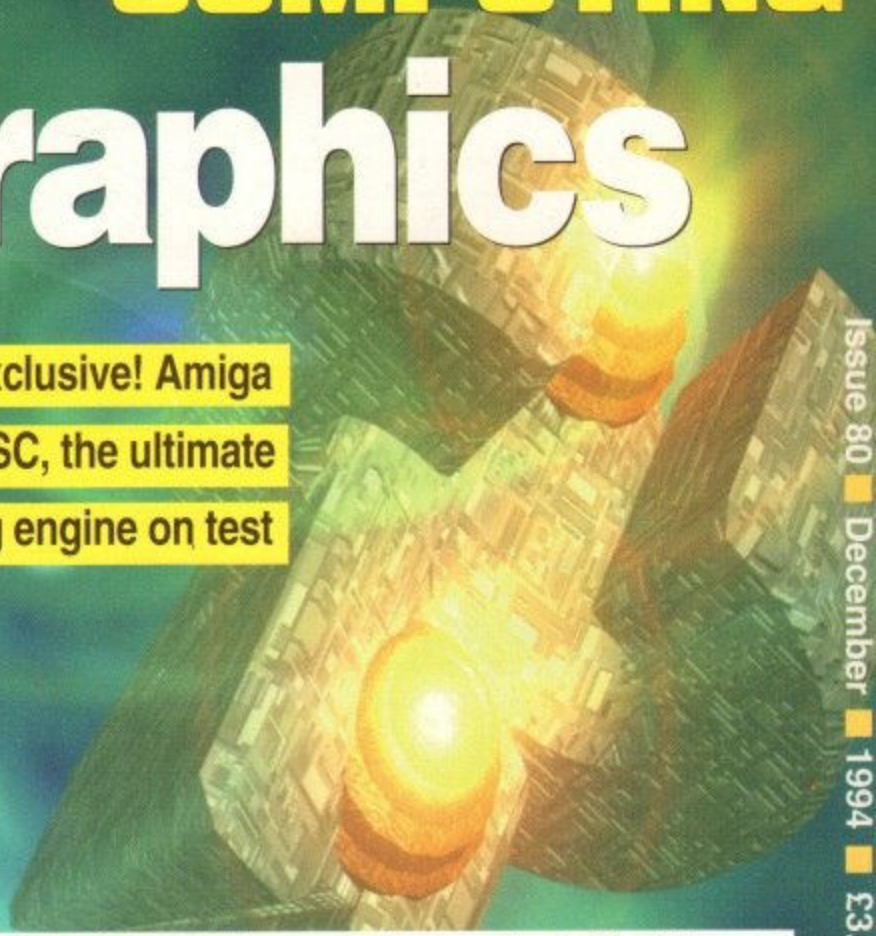
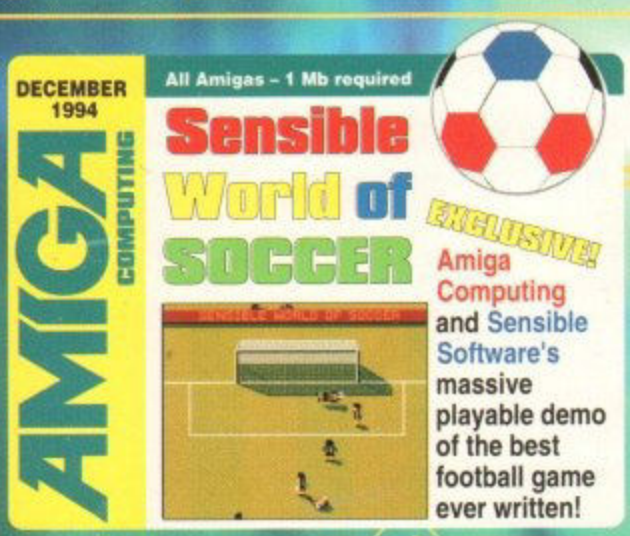
AMIGA COMPUTING

Jurassic graphics



Raptor exclusive! Amiga meets RISC, the ultimate rendering engine on test





FEATURES CD-ROM round-up plus how to install a drive

REVIEWS Image Master RT ● Pixel 3D Pro ● 2 WaveMaker

Issue 80 ■ December ■ 1994 ■ £3.99 Overseas price £4.25 HFI 18.95

EUROPRESS PUBLICATIONS

12 9 770959 963077

BUY TODAY - PAY IN 6 MONTHS

This must be the ultimate offer!! Order any Indi advertised products with a total value of over £100, use them for 6 months and then pay today's normal Indi Price, **No Interest, No deposit, No Strings Attached.** All you have to do is fill in our application form and subject to status the products will be on there way to you. At the end of the 6 month period you will be asked whether you wish to have extended credit from 6 to 60 Months* or pay for your goods in full and without any charges - the choice is yours. Initially you will be asked to choose an extended credit period, however this can be changed to a different payment period or 6 months interest free payment in full.

29.8%

INDI TELESALES
TEL 0543 419999 FAX 0543 418079
9am - 6pm Monday to Friday
9.30am - 3.30pm Saturdays

Indi direct Mail is original and very exciting. Before you buy mail order you must first be confident that you will receive the product you've ordered and that the supplier will still be there in the future, should you need them.
A mail order purchase from INDI is a safe and secure decision and here's why. Indi is a wholly owned subsidiary of a public company now in its eleventh year of trading and specialising in the supply of computer products. With a group turnover approaching £30 million per annum, INDI have the resources and the purchasing power to offer you the best deals, deliver them next day nation wide and always be around when you need us.

Express Cheque Clearance

Simply write your cheque guarantee card number, name and address on the back of your cheque and we will normally be able to despatch your order the day that we receive your cheque. Cheques, received without a cheque guarantee card number, will normally clear within a maximum 7 working days.

NEW Customer Care Department

The substantial volume of sales calls comming into our office has resulted in delays in the crucial area of customercare.
To ensure that all customer queries are handled speedily and efficiently a new customer care department has been established. Our new department will be happy to assist you on their new number.

0543 419921 9am - 6pm Monday to Friday

BUY TODAY PAY IN 6 MONTHS

* No Deposit * No Interest Charges
* No Strings Attached * Subject to Status

NEW ZAPPO AMIGA 1200 CD ROM DRIVE

Quote
"The level of software compatibility that has been achieved is very impressive....Whatever your CD - ROM needs, the Zappo Drive can handle it."
Amiga Format

Quote
"It is rare to come across a product that's reasonably priced, does the job well and has no major faults... More stunning than a phaser gun in Star Trek. A must for A1200 owners"
CU Amiga

Quote
"A main contender for best A1200 peripheral of the year" **Amiga Pro**

Quote
"This is the product that all A1200 users have been waiting for."
Amiga Shopper



A must for A1200 Owners

£194.99

PRODUCT SPECIFICATION

The Zappo Smart Drive simply slots into the Amiga 1200 PCMCIA slot and launches Amiga owners into the exciting world of CD
* Double Speed, Multi Session CD ROM
* Photo CD Compatible * Mix CD and Amiga Audio Output * Plays CD32 Software and many CDTV titles
* Works on A600 (Only capable of CDTV Emulation) * Automatically recognises Multi - session CD's * New CD digital audio player (now plays in stereo) * Photo CD carrousel automatically recognises Multi session CD's and displays thumbnail pictures * New utility (CD Door) auto tray opening and closing from workbench
* New boot Menu with options to set keyboard and joypad emulation keys. Recording and language options.
* 12 Months Warranty

MASSIVE DISCOUNTS ON ALL CD32 AND CDTV SOFTWARE WHEN YOU BUY A ZAPPO CD ROM DRIVE

ZAPPO Smart Stor plus

Plugs into the PCMCIA Slot of the Amiga 600 &1200 the Smart Stor Plus has it's own 12V supply and is ready to go. Excellent build quality at an amazing price. **12 Months Warranty**

Drives have come down so Indi pass the advantage in to YOU



214Mb ----~~£249.99~~ £199.99

270Mb ----------£269.99 **528Mb ----------£314.99**

Zappo External Floppy Drive

You've seen all the reviews on this popular and affordable second Amiga drive. "Compatible with all AmigasQuality 9 out of 10. "Exceptional value for money. **Amiga Computing**

£48.99



ZAPPO Smart Stor

The New Zappo Smart Stor provides games and data portability never before available to the Amiga 600 and 1200 owner. Simply slip into the PCMCIA Slot on your Amiga and you have access to 20Mb of Smart Storage. Want to run your Stored Games or Data on a friends Amiga, no problem, simply unplug the Smart Stor and you have Total Portability.

* Fully configured * Superfast Access
* 12 Months Warranty



***30 Mb**

£169.99

"....for its impressive price tag and the sheer convenience of being able to plug in and go, the Smart Stor deserves to do very well indeed".
"....Smart Stor is a genuine godsend". **Amiga Format July 1994**

***170 Mb**

£259.99

MICROVITEC MONITORS

This superb monitor offers a high quality 0.28 dot pitch and low radiation total MPR-II compliance. Complete with external Stereo Speakers and includes all leads - this is the monitor that we have all been waiting for.

External Speakers Included



Add a pair of our Quality Stereo Speakers to your existing Monitor. Indi Price £16.99

£295.99

SHARP MONITOR / TV



The superb Sharp 14" Monitor / TV provides a real alternative to a Commodore Monitor with full function remote control 39 channel electronic auto search tuning, digital on screen display and 1.5 watt Mpo audio output. All you need to know is the low low price. The Sharp Monitor / TV is the product for you complete with scart socket and connectivity cable and including 12 months Warranty. £169.99

£169.99

SX-1

CD 32 EXPANSION MODULE

Order today and fill in our credit application form. Choose a payment period from 6 - 60 Months and you will soon be using your SX-1 for 6 months for nothing.
The Amazing SX - 1 Module simply slots into the back of your Amiga CD32and a whole world of expansion opens up for you. Add a keyboard, floppy drive or even fit a superfast hard drive. Instantly your CD32 is no mere console, it's a real computer.

FREE FRED FISH

SX-1 Expansion Module £194.99

Expansion Options

Black Keyboard £39.99

Zappo Floppy Drive £48.99

SX-1 Super Bundle

SX-1 Ex pansion Module
Black Keyboard
Zappo Floppy Drive

£254.99 SAVE £27.99

FREE
Zappo T - Shirt or Zapsac with every Zappo Product
Comfirm when ordering



TEL: 0543 419 999 FAX: 418 079

Panasonic

NEW

ANNOUNCING THE NEW PANASONIC KX-P2135

A 24 PIN QUIET COLOUR PRINTER, DESIGNED FOR THOSE WHO NEED LOW COST PROFESSIONAL QUALITY OUTPUT, GIVING ALL YOUR DOCUMENTS AND PRESENTATIONS EYE CATCHING COLOUR. THE NEW KX-P2135 INCORPORATES A 20 PAGE BUILT IN SHEETFEEDER, A FLAT BELT PUSH TRACTOR FEED TO FACILITATE EASY LOADING TOGETHER WITH A NOISE LEVEL OF ONLY 46.5DBA (43.5DBA IN SUPER QUIET MODE)

NEW

Option 1

Panasonic KX - P2135

* KX-P2135 24 pin colour printer WITH A BUILT IN 20 PAGE SHEETFEEDER

FREE
* Mouse House
* Mouse Mat
* Wordworth Word Processing Software

£184.99



SPECIFICATION:
* 24 - pin Quiet colour Dot Matrix
* Quiet Printing 46.5 dBa - 43.5 dBa Super Quiet Mode
* Multiple font capabilities including 3 draft and 7 letter quality
* Push tractor feed
* Top and rear paper paths
* 7 Colour printing
* 250 cps Draft Micron, 83 cps LQ
* 1 Year Warranty

Option 2

Panasonic KX - P2135

* KX-P2135 24 pin colour printer WITH A BUILT IN 20 PAGE SHEETFEEDER

FREE
* 2pc printer stand
* 500 A4 sheets of paper
* Cable

£184.99

Panasonic KX - P4400 & KX - P4401

New KXP4400 Ultra - Compact LED Page Printer ,the printer that fits virtually anywhere. Ultra small footprint (12.7cm x 38.8cm x 29.4cm ex trays) At under 6.5 kg this printre travels with you. They also feature energy efficient power save.

Page Printer standard Specification
* 4 pages per minute of laser quality output
* 100 sheet, multi purpose paper tray (A4, letter, legal and executive)
* 1 Mb Ram expandable to 5 Mb
* 1600 copies per toner.
* 1 Year On Site Warranty

WAS ~~£587~~

£449.99

Additional spec for KX - P4400
* 28 Bitmapped fonts * HP Laserjet IIP



Panasonic KX - P4401

KX - P4401 LED Page printer also available. Specification as above plus * 8 Scalable, 28 bitmapped fonts * HP Laserjet III, HP PCL 5 **£495.99**

Panasonic KX - P2023



* Quiet printing	46.5 dBa standard mode. 43.5 dBa super quiet mode
* Fast Printing Speeds	192 CPS draft, 64 CPS LQ
* 4 Resident Fonts	Courier, Prestige, Bold PS and Script
* 2 Paper Paths	Top and Rear
* 1 year Warranty	for total peace of mind

WAS ~~£217.00~~

£144.99

Recently reviewed by Amiga Format *A fine 24-pin dot matrix printer at a reasonable price.

Buy from **INDI AND SAVE OVER £72**

Printer Accessories

1) Printer Dust Cover
-Specially tailored quality dust cover for the Panasonic KX-2123 printer
INDI PRICE £8.99
2) Printer Stand
-2 Piece printer stand
INDI PRICE £9.99
3) Paper Pack
-500 sheets of quality A4 paper
INDI PRICE £9.99
4) Continuous Paper
-2000 sheets 1 part listing paper
INDI PRICE £19.99
5) Parallel Printer Cable
-To be used when connecting Amiga to Panasonic printers
INDI PRICE £8.99
6) Panasonic Colour Ribbon
-Colour ribbon for KX-P2123
INDI PRICE £12.99
7) Panasonic Black Ribbon
-Black ribbon for KX-P2123
INDI PRICE £6.99

Panasonic KX - P1150



This quality 9-pin mono dot matrix printer represents excellent value for money.

* 9 - pin narrow carriage
* 7 Fonts
* 240CPS, 38 CPS NLQ
* 1 Year Warranty
* Paper parking

WAS ~~£163~~

£114.99 SAVE £48

Panasonic KX-P4430 Laser Printing



* 8 scalable fonts. 28 bitmap fonts
* Optional 2nd input bin (total printer capacity 2X 200 sheets)
* Optional memory expansion to 5Mb (1Mb as standard)

£649.99

Panasonic 2 YEAR ON-SITE WARRANTY

SPECIFICATION
* Satinprint (optimum resolution technology)
* 5 pages per minute
* HP laserjet III emulation, PCL 5

WORDWORTH SOFTWARE COMPLETELY FREE WITH KX - P 4430

Indi Direct Mail Customer Charter

INDI DIRECT MAIL is original and very exciting. Before you buy mail order you must first be confident that you will receive the product you've ordered and that the supplier will still be there in the future, should you need them.
A mail order purchase from **INDI** is a safe and secure decision and here's why. Indi is a wholly owned subsidiary of a public company now in its eleventh year of trading and specialising in the supply of computer products.
With a group turnover approaching £30 million per annum, **INDI** have the resources and the purchasing power to offer you the best deals, deliver them next day nationwide and always be around when you need us.

YOURS FOR 6 MONTHS THEN PAY TODAYS RETAIL PRICE.
NO INTEREST CHARGES, NO DEPOSIT,
NO STRINGS ATTACHED
SUBJECT TO STATUS

INDI DIRECT MAIL recognises all Trade Marks and Copyrights All prices are correct at time of going to press. E & OE.

EXPORT NUMBERS
TEL: (44)543 419999
FAX: (44)543 418079

INDI DIRECT MAIL
1 RINGWAY INDUSTRIAL ESTATE,
EASTERN AVENUE,
LICHFIELD STAFFS. WS13 7SF

PLEASE ENCLOSE £5 FOR SECURICOR DELIVERY

Please send 1).....
2).....
3).....
Price..... + Delivery
I enclose cheque/ PO for £..... or charge my Access / Visa
No..... Expiry...../...../..... Signature.....
Name.....
Address.....
.....
.....
Postcode..... Daytime Tel.....

AC1294

TEL: 0543 419 999 FAX: 418 079

Contents

SYSTEM

The essential guide to Amiga gaming

System On-line 100
A System show special featuring all the latest Amiga games news from this Autumn's European Computer Trade Show

Beat the System 104
A guide to the first section in Core Design's Universe plus a set of hints and tips on how to get ahead in Bullfrog's Theme Park

Preview: Dawn Patrol 118
We take a first look at Empire's forthcoming WW1 flight simulator lovingly created by Rowan Software

Preview: Premier Manager 3 124
A quick sneaky peek at Gremlin's third football management simulation. Jonathan Maddock commentates...

Feature: Sensible Software 126
Heralded as one of the greatest software developers. Tina Hackett finds out what makes the Sensi boys tick

Preview: PinBall Illusions 130
21st Century Entertainment and Digital Illusions join forces once more as they bring you the third game in the pinball series

GAME REVIEWS

Guardian 108
Dreamweb 112
Charlie J Cool 116
On the Ball: League Edition 122
Soccer Kid CD32 133
Robinson's Requiem 135
Simon Sorceror 136



REVIEWS

MacroMagic 27
Premier Vision offer you power macros to heighten your creativity with Lightwave

TurboCalc v.2 35
Charge-up your accounts with spread-sheet power new in from Germany

Wavemaker 38
Bring sweetness and light to your videography with this excellent add-on

BertieBunny 41
Boing, Boing, here's Bertie ! – an inspired teaching aid or just a pain in the butt?

ImageMasterRT 44
Ben Vost gives his verdict on the latest version of a leading image processor

ProText 6.5 57
The faithful workhorse of text-crunching is back – we see how it fares

Pixel 3D Pro 2 67
AC gets to grips with a multi-purpose tool for use with 3D models and logos

World Construction Set 94
Denny Atkins enters a world of his own reviewing Quester's 3D scenery generator



FEATURES

Blitz Basic 63
Now that you've done the ground work, start programming with the next instalment

PageStream 3 70
AC checks out the complete package to see if it's the DTP package the Amiga deserves

Installing CD-ROM 74
Before you get the latest CD Hardware, make sure you know how to get it working with our installer intro. Plus some tips on on the options available and some compatibility problems you may encounter along the way

DeuPac Support 77
Paul Overaa tells you how to deal with DOS handling

CD-ROM Round-Up 80
Find out just how cheap your options can be when it comes to serious CD

Amiga Installer 91
Steve White's tutorial continues with a step-by-step guide to creating installation scripts



Next issue on sale 17 November

COVER STORY



Jurassic graphics

DesktopStation's powerhouse has arrived and it's big, slick and very, very quick. *Amiga Computing* grabs the Raptor by the tail and lets it rip!

See page 30

THE COVERDISKS

Page 22



TechnoSound Turbo



You can create and edit music and samples just like the professionals with our exclusive complete TechnoSound Turbo package from New Dimensions. Now you have access to a full music studio in the comfort of your own home.

Sensible World of Soccer



Get a kick out of our exclusive Sensible World of Soccer demo featuring the new and improved Amiga Computing *team. This demo is big – don't miss it!*

REGULARS

News 9
Rumours, and the waiting continues. Adam Phillips reports

USA news 14
Denny Atkins brings us the latest scoops from across the pond

Comment 16
A major distributor gives us a view of things from across the counter

Getting started 21
Essential CoverDisk info for the Amiga beginner

Disk offers 26
Upgrade our give-aways and save your pennies too!

ESP 51
Ezra once again responds to your comments with his usual insight

ACAS 58
Bewildered victims of technology seek Steve White's oadvice

Public sector 86
Dave Cusick takes you through our regular tour of the PD

147 **ARexx** This month, how to access Amiga system info using ARexx

149 **Video** Advice on avoiding embarrassing oversights in video production

151 **Music** Paul Overaa gives out some pointers on using a Midi sequencer

153 **Comms** Put Postman Pat out of a job and send your mail via the Internet

155 **Amos** Take an in-depth look into 3D Meters with Phil South

157 **Publishing** Ben Pointer offers advice on creating covers with a professional touch

AMIGA GUIDE

Home Video 140

Amiga Guide Pt 2 144

Classifieds 160

Subscriptions



Turn to page 54...

...for details of *Amiga Computing's* subscription offers this month.



THEME PARK
23.99



A -TRAIN
12.99



ARCADE POOL
CD32 11.99 AM 7.99



BEAU JOLLY COLL.
25.99



PREMIER MANAGER 2
8.99



SPORTS MASTERS
13.99



FIFA SOCCER
20.99



CHAMP MGR COLL.
13.99



HEIMDALL 2
CD32 21.99 AM 21.4

IMPORTANT - PLEASE NOTE
NOP = will not work on A500 Plus, A600 or A1200
NO12 = will not work on A1200
1 MEG = requires 1 MB of RAM
• = NEW Item

A1200 GAMES

ALADDIN • 20.49
ALIEN BREED - TOWER ASSAULT 14.99
BANSHEE **18.49**
BODY BLOWS 11.99
BRUTAL FOOTBALL DELUXE 15.49
CAPTIVE 2 - LIBERATION 20.99
CIVILISATION AGA **16.99**
DETROIT • 23.99
DREAMWEB • 23.99
FIELDS OF GLORY • 23.99
GUNSHIP 2000 ..... **23.99**
HEIMDALL 2 - BANE OF ASGARD 21.99
ISHAR 2 - LEGIONS OF CHAOS 18.99
JAMES POND 3 - OPERATION STARFISH 22.99
JAMES POND COLLECTION (JAMES POND 2 & 3) • 13.99
JUNGLE STRIKE • 19.49
KICK OFF 3 ..... 19.49
LION KING • 20.49

ON THE BALL - (HARD DRIVE ONLY)
LEAGUE EDITION 20.49
WORLD CUP EDITION 20.49

PGA EUROPEAN TOUR • **19.49**
PREMIER MANAGER 3 • 16.99
RYDER CUP 11.49
SABRE TEAM 18.99
SIM CITY 2000 • 23.99
SIMON THE SORCERER 23.99
SIMON THE SORCERER 2 • **23.99**
STAR TREK - 25TH ANNIVERSARY (HARD DRIVE ONLY) 23.99
SUPER STARDUST 16.99
THEME PARK **23.99**
UFO - ENEMY UNKNOWN **23.99**

AMIGA GAMES

FOR OUR FULL SELECTION OF AMIGA GAMES PLEASE ASK FOR A FREE 16-PAGE COLOUR CATALOGUE

A-TRAIN + CONSTRUCTION SET (1 MEG) ... **12.99**
A10 TANK KILLER (1 MEG) • 11.99
ALIEN 3 ..... 16.99
AMNIOS 4.99
APIDYA 9.99
APOCALYPSE (1 MEG) 18.99
ARCADE POOL (1 MEG) 7.99
ARMOUR GEDDON 2 (1 MEG) 18.49

AWARD WINNERS GOLD (SENSIBLE SOCCER, ELITE, JIMMY WHITES SNOOKER, ZOOL) (1 MEG) **20.99**

BATTLE ISLE 93 ..... 17.49

BEAU JOLLY COMPILATION (CANNON FODDER, SETTLERS, CHAOS ENGINE, T2) (1 MEG) • **25.99**

BENEATH A STEEL SKY (1 MEG) 22.99
BLACK CRYPT (1 MEG) 10.49
BODY BLOWS (1 MEG) 6.99
BRUTAL FOOTBALL 13.99
BUMP 'N' BURN • 15.99

CAMPAIGN (1 MEG) 10.99
CAMPAIGN 2 (1 MEG) 22.99

CANNON FODDER (1 MEG) 20.49
CANNON FODDER 2 (1 MEG) • **20.49**

CHAMPIONSHIP MANAGER 93/94 (1 MEG) 9.99
CHAMPIONSHIP MANAGER 93/94 (END OF SEASON DATA DISK) (1 MEG) 13.49
CHAMPIONSHIP MANAGER COLLECTION (93/94 + UPDATE DISK) (1 MEG) 13.99
CHAMPIONSHIP MANAGER ITALIA (1 MEG) 17.49
CHAOS ENGINE 11.99
CIVILISATION (1 MEG) **15.99**

CLUB FOOTBALL - THE MANAGER (1 MEG) **20.99**

COMBAT AIR PATROL 14.99

COMBAT CLASSICS 2 (SILENT SERVICE 2, F19 STEALTH FIGHTER, PACIFIC ISLAND) (1 MEG) 20.99

CORRUPTION (M/SCROLLS) 4.49
CRASH DUMMIES (1 MEG) 12.99
CRUISE FOR A CORPSE 11.49
CURSE OF ENCHANTIA (1 MEG) 11.99
D-DAY (IMPRESSIONS) (1 MEG) 21.99
DAWN PATROL (1 MEG) • 22.99
DETROIT (1 MEG) 21.49
DOGFIGHT (1 MEG) **12.99**
DUNE (1 MEG) 11.49
DUNE 2 - BATTLE FOR ARRAKIS (1 MEG) 17.99
DUNGEON MASTER 2 (1 MEG) 22.99
ELITE 7.99
ELITE 2 (FRONTIER) (1 MEG) **14.99**
EMPIRE SOCCER (1 MEG) 18.49
EYE OF THE BEHOLDER (SSI) (1 MEG) 12.49
EYE OF THE BEHOLDER 2 (1 MEG) 12.49
F1 (DOMARK) (1 MEG) 17.99
F117A STEALTH FIGHTER 2.0 (1 MEG) 12.99
F19 STEALTH FIGHTER (NOP) 2.99
FIELDS OF GLORY (1 MEG) 23.49

FIFA INTERNATIONAL SOCCER (1 MEG) **20.99**

FORMULA 1 GRAND PRIX 15.99
GOAL 8.99

GRAHAM GOOCH WORLD CLASS CRICKET - TEST MATCH SPECIAL (1 MEG) 18.99
GRAHAM GOOCH DATA DISK 12.99

GUNSHIP 2000 (1 MEG) 14.99
HEART OF CHINA (1 MEG) • 12.99

HEIMDALL 2 - BANE OF ASGARD (1 MEG) ... 21.49

HEROQUEST 2 - THE LEGACY OF SORASIL (1 MEG) 16.99
HIRED GUNS (1 MEG) 11.99
HISTORYLINE 1914-18 (1 MEG) 21.99
HOOK 6.99
HUNTER (NO12) 6.99
INDIANA JONES FATE OF ATLANTIS ADVENTURE (1 MEG) 24.49
ISHAR 2 - LEGIONS OF CHAOS (1 MEG) 11.49
ISHAR 3 (1 MEG) 20.99
JAGUAR XJ220 (1 MEG) 9.49
JET STRIKE 16.99
JOHN MADDEN'S (U.S) FOOTBALL 10.49
JUNGLE STRIKE (1 MEG) • **18.49**
JURASSIC PARK (1 MEG) 11.99
K240 (UTOPIA 2) (1 MEG) 18.49
KGB 11.49
KICK OFF 3 ..... 16.49
KINGMAKER (1 MEG) 23.49
KINGS QUEST 5 (1 MEG) • 14.49
KINGS QUEST 6 (1 MEG) 22.99
KNIGHTS OF THE SKY (1 MEG) 12.49
LASER SQUAD 8.99
LEGENDS OF VALOUR (1 MEG) (NO12) 11.99
LEISURE SUIT LARRY 1 (1 MEG) 11.49
LEISURE SUIT LARRY 2 (1 MEG) 11.49
LEISURE SUIT LARRY 3 (1 MEG) 12.49
LEMMINGS 2 ..... 9.99
LOMBARD RAC RALLY 6.99
LORDS OF CHAOS 8.99
LURE OF THE TEMPTRESS (1 MEG) 11.49

MAN UTD PREMIER LEAGUE CHAMPIONS (1 MEG) **18.99**
MAN UTD PREMIER LEAGUE CHAMPIONS DATA DISK (1 MEG) • **8.99**

MASTER AXE (1 MEG) • 16.99
MICRO MACHINES 16.99
MONOPOLY 18.49
MORTAL KOMBAT (1 MEG) 20.49
MR BLOBBY • 13.99
NEW WORLD OF LEMMINGS (1 MEG) • 19.99
NICK FALDO'S GOLF 14.99
ON THE BALL - LEAGUE EDITION (1 MEG) 18.99
WORLD CUP EDITION (1 MEG) 18.99
ONE STEP BEYOND (1 MEG) 9.99
OVERDRIVE (1 MEG) 6.99
PATRICIAN (1 MEG) 20.99
PGA EUROPEAN TOUR (1 MEG) • **18.49**

PINBALL DOUBLE PACK (1 MEG) (PINBALL DREAMS & FANTASIES) 21.99

PINBALL DREAMS (1 MEG) 13.99
POLICE QUEST 3 (1 MEG) 12.99
POWERDRIVE (1 MEG) • 20.49
POWERMONGER + WW1 DATA DISK (NO12) 11.49
PREMIER MANAGER 2 (1 MEG) **8.99**
PUGGSY (1 MEG) 17.99
RAILROAD TYCOON (1 MEG) (NOP) 8.99
REACH FOR THE SKIES 11.99
REALMS (1 MEG) 10.49
RED BARON (1 MEG) • 11.99
ROAD RASH 10.49
RORKE'S DRIFT 8.99
RUGBY LEAGUE COACH (1 MEG) 18.99
RULES OF ENGAGEMENT 2 ..... 21.49
SABRE TEAM 15.99
SECOND SAMURAI (1 MEG) (NO12) 9.49
SECRET OF MONKEY ISLAND (1 MEG) 12.99
SECRET OF MONKEY ISLAND 2 (1 MEG) 12.99

SENSIBLE GOLF (1 MEG) • **20.49**

SENSIBLE SOCCER '92/93 SEASON) 7.99
SENSIBLE SOCCER - INTERNATIONAL EDITION (1 MEG) 14.99

SENSIBLE WORLD OF SOCCER (1 MEG) • ... **19.99**
SETTLERS 16.99
SHADOWORLDS (NO12) 3.99
SIERRA SOCCER (WORLD CUP EDITION) (1 MEG) 17.49
SILENT SERVICE 2 (1 MEG) 8.99

SIM CLASSICS 3 IN 1 (1 MEG) • **(SIM CITY CLASSIC, SIM LIFE, SIM ANT)** **23.99**

SIMON THE SORCERER (1 MEG) 21.99
SIMON THE SORCERER 2 (1 MEG) • 21.99
SKID MARKS (1 MEG) **13.99**
SKID MARKS DATA DISK (1 MEG) • **13.99**
SLEEPWALKER 8.99
SOCCER KID 11.49
SPACE ACADEMY (1 MEG) • 20.49

SPACE LEGENDS (WING COMMANDER, MEGATRAVELLER, ELITE) (1 MEG) **11.99**

SPACE QUEST 4 (1 MEG) • 12.99
SPECIAL FORCES (1 MEG) 10.99
SPEEDBALL 1 & 2 • 9.99

SPORTS MASTERS (PGA GOLF, INDY 500, ADVANTAGE TENNIS, EURO CHAMPIONSHIP'S 1992) (1 MEG) ... **13.99**

STARLORD (1 MEG) 22.99
STREETFIGHTER 2 ..... 11.49

SUPER SKIDS (SKIDMARKS + EXTRA CARS & TRACKS) (1 MEG) • **20.49**

SUPREMACY (1 MEG) 10.49
SWIV (NOP) 4.99
SYNDICATE (1 MEG) 22.99
T2 (COIN OP) (1 MEG) 7.99
TACTICAL MANAGER - ENGLISH LEAGUE (1 MEG) 18.49
THE BLUE & THE GREY (1 MEG) 21.49

THE GREATEST (JIMMY WHITES, LURE OF THE TEMPTRESS, DUNE) (1 MEG) **16.99**

THE LOST TREASURES OF INFOCOM 1 (20 CLASSIC INFOCOM TEXT ADVENTURES) ... 16.99

THEME PARK (1 MEG) • **23.99**
TOP GEAR 2 (1 MEG) • 16.99
ULTIMA 5 (NO12) 5.99
UNIVERSE (1 MEG) 22.49
VALHALLA (1 MEG) 18.99
WALKER 9.99
WHEN TWO WORLDS WAR (1 MEG) 21.49
WING COMMANDER 1 (1 MEG) 7.99
WONDERDOG 10.99
WORLD CUP USA 94 (1 MEG) 19.49

WORLD CUP YEAR 94 (GOAL, CHAMPIONSHIP MANAGER 94 + DATA DISK, STRIKER, SENSIBLE SOCCER) (1 MEG) **20.99**

ZONKED (1 MEG) • 19.99
ZOOL (1 MEG) 6.99
ZOOL 2 (1 MEG) 9.99

AMIGA EDUCATIONAL

10 OUT OF 10 - EARLY ESSENTIALS. AGES 3-7, CREATES AN IDEAL FOUNDATION FOR CHILDREN TO BUILD ON. (1 MB, INSTALLABLE) 18.99

10 OUT OF 10 - ENGLISH. AGES 6-16, COVERS MAJOR AREAS OF THE NATIONAL CURRICULUM (1 MB, INSTALLABLE) 18.99

10 OUT OF 10 - JUNIOR ESSENTIALS. AGES 5-11, BUILDING FOUNDATIONS FOR MANY AREAS OF THE NATIONAL CURRICULUM. (1 MB, INSTALLABLE) ... 18.99

10 OUT OF 10 - MATHS NUMBERS AGES 6-16, NATIONAL CURRICULUM (1 MB, INSTALLABLE) 18.99

ADI GCSE ENGLISH PACK (14-16 YEARS) 1 MB, DOUBLE AGE GROUP PACK. THE PERFECT GCSE REVISION TOOL 22.99

ADI GCSE FRENCH PACK (14-16 YEARS) 1 MB, DOUBLE AGE GROUP PACK THE PERFECT GCSE REVISION TOOL 22.99

FUN SCHOOL 3 (2-5 YRS) 14.99
FUN SCHOOL 3 (5-7 YRS) 14.99
FUN SCHOOL 4 (2-5 YRS) 16.99
FUN SCHOOL 4 (5-7 YRS) 16.99
FUN SCHOOL 4 (7+ YRS) 16.99

FUN SCHOOL SPECIALS
MERLIN'S MATHS (7-11 YRS) 17.99
SPELLING FAIR (7-13 YRS) 17.99

MICRO ENGLISH. 8 YRS TO GCSE. CONFORMS TO NATIONAL CURRICULUM. (1 MB) 18.99

MICRO FRENCH. BEGINNER TO GCSE. CONFORMS TO N/CURRICULUM (1 MB) 18.99

MICRO GERMAN. BEGINNER TO GCSE AND BUSINESS LEVEL. CONFORMS TO NATIONAL CURRICULUM (1 MB) 18.99

MICRO MATHS. 11 YRS TO GCSE. CONFORMS TO N/CURRICULUM. (1 MB) ...18.99

MICRO SCIENCE. 8 YRS TO GCSE. CONFORMS TO N/CURRICULUM. (1 MB) ...18.99

MICRO SPANISH. BEGINNER TO GCSE. CONFORMS TO N/CURRICULUM. (1 MB) ...18.99

MEGA MATHS (A LEVEL COURSE) (1 MB) ...18.99

NODDY'S BIG ADVENTURE. SEQUEL TO THE POPULAR NODDY'S PLAYTIME SERIES. (1 MB, INSTALLABLE) **18.99**

NODDY'S PLAYTIME. SUPERB NODDY THEMED EDUCATIONAL ADVENTURE. SUITS AGES 3+. (1 MB, INSTALLABLE) 18.99

A1200 WORDWORTH DEALS

WORDWORTH V2 AGA WORD PUBLISHER. NEW LOW PRICE. (1 MB, EXTERNAL DISK OR HARD DRIVE REQUIRED) **39.99**

WORDWORTH V3a AGA WORD PUBLISHER. THE LATEST AND GREATEST VERSION OF TOP QUALITY WORD PUBLISHER PACKAGE. (2 MB, EXTERNAL DISK OR HARD DRIVE REQUIRED) **55.99**

A1200 VERSION APPLICATIONS

DELUXE PAINT 4 AGA. ENHANCED VERSION FOR A1200 AND A4000. PAINT AND ANIMATE IN UP TO 256,000 COLOURS FROM 16.7 MILLION. (2 MB, EXTERNAL DISK OR HARD DRIVE REQUIRED) **59.99**

VISTA PRO (LITE). CREATE SPECTACULAR VIRTUAL WORLDS WITH THIS POWERFUL SCENERY CREATOR AND ANIMATOR. SPECIAL LITE VERSION TO RUN ON A1200 OR A4000. (2 MB, DRIVE REQUIRED) ... **44.99**

BRILLIANCE V2 AGA. LATEST VERSION OF THIS PREMIER PROFESSIONAL ART PACKAGE • **49.99**

AMIGA APPLICATIONS

AMOS - CRAFT. EXTENSION TO AMOS GIVING OVER 160 NEW COMMANDS AND INSTRUCTIONS REQUIRES AMOS OR AMOS PROFESSIONAL (1MB, INSTALLABLE) **14.99**

AMOS - PROFESSIONAL. MORE POWERFUL AND PROFESSIONAL VERSION OF BEST SELLING GAMES CREATOR. MORE COMMANDS, MORE FLEXIBILITY AND BETTER USER INTERFACE (1 MB, INSTALLABLE) **31.99**

AMOS - PROFESSIONAL COMPILER COMPILES AND SPEEDS UP PROGRAMS WRITTEN IN AMOS. EASY AMOS OR AMOS PROFFESSIONAL (1 MB, INSTALLABLE) **24.99**

DELUXE PAINT 3. A VERY POWERFUL ART AND ANIMATION PACKAGE WITH EXTENSIVE FEATURES. A BEST SELLER AND A TOP AWARD WINNER. MANY FONT AND PRINTING OPTIONS AND SAMPLE ANIMATION AND ART INCLUDED (1 MB, INSTALLABLE) **14.99**

DIRECTORY OPUS 4. COMPLETE DIRECTORY AND FILE ORGANISING SYSTEM, INVALUABLE FOR HARD DRIVE USERS. (1 MB, INSTALLABLE) • **51.99**

FINAL WRITER (RELEASE 2) EXCELLENT WORD PUBLISHING SYSTEM WITH OVER 100 TYPEFACES. EASY TO USE (2 MB, DRIVE REQUIRED) • **69.99**

HANNA BARBARA ANIMATION WORKSHOP FOR CARTOONS ETC **29.99**

HOME ACCOUNTS. THE ORIGINAL VERSION OF THIS MONEY MANAGER (INSTALLABLE) **9.99**

KINDWORDS 3. FULLY FEATURED WORD PUBLISHER (1 MB, INSTALLABLE) **21.99**

MINI OFFICE. INTEGRATED WORD PROCESSOR, SPREADSHEET, DATABASE AND DISK UTILITIES. (1 MB, INSTALLABLE) ... **35.99**

MONEY MATTERS (HOME ACCOUNTS 3). LATEST VERSION OF THE EXCELLENT MONEY PACKAGE FROM DIGITA (1 MB, INSTALLABLE) **35.99**

PC TASK. GOOD VALUE SIMPLE PC EMULATOR ALLOWING IBM PC APPLICATIONS TO BE USED ON YOUR AMIGA. PLEASE NOTE THAT THIS IS NOT SUITABLE FOR WINDOWS OR HIGH END APPLICATIONS. REQUIRES MS DOS 3.3 OR ABOVE. (1 MB, INSTALLABLE) **35.99**

PEN PAL. EASY TO USE WORD PROCESSOR. (1 MB, INSTALLABLE) ... **29.99**

PUBLISHER (PAGE LAYOUT PACKAGE). (NO12, 1 MB, EXTERNAL DISK OR HARD DRIVE REQUIRED) **21.99**

AMIGA CD32 CD's

ALIEN BREED - TOWER ASSAULT • 19.99
ALIEN BREED S/E & QWAK 17.99
ARCADE POOL 11.99
BANSHEE 18.99
BENEATH A STEEL SKY 21.99
BRUTAL FOOTBALL 19.49
BUBBA 'N' STIX 12.99
CANNON FODDER 21.99
CAPTIVE 2 - LIBERATION 22.99
CHAOS ENGINE 17.99
D/GENERATION 17.99
DISPOSABLE HERO 13.99
DREAMWEB • 23.99
ELITE 2 ..... 14.99
FIELDS OF GLORY • 23.99
GUARDIAN • 18.49
GUNSHIP 2000 ..... 19.99
HEIMDALL 2 ..... 21.99
IMPOSSIBLE MISSION 19.99
JAMES POND 3 - OPERATION STARFISH 22.99
JUNGLE STRIKE • 19.49
K240 (UTOPIA 2) (NAGA) 18.99
KICK OFF 3 ..... 21.99
LEMMINGS 9.99
UTIL DIVIL 18.99
LOTUS TRILOGY (LOTUS 1, 2, 3) 18.99
MAN UTD PREMIER LEAGUE CHAMPS 19.99
MASTER AXE • 16.99
MEGARACE • 23.99
MICROCOSM 32.99
MORPH 11.99
MR BLOBBY • 13.99
NICK FALDO'S GOLF 23.99
PINBALL FANTASIES 19.99
PIRATES GOLD 15.99
PLANET FOOTBALL 22.99
POWERDRIVE • 19.99
PROJECT X S/E & F17 CHALLENGE 17.99
SABRE TEAM 19.99
SECOND SAMURAI 18.99
SENSIBLE SOCCER - INT'L EDITION 17.99
SIMON THE SORCERER 22.99
SLEEPWALKER 12.99
SUPER FROG 11.99
TFX 27.99
TOP GEAR 2 • 18.99
TRIVIAL PURSUIT 19.99
UFO - ENEMY UNKNOWN 19.99
ULTIMATE BODY BLOWS (BODY BLOWS & BODY BLOWS GALACTIC) 19.49
UNIVERSE 21.99
VITAL LIGHT • 18.99
WEMBLEY INTERNATIONAL SOCCER 19.99
WORLD CUP GOLF • 19.99
ZOOL 2 ..... 18.99

DIGITAL VIDEO CD's

DIGITAL VIDEO CD's FOR CD32 OR CD FITTED WITH FMV ADAPTOR

BEVERLY HILLS COP (RATED 15) 15.99
BON JOVI - KEEP THE FAITH 14.99
BRYAN ADAMS - WAKING UP THE NEIGHBOURS 15.99
DAVID BOWIE - THE VIDEO COLLECTION (RATED 15) • 18.99
FATAL ATTRACTION (RATED 18) 15.99
GHOST (RATED 15) 15.99
INDECENT PROPOSAL (RATED 15) 15.99
KATE BUSH - THE WHOLE STORY '94 • 19.99
PATRIOT GAMES (RATED 15) 15.99
PINK FLOYD - THE DELICATE SOUND OF THUNDER • 22.99
QUEEN - GREATEST FLIX I & II • 22.99
STAR TREK VI (RATED PG) 15.99
THE CREAM OF ERIC CLAPTON • 19.99
THE CRYING GAME (RATED 18) • 15.99
THE KRAYS (RATED 18) • 19.99
TINA TURNER - SIMPLY THE BEST • 19.99
TOP GUN (RATED PG) 15.99
WAYNE'S WORLD (RATED 15) 19.99
WITNESS (RATED 15) 15.99

FREE PRINTER LEAD

WITH ALL PRINTERS

CITIZEN ABC PRINTER WITH COLOUR KIT 157.99
24 PIN, 80 COLUMN, 192CPS/64LQ 5LQ/1 DRAFT FONT COMPLETE WITH FREE EASYSTART SOFTWARE. 2 YEAR WARRANTY. *FREE WATCH WORTH £35.99 FOR A LIMITED PERIOD*



CANON BJ-200 BUBBLE JET PRINTER
80 COLUMN, 248CPS, 8 TYPEFACES, 3 PRINTING MODES, 1 YEAR WARRANTY ... **239.99**



CANON BJ10-SX BUBBLE JET PRINTER ...185.99
64 NOZZLE, 80 COLUMN, 110LQ CPS, 2LQ/3 DRAFT FONT.1 YEAR WARRANTY
FREE PRINTER LEAD

CITIZEN SWIFT 90C COLOUR PRINTER
9 PIN, 80 COLUMN, 240CPS/54NLQ, 6NLQ FONTS, 2 YEAR WARRANTY, FREE PRINTER LEAD **156.99**

CITIZEN SWIFT 200C COLOUR PRINTER
24 PIN, 80 COLUMN, 216CPS/72NLQ, 6LQ/1 DRAFT FONT, AUTO SET FACILITY,2 YEAR WARRANTY, FREE PRINTER LEAD **185.99**

CITIZEN SWIFT 240C COLOUR PRINTER..219.99
24 PIN, 80 COLUMN, 240CPS/80LQ, 9LQ/1 DRAFT FONT, AUTO SET FACILITY, LCD CONTROL PANEL, 2 YEAR WARRANTY, FREE PRINTER LEAD



EPSON LQ-100 PRINTER.
24 PIN, 80 COLUMN, 250 CPS/72 LQ, 8 FONTS (2 SCALEABLE), QUIET 50DB NOISE LEVEL, EASY TO USE CONTROL PANEL, FREE PRINTER LEAD. 1 YEAR WARRANTY. **139.99**

EPSON LQ-150 PRINTER.
24 PIN, 80 COLUMN, 216 CPS/79 LQ, 6 FONTS (6 SCALEABLE), QUIET 46.5DB NOISE LEVEL, EASY TO USE CONTROL PANEL, FREE PRINTER LEAD. 1 YEAR WARRANTY. **204.99**

PANASONIC KXP2135 COLOUR PRINTER.....185.99
24 PIN, 80 COLUMN, 200 CPS/64 LQ, 7 FONTS (1 SCALEABLE). FREE PRINTER LEAD.



WITH FREE WORDWORTH WORD PROCESSOR WHILST STOCKS LAST

ACCESSORIES

CANON NICAD BATTERY PACK FOR BJ-10EX OR BJ-10SX PRINTER 39.99

CITIZEN PRINTER DRIVER KIT FOR AMIGA. SUITS ALL WORKBENCH VERSIONS FROM 1.3 TO 3.0 ENHANCES PRINT QUALITY FROM CITIZEN SWIFT PRINTERS. GIVES OUTSTANDING RESULTS 12.99

CITIZEN TRACTOR FEED KIT FOR CITIZEN ABC PRINTER. EASY TO FIT KIT WHICH ALLOWS CONTINUOUS PAPER TO BE USED ... 39.99

FOR OUR COMPLETE RANGE OF PRINTERS, LEADS, RIBBONS AND ACCESSORIES PLEASE REFER TO OUR FREE CATALOGUE

BOOKS

A-TRAIN OFFICIAL STRATEGY GUIDE 17.99
AMIGA 1200 INSIDER GUIDE (ALL YOU NEED TO KNOW ABOUT THE AMIGA 1200) ... 12.99
AMIGA 1200 INSIDER GUIDE-NEXT STEPS 13.99
AMIGA A TO Z OF WORKBENCH 3 INSIDER GUIDE 12.99
AMIGA ASSEMBLER (A BEGINNERS GUIDE TO PROGRAMMING) 12.99
AMIGA DOS REFERENCE GUIDE (4TH EDITION) 19.99
AMIGA GAMES, HINTS, TIPS, CHEATS AND ADVENTURE SOLUTIONS 9.99
AMOS IN ACTION (A GUIDE TO USING AMOS WITH PRACTICAL EXAMPLES) ... 11.99
CIVILISATION GUIDE BOOK BY SID MEIERS 17.99

CORISH COMPUTER GAMES GUIDE (HINTS, TIPS AND POKES FOR OVER 600 COMPUTER GAMES) 12.99

INDIANA JONES AND FATE OF ATLANTIS HINT BOOK. WALKTHROUGH SOLUTION (TEAM, WITS AND FISTS PATHS) SPECIAL RESERVE CLUB VERSION 3.99

MASTERING AMIGA AMOS (ADVANCED GUIDE TO THE AMOS PROGRAMMING LANGUAGE) 16.99
MASTERING AMIGA BEGINNERS 16.99
MASTERING AMIGA C 14.99
MASTERING AMIGA PRINTERS 16.99
MASTERING AMIGADOS 3 TUTORIAL (GUIDE TO GETTING THE MOST FROM AMIGADOS 3) 17.99
SECRETS OF FRONTIER (ELITE 2) 9.99
WRITING ROLE PLAYING GAMES IN AMOS 11.99

MEGADRIVE GAMES

• = NEW ITEM

CHAOS ENGINE 39.99
EA SPORTS SOCCER (4 PLAYER) ... 36.99
JUNGLE STRIKE 36.99
MORTAL KOMBAT 2 • **43.99**
PETE SAMPRAS TENNIS (J-CART) (4 PLAYER GAME) **36.99**
PGA EUROPEAN TOUR **25.99**
ROAD RASH 2 ..... 19.99
STREETS OF RAGE 3 ..... **39.99**
URBAN STRIKE **35.99**
VIRTUA RACING **49.99**

GAME GEAR GAMES

MICRO MACHINES 24.99
COLUMNS 9.99
NBA JAM 29.99
SONIC 2 ..... 12.99
ALADDIN 24.99
SONIC THE HEDGEHOG 19.99
STAR WARS 24.49
FIFA SOCCER 29.99
WORLD CUP USA '94 ..... 25.99

GAMEBOY GAMES

SUPER MARIO LAND 3 ..... 19.99
ZELDA - LINK'S AWAKENING 19.99
DONKEY KONG '94 (SG) • 19.99
TETRIS 2 (SG) 19.99
PINBALL DREAMS 17.99
SUPER MARIO LAND 2 ..... 19.99
MONSTER MAX 23.99
CASTLEVANIA 2 ..... 16.99
WORLD CUP USA '94 ..... 25.99

SUPER NES GAMES

FIFA SOCCER **35.99**
SIM CITY **19.99**
PGA TOUR GOLF **14.99**
SUPER METROID 41.99
STUNT RACE FX • **41.99**
STARWING **19.99**
MEGA MAN X 33.99
MORTAL KOMBAT 2 • **49.99**
ROCK AND ROLL RACING 36.99
DESERT FIGHTER 40.99

WE ONLY SELL OFFICIAL UK VERSIONS



AMIGA CD32

CD BASED CONSOLE WITH A1200 32-BIT POWER. 262,000 COLOURS FROM A PALLETTE OF 16.7 MILLION. 2 MB RAM. FAST 14 MHz 68020 PROCESSOR. PLAYS AUDIO CD's WITH ON SCREEN DISPLAY AND DIGITAL VIDEO CD's WITH OPTIONAL FMV ADAPTOR.

AMIGA CD32 SPECTACULAR VOYAGE PACK
WITH MICROCOSM AND CHAOS ENGINE 250.99

PLUS THREE PACK AVAILABLE ONLY WHEN YOU BUY A CD32 CONTAINS ONE COMMODORE CONTROL PAD, ELITE 2 CD AND TRIVIAL PURSUIT CD ... JUST ADD ... 29.99

COMMODORE FULL MOTION VIDEO-CD MODULE
FOR AMIGA CD-32. GIVES CD-32 HIGH QUALITY FULL MOTION VIDEO CAPABILITY FOR MOVIES, MUSIC VIDEOS AND GAMES THAT FEATURE FULL MOTION VIDEO GAMEPLAY. SIMPLY SLOTS INTO BACK OF CD-32. ..... 199.99



COMMODORE CONTROL PAD 13.99



DYNAMICS CONTROL PAD FOR CD-32 16.99



QUICKSHOT SOUNDMATE 4 STEREO SPEAKERS (PAIR) FOR AMIGA, CD-32 OR PERSONAL STEREO. VOLUME AND BALANCE CONTROL, BASS AND TREBLE BOOST, 4W+4W MUSIC **16.99**



SCREENBEAT 3 STEREO SPEAKERS (PAIR) FOR AMIGA, CD32 OR PERSONAL STEREO **13.99**



SONY SRSA30 PORTABLE SPEAKERS WITH BUILT IN AMPLIFIER, ON/OFF SWITCH, VOLUME CONTROL, 65MM DIAMETER SPEAKERS. IDEAL FOR USE WITH WALKMAN, DISCMAN, CD32 OR AMIGA. 34.99

HI-FI AUDIO LEAD - AMIGA/CD32/ST TO STEREO 5.99
MEDIA LIFE CD FILE DRAWER (30 CAPACITY) 7.99
SCREENBEAT MAINS ADAPTOR FOR SCREENBEAT SPEAKERS 7.99



SETTLERS
16.99



SPACE LEGENDS
11.99



SPEEDBALL COLL.
9.99



F.1 GRAND PRIX
15.99



UFO - A1200
23.99



WORLD CUP YEAR '94
20.99

ALL AMIGA A1200's INCLUDE

MOUSE, BUILT-IN TV MODULATOR
2 MB RAM EXPANDABLE TO 10 MBFAST 14 MHz 68020 PROCESSORNEW AGA GRAPHICS CHIP SET
256,000 SCREEN COLOURS FROM 16.7 MILLION
4 CHANNEL STEREO SOUNDBUILT IN FLOPPY DISK DRIVE
BUILT IN INTERNAL HARD DRIVE INTERFACE (IDE)
AND 1 YEAR IN-HOME SERVICE WARRANTY



AMIGA A1200 2/0 DESKTOP DYNAMITE 350.00
WITH WORDWORTH 2.0 AGA DESKTOP PUBLISHER, PERSONAL PAINT IV AGA, PRINT MANAGER, OSCAR AND DENNIS

AMIGA A1200 2/0 COMBAT INNOVATIONS...340.00
WITH WORDWORTH 2.0 AGA DESKTOP PUBLISHER, PERSONAL PAINT IV AGA, PRINT MANAGER, DAY BY DAY, TOTAL CARNAGE,BRIAN THE LION AND ZOOL 2



AMIGA A1200 COMBAT INNOVATIONS PACK AS ABOVE WITH INTERNAL 2.5" HARD DRIVE

A1200 2/80 COMBAT + 80 MB DRIVE 510.00
A1200 2/120 COMBAT + 120 MB DRIVE 550.00
A1200 2/170 COMBAT + 170 MB DRIVE 580.00
FOR HARD DRIVE PACKS PLEASE PHONE TO CHECK LATEST PRICE AND AVAILABILITY

AMIGA A1200 2/0 LEMMINGS 2 PACK ...310.00
WITH LEMMINGS 2 AND DELUXE PAINT 3

A600's WHILE STOCKS LAST



AMIGA A600 1/0 WILD, WEIRD AND WICKED, PACK ...210.00
WITH DELUXE PAINT 3, F1 GRAND PRIX, PUSH OVER AND PUTTY

• SPECIAL DEALS •

ADD ANY AND AS MANY PLUS PACKS ONLY WHEN YOU BUY AN AMIGA



PLUS FOUR PACK
ELITE 2, BATMAN RETURNS, LEMMINGS 2 & CIVILISATION AGA
JUST ADD 19.99

PLUS CHAOS PACK A1200
CHAOS ENGINE, NICK FALDO GOLF, PINBALL FANTASY & SYNDICATE
JUST ADD 15.99





PLUS CHAOS PACK A600
CHAOS ENGINE, NICK FALDO GOLF, PINBALL FANTASY & SYNDICATE
JUST ADD 10.99

PLUS COMPETITION PRO JOYSTICKS
CONSISTS OF 2 COMPETITION PRO JOYSTICKS
JUST ADD ...17.99





PLUS SWIFT JOYPADS
CONSISTS OF 2 SWIFT TP200 JOYPADS
JUST ADD 14.99



SWIFT TP200 JOYPAD FOR AMIGA/ST. TURBO FIRE AND AUTOFIRE
9.99



COMPETITION PRO EXTRA JOYSTICK FOR AMIGA/ST CLEAR BASE. MICROSWITCHED WITH AUTOFIRE
11.99



QUICKSHOT 137F PYTHON JOYSTICK FOR AMIGA/ST. AUTOFIRE
9.99



CHEETAH BUG JOYSTICK FOR AMIGA/ST. MICROSWITCHED WITH AUTOFIRE
13.99



SCORPION PLUS JOYSTICK FOR AMIGA/ST ARCADE STYLE WITH TURBO FIRE
10.99



QUICKSHOT 128F MAVERICK 1 JOYSTICK FOR AMIGA/ST. AUTOFIRE
11.99



FREEWHEEL
STEERING WHEEL (DIGITAL) SUITS MOST DRIVING GAMES
21.99



SAITEK MEGAGRIP 2 JOYSTICK FOR AMIGA/ST. AUTOFIRE
11.49



SUPER PRO ZIP STICK JOYSTICK FOR AMIGA/ST. MICROSWITCHED WITH AUTOFIRE
11.99



BOLLISTICK HAND HELD MICRO-SWITCHED AUTOFIRE
10.99



QUICKJOY JET FIGHTER MICRO-SWITCHED, AUTOFIRE
11.99



KONIX SPEEDKING FOR AMIGA/ST AUTOFIRE
11.99



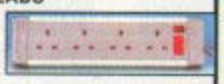
KONIX SPEEDKING ANALOGUE JOYSTICK FOR AMIGA ENABLES PROPORTIONAL CONTROL ON SUITABLE SOFTWARE. AUTOFIRE
14.99

QUICKJOY FOOT PEDAL FOR AMIGA OR ST 13.99

MEMORY

512K AMIGA RAM NO CLOCK FOR A500 OR A500+ 19.99
512K AMIGA RAM + CLOCK FOR A500 OR A500+ 23.99
1 MB A500 PLUS RAM UPGRADE + CLOCK 39.99
1 MB A600 RAM UPGRADE + CLOCK 49.99
4 MB RAM BOARD FOR A1200 WITH CLOCK FITS INTO TRAPDOOR SLOT 179.99
4 MB + FPU RAM BOARD FOR AMIGA A1200. WITH CLOCK AND ADDITIONAL FAST 33Mhz FLOATING POINT FOR MATHS AND GRAPHICS ACCELERATION. FITS INTO TRAPDOOR SLOT 235.99

LEADS



ANTI-SURGE 4 WAY MULTIPLUG EXTENSION PROTECTS AGAINST ELECTRICAL SURGES. 24.99

ANTI-SURGE PLUG 12.99

HI-FI AUDIO LEAD - AMIGA/CD32/ST TO STEREO (1.5 METRES, 2 X PHONO PLUGS TO 2 X PHONO PLUGS) CAN ALSO BE USED TO CONNECT STEREO VIDEO TO HI-FI, AND HI-FI SEPARATES TOGETHER 3.99

JOYSTICK SPLITTER CABLE FOR AMIGA OR ST, CONNECTS 2 JOYSTICKS TO 1 PORT 6.99

ROBOSHIFT INTERFACE FOR AMIGA OR ST PLUGS MOUSE AND JOYSTICK INTO ONE PORT 13.99

PORT EXTENSION ADAPTOR FOR AMIGA OR ST (PACK OF TWO) EXTENDS BY 21 CM 6.99

ANALOGUE JOYSTICK ADAPTOR FOR AMIGA ALLOWS ANY 15-PIN PC JOYSTICK TO BE USED WITH GAMES THAT FEATURE ANALOGUE CONTROL 7.99

NULL MODEM CABLE (CONNECTS 2 COMPUTERS FOR HEAD TO HEAD PLAYING ON CERTAIN GAMES SUCH AS POPULOUS, FALCON, KNIGHTS OF THE SKY, FORMULA 1 GRAND PRIX AND VROOM) 9.99

PRINTER LEAD (PARALLEL) 1.5 METRES 7.99

SCART LEAD - AMIGA CD32 TO TV WITH SCART INPUT. REQUIRES TV WITH MANUAL SCART CHANNEL 9.99
SCART LEAD - AMIGA TO GOLDSTAR TV 9.99
SCART LEAD - AMIGA TO PHILIPS TV 9.99
SCART LEAD - AMIGA TO SAMSUNG 9.99
SCART LEAD - AMIGA TO SONY TV 9.99
SCART LEAD - AMIGA TO TOSHIBA/HITACHI TV 9.99
SCART LEAD - AMIGA TO TV WITH SCART INPUT 9.99
TV LEAD - AMIGA CD-32 TO SVHS TV OR VIDEO 9.99
MONITOR LEAD - CD32 TO CM8833 1084S 9.99
MONITOR LEAD - AMIGA TO CM8833 1084S 9.99

ZYDEC AMIGA POWER SUPPLY (SPECIAL COOL RUNNING TRANSFORMER) 32.99

COMPUTER CARE

CLEANING KIT FOR COMPUTERS (WITH VACUUM) ...17.99
DUST COVER FOR 80 COLUMN PRINTER (CLEAR) 4.99
DUST COVER FOR A1200 (CLEAR PVC) 4.99
DUST COVER FOR A600 (CLEAR PVC) 4.99
DUST COVER FOR A500 OR ATARI ST (CLEAR PVC) ...4.99
DUST COVER FOR MONITOR (CLEAR PVC) 5.99
MOUSE HOUSE (HANDY PLACE TO STORE YOUR MOUSE) 4.49

CONTROL CENTRES

PREMIER UNI- CENTRE FOR AMIGA. STRONG UNIVERSAL STAND FOR COMPUTER, MONITOR STAND AND SHELF FOR EXTERNAL PERIPHERALS. (COMES FLAT PACKED) 36.99

PREMIER UNI- CENTRE PLUS FOR AMIGA, EXTRA LENGTH VERSION FOR OVERDRIVE AND OTHER PERIPHERALS 44.99

DIGITISERS, SAMPLERS & SCANNERS

TECHNOSOUND TURBO 2 SOUND SAMPLER REAL TIME SPECIAL EFFECTS. WORKS WITH ANY AMIGA. 1 MB RAM REQUIRED. 29.99

VIDEOMASTER FOR A500 OR A500+. COMBINED VIDEO DIGITISER AND AUDIO SAMPLER (1 MB) 49.99

ZYDEC HANDY SCANNER FOR ANY AMIGA. 100-400 DPI HIGH QUALITY RESOLUTION. 64 SIMULATED GREYSCALES. INCLUDES DAATASCAN PROFESSIONAL SOFTWARE 99.99

OVERDRIVE CD ROM FOR A1200



EXTERNAL CD ROM DRIVE COMPLETE WITH INTERFACE (PLUGS INTO PCMCIA PORT). RUNS MOST EXISITING CD-32 SOFTWARE. PHOTO-CD, CD AUDIO AND CD+G DISCS. DOUBLE SPEED MULTI-SESSION DRIVE UNIT WITH MOTORISED TRAY LOADING. EXTERNAL POWER SUPPLY ALSO INCLUDED. AMIGA AND CD AUDIO CAN BE MIXED. 1 YEAR WARRANTY.

189.99

THE WORLD'S FIRST PCMCIA SLOT CD ROM DRIVE FOR THE AMIGA A1200.

NOW FROM 199.99



OVERDRIVE V.3 HIGH SPEED HARD DRIVES FOR AMIGA A1200

"THE FASTEST DRIVE EVER REVIEWED BY CU"
3.5" QUALITY IDE HARD DRIVE,
AVERAGE ACCESS TIME 12MS,
STYLED TO MATCH AMIGA
EASY INSTALLATION - PLUGS INTO PCMCIA SLOT
AQ TOOLS AND 1 YEAR WARRANTY

OVERDRIVE V.3 170 MB EXTERNAL HARD DRIVE FOR AMIGA A1200 .....199.99
OVERDRIVE V.3 420 MB EXTERNAL HARD DRIVE FOR AMIGA A1200 .....239.99

INTERNAL HARD DRIVES FOR AMIGA A1200 & A600

HARD DRIVES: HIGH SPEED 2.5" DRIVE. 15 MS ACCESS TIME (APPROX).
1 YEAR WARRANTY. KIT COMPLETE AND EASY TO FIT. DRIVES FULLY PREPARED
NOTE THAT OPENING YOUR AMIGA MAY INVALIDATE THE WARRANTY.

64 MB INTERNAL HARD DRIVE 32K CACHE (CONNER) FOR AMIGA A1200 .....127.99
64 MB INTERNAL HARD DRIVE 32K CACHE (CONNER) FOR AMIGA A600 .....127.99
80 MB INTERNAL HARD DRIVE 64K CACHE (IBM) FOR AMIGA A1200 .....149.99
80 MB INTERNAL HARD DRIVE 64K CACHE (IBM) FOR AMIGA A600 .....149.99
120 MB INTERNAL HARD DRIVE 64K CACHE (AREAL) FOR AMIGA A600 .....189.99
120 MB INTERNAL HARD DRIVE 64K CACHE (AREAL) FOR AMIGA A1200 .....189.99

SCART TV's AND MONITORS



SONY KVM1400 14" FST COLOUR
SCART TV/MONITOR WITH REMOTE CONTROL
60 CHANNEL TUNING, REAR SCART INPUT
HEADPHONE SOCKET, TWO POSITION TILT BLACK TRINITRON SCREEN, LOOP AERIAL, FREE SCART LEAD
SONY KVM1400 (GREY) 194.99
SONY KVM1400 (WHITE) 194.99
SONY KVM1401BL FASTEXT 244.99

SHARP 14" COLOUR
SCART TV/MONITOR WITH REMOTE CONTROL
40 CHANNEL TUNING, REAR SCART INPUT, ON SCREEN DISPLAY, ON/OFF TIMER, FREE SCART LEAD
SHARP 14" 174.99

FREE SCART LEAD
(STATE AMIGA, CD32, ST, MEGADRIVE 1 OR 2, OR SNES)



MICROVITEC 1438 MULTI-SYNC MONITOR

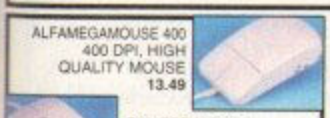
FOR AMIGA A1200/A4000 OR PC. COMPLETE WITH STEREO SPEAKERS. 0.28 DOT PITCH RESOLUTION,15 PIN RGB DIN PLUG. AMIGA ADAPTOR PLUG INCLUDED. SUITS ALL AMIGA AGA AND ALL PC SCREEN MODES TO SVGA.

1 YEAR WARRANTY. 304.99



DISK DRIVES

EXTERNAL 3.5" DISK DRIVE FOR ANY AMIGA WITH SONY/CITIZEN DRIVE MECHANISM. 880K FORMATTED, QUIET, HIGH QUALITY, SLIM LINE DESIGN, COLOUR MATCHED METAL CASE AND LONG REACH CABLE 49.99



ALFAMEGAMOUSE 400
400 DPI, HIGH QUALITY MOUSE
13.49

EKLIPSE MOUSE, MICROSWITCHED 290 DPI FOR AMIGA
10.99

LOGIC 3 SPEED MOUSE. 300DPI, 2 MICROSWITCHED BUTTONS
12.99

MOUSE MAT WITH SPONGE BACKING
4.99

SPECIAL RESERVE
BRITISH MADE ERROR FREE DISKS

PACK OF 10 SPECIAL RESERVE
3.5" DSDD DISKS WITH LABELS & FREE PLASTIC FLIP TOP DISK BOX 6.99

PACK OF 50 SPECIAL RESERVE
3.5" DSDD DISKS WITH LABELS 19.99

DISK BOXES

DISK BOX 3.5" (120) LOCKABLE, DIVIDERS 9.99

MEDIA LIFE FILE DRAWER, STACKABLE DESIGN, EASY TO ASSEMBLE.

200 CAPACITY 3.5" DISKS 16.99
30 CAPACITY CD's 15.99

SPECIAL RESERVE
HEAVY discounts
HUGE range

Special Reserve The Discount Club

FREE - 16 page colour catalogue - just phone

0279 600204



HUGE range of hardware, software, books, peripherals and leads for PC, CD Rom, Amiga, CD32, Sega, Nintendo, Atari, Apple, Sony, Philips and 3DO. All official UK products, all at HEAVILY discounted prices

Order by post, or by phone or come to one of the Special Reserve

CLUB SHOPS
OPEN 10am to 8pm SEVEN DAYS A WEEK

CHELMSFORD - 43 Broomfield Rd around the corner from the bus station
SAWBRIDGEWORTH - The Maltings 200 yards from the train station

Over 200,000 people have joined Special Reserve

SNES WITH MARIO ALL STARS ...82.00
ATARI JAGUAR CYBERMORPH ...213.99
GAME GEAR WITH 5 GAMES FROM 89.99
PANASONIC 3DO TOTAL ECLIPSE ...385.99
MEGA CD WITH 9 GAMES FROM 179.99
MEGADRIVE WITH 6 GAMES ...88.00

WE ONLY SUPPLY MEMBERS BUT YOU CAN ORDER AS YOU JOIN

Members receive our 48-page Colour Club Magazine bi-monthly
Each issue reviews a selection from our extensive range and includes at least £30 worth of coupons for additional savings on top products
Members are under no obligation to buy anything

MEMBERSHIP FEES	UK	EC	WORLD
SIX MONTHS TRIAL	4.00	6.00	7.00
ONE YEAR	7.00	9.00	11.00

ONE YEAR PRICE INCLUDES SIX ISSUES OF THE SPECIAL RESERVE MAGAZINE WITH £180 OF XS COUPONS

Credit Card Sales 0279 600204 10am to 8pm Daily

All prices include VAT and 2-3 working day carriage to UK mainland
Software and peripherals are sent by post, hardware by White Arrow
Allow one or two days for processing and despatch of stock items
All items are individually despatched and may not arrive together
An order confirmation/despatch advice/VAT receipt will follow

Hardware items (battery or mains) are only supplied to the UK mainland
Overseas orders must be paid by credit card (no hardware sold overseas)
Overseas surcharge £2.00 per software item or 25% on other items

(BLOCK CAPITALS please) **EASY**
Name & Address _____
_____
_____ Postcode _____
Phone No _____ Machine _____
Enter membership number (if applicable) or
NEW MEMBERSHIP FEE (ANNUAL UK 7.00)
item _____
item _____
item _____
item _____
item _____
Please use this box to add any **optional** fast delivery charge
1st Class Post 40p per posted item or £10 overnight hardware
ALL PRICES INCLUDE UK POSTAGE & VAT
Cheque/P.O./Access/Mastercard/Switch/Visa £

CREDIT CARD EXPIRY DATE _____ SIGNATURE _____ SWITCH (ISSUE NO_____)

Cheques payable to: **SPECIAL RESERVE at**

P.O. BOX 847, HARLOW, CM21 9PH

or FAX a credit card order on 0279 726842

Inevitably some games listed may not yet be available. Please phone sales to check availability before ordering. We reserve the right to change prices and offers without prior notification. PRICES CORRECT AT TIME OF GOING TO PRESS. 30.9.94 E. & O.E.
Inter-Mediates Ltd, 2 South Block, The Maltings, Sawbridgeworth, Herts. CM21 9PG.

AMIGA COMPUTING

WE HAVE WHAT IT TAKES TO BUILD A GREAT PC **DIY PC** PRICES INCLUDE VAT AND CARRIAGE

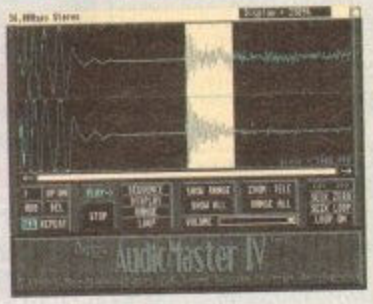
486DX2/66 4/0 TOWER BASE UNIT ...679.99
+ MICROSOFT DOS 6.2 AND WINDOWS 3.11 ...89.99
SVGA COLOUR MONITORS FROM 189.99
KEYBOARDS - 102 KEY FROM 22.99
CD ROM DRIVES FROM 109.99
INTERNAL IDE HARD DRIVES FROM ...159.99
4 MB RAM EXPANSION FOR PC 129.99
MOUSE FOR PC 290-2900 DPI 10.99
SOUND CARDS FROM JUST 39.99

Deal Direct, with Digital Direct...

Music Samplers etc.

Megalosound is the new 8-bit, stereo, direct-to-disk sampler package; the software is packed full of easy-to-use editing features, special effects and extras such as the ability to print waveforms and sample information.

The package allows sampling up to 84KHz mono and 56KHz stereo to memory and up to 21KHz stereo to hard disk on an A1200. Supplied with a hardware volume control and an extensive 144-page manual, Megalosound is impressive value and Gold-rated by CU Amiga, with 89% from everybody's favourite magazine, Amiga Format!



AudioMaster IV is regarded as the de-facto standard in sound sampling and editing software. With its incredible range of features and clear, informative displays, it is hard to beat as a sound editing system.

AudioMaster IVis compatible with Megalosound and any other sound sampling hardware that connects through the Amiga's parallel port. Please call for further information.

ProMIDI Interface

The ideal MIDI interface for all Amigas, this smart-looking device comes with MIDI in, MIDI thru and two MIDI out ports and is complete with manual, software and a flying cable for convenient positioning.

Graphic Design

VistaLite 3.0



Create stunning landscapes with this amazing 3D simulation program. Supports HAM8 and 256 colour mode and requires 2Mb of RAM and Workbench 2.0 or above. A simply superb product from Virtual Reality Labs!

Distant Suns 5.0

Be the star of your own trek through space! Animate the solar system, view the same night sky as the 3 wise men and navigate by the stars with this 3D Desktop Planetarium. Requires 2Mb RAM and Workbench 2.04 or greater.

Pricing & Ordering Details

HiSoft BASIC 2	£59	Megalosound	£25
HiSoft Devpac 3.04	£49	AudioMaster IV	£39
HighSpeed Pascal 1.10	£49	ProMIDI Interface	£17
Maxon Magic	£22	VistaLite 3.0	£29
TurboText !	£39	Distant Suns 5.0	£29
VideoMaster A500/A500+	£39	SBase Personal 1.3n	£69
VideoMaster A600/A1200	£59	SBase Professional 1.3n	£139
ColourMaster with VideoMaster	£35	**Remainders**	
ColourMaster separately	£49	Power BASIC Amiga	£10
VideoStage Pro	£99	K-Spread2/K-Data Pack (A500/A500+ only)	£10
ProFlight	£10		

Simply call 0525 718271 from 9am to 6pm, Monday to Friday, armed with your credit or debit card number and we will despatch your goods within 3 working days, assuming they are in stock. If there should be any delay we will notify you immediately. Alternatively you can send us a cheque or PO made out to Digital Direct. Please add £3 postage within the UK (£6 for a next working day delivery), £4 within the rest of Europe, £8 elsewhere .

All goods are offered with a no-nonsense 30-day money-back guarantee, if you are not completely satisfied with the product.

All prices include UK VAT. © Digital Direct 1994.

VISA Access

Video/Presentation



The best-value real-time video digitiser you can buy; VideoMaster gives you the ability to record real-time monochrome video with sound at 25 frames per second as well as quality full-screen stills from your camcorder or video recorder. VideoMaster RGB includes our new colour splitter, ColourMaster, and produces amazing quality colour stills.

VideoMaster AGA works on the A1200 and A600, connects via the PCMCIA slot for extra speed and freedom to use other peripherals, allows high quality stereo sound and supports HAM6 and HAM8 up to 640 x 512 resolution for stills.

ColourMaster

ColourMaster is a new electronic colour splitter which works in conjunction with VideoMaster for stunning colour stills.

VideoStage Pro

Spectacular video and on-screen interactive productions are easily created with this brand-new release from Oxxi. Shows can incorporate text, graphic objects, animated sequences and sound.

The *Storyboard* features icons for insertion of show events such as graphic images, title screens, sound events, ARexx calls, genlock events and play loop events; a *Timeline* allows different tracks for each of these.

Videostage Pro supports the concept of *Actors* allowing animation of any drawn object, button or brush and actors may be overlapped in their motion so that multiple objects move at the same time, for smoothness.

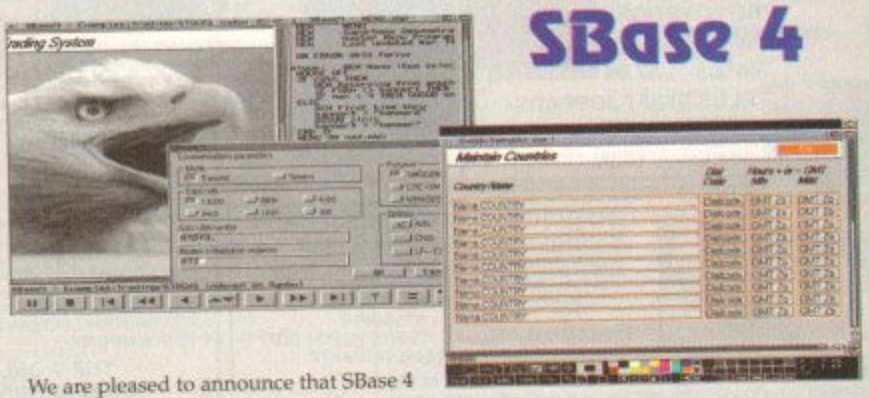
The *Genlock* control supports G-Lock and SuperGen genlocks as well as all generic Amiga genlock controls. *Sound* support for 8SVX samples and NoiseTracker, ProTracker and SoundTracker music modules.

Over 60 built-in dazzling *Special Effects* with wipes, fades, scrolls, cross-fades etc.

Videostage Pro requires an Amiga with a hard disk and 3Mb RAM (at least 1Mb chip RAM). AmigaDOS 2.0 or higher.

Business Applications

SBase 4



We are pleased to announce that SBase 4 is back in the UK with Digital Direct. SBase 4 Personal and SBase 4 Professional are up to version 1.3n now and we have both in stock, ready for immediate despatch.

These products are renowned for their power and their range of features and have been available on the Amiga platform for many years in earlier versions. Now they have both been brought right up-to-date with support for the very latest Amiga computers.

Both SBase Personal and Professional are full-featured, fully relational and powerful databases with pull-down menus, multiple windows and complete access to your Amiga's multi-tasking environment and they are now compatible with AmigaDOS 3.0 and the AGA chip set.

SBase Professional includes a powerful database management language and supports ARexx. Please call for our datasheets on these superb products.

Digital Direct

Digital Direct
The Old School, Greenfield,
Bedford MK45 5DE UK.
Tel +44 (0) 525 718271
Fax +44 (0) 525 713716

Digital Direct is the direct sales division of HiSoft UK.

NEWS

By ADAM PHILLIPS

The waiting continues

Contrary to what David Pleasance, MD for Commodore UK, said last month, the liquidators in the Bahamas are still considering bids including CBM UK's.

It would seem that the ten day ultimatum laid down by Pleasance and co. has either been ignored or not upheld by its instigators. The surprise this time round is the appearance of two new bids – the first from Creative Equipment International based in the Sates and the German-owned computer retail chain, Escom.

The bid being taken most seriously by CBM UK is CEIs. With an advert appearing in the Philadelphia Inquirer looking for accounting, managerial, engineering and production staff for the restart of Commodore in America, their confidence seems to be running as high as Pleasance's whose own celebratory party is still planned for October 13th.

Perhaps more worrying for the UK bid is that Alex Amor, managing director of CEI, told Dan Stets of the Philadelphia Inquirer that he had what amounted to a silent partner, most likely a large technology company that is apparently supporting his bid.



Colin Proudfoot: "We have to accept that we're not the only horse in town"

Little is known about Escom and its attempt at buying Commodore technology. There has been no comment from the company but apparently there are several leading management in Germany who used to be Commodore employees.

With their own range of PCs and 242 stores across Europe, including 24 in the UK, Escom would appear to be another candidate in a finanacially viable position for the buyout.

Colin Proudfoot, joint MD of Commodore UK, told Computer Trade Weekly, the industry's newspaper, that: "the liquidator knows his back's against the wall in terms of timing. But while we're all frustrated with the process, things are moving as fast as they can. At the moment, we have to accept that we're not the only horse in town."

Despite Proudfoot's words, one thing remains worryingly clear – at the time of going to press, there still is no definite conclusion to the Commodore crisis that began months ago and the chances of a bright Christmas for Amiga stock is starting to look decidedly shaky.

The next generation

Despite the mass of corporate players releasing their own super consoles into a soon-to-be saturated market, Commodore UK, if successful with their bid, has a 64-bit games machine in R&D at present. The intention is to release the CD-based unit within the next year, perhaps even as early as Christmas, to meet the competition head on.

ELSPA step up the pornography fight

Officially released at the recent ECTS show, ELSPA's white paper on the past, present and foreseeable future of pornography has been submitted to the government, brandishing concerns about hardcore material finding its way into the floppy and hard drives of children.

The paper calls on the government to provide greater police resources and increase police training in a bid to curb the ever increasing problem.

"The fight against pornography is not helped by a belief that it is difficult to obtain a conviction in court for all but the most obnoxious material" commented John Loader, chief investigator at ELSPA's Crime Unit.

"Because of the way that computer pornography is particularly accessible by children, we believe that the Home Office should issue guidelines advising courts to interpret the Obscene Publications Act when dealing with computer pornography as if children were the intended audience."

For further information and a copy of the white paper, contact Ben Hill at Firefly Communications on 071 381 4505.



White Paper: Wants stronger laws and more police help

Special offer from Citizen

As part of Citizen's promotional buildup to Christmas, the company is offering a free watch with every ABC Colour printer, between 1st September and 30th November. Looking like a Swatch watch, the time piece is worth £35.99 and the complete package costs £213.99 RRP.

NEWS BRIEFS

An explanation

Apparently, some Amiga 1200 owners have been calling HiQ, the mail order company, reporting problems with certain genlocks including the YC genlock from Electronic Design.

On contacting Electronic Design, HiQ were told that some UK A1200 models have had a chip design change which has caused the problems with existing YC genlocks. The company has no plans for updating the YC unit and is telling 1200 owners and stockists alike to invest in its Neptune Genlock priced £549 as an alternative.

Savings on Scala

In conjunction with Scala, Silica, the retail shop, is offering the Scala Software Suite for all DTV enthusiasts. Combining the Scala MM300 with the Echo EE100, the user can create business reports, storyboards, company tutorials, presentations and a host of other title-creating demonstrations.

The Scala Echo system allows editing facilities through the use of an infra red sensor. The complete package costs £399 which, Silica claims, saves the customer £79. Silica can be reached on 081-309 1111 for further information.

Recycling for the future

With the huge amount of computers that are thrown away by large companies each year, the Computer Recycling Club has been established to redirect this apparent wastage into a useful resource. The intent is to collect unwanted machines from all over the country and distribute them, for a small fee, to home users and charities.

"I see computers as a necessary tool that enpower people to achieve more, particularly those associated with charities, and people interested in getting involved in computers for the first time will benefit from this club" commented Keith Park, founder of the Recycling Club.

For more details, call the enquiries desk on 0685 872389.

Films for CD32

With David Pleasance enthusing about the FMV future of the CD32, CD Vision, a recently created company, is on the verge of releasing five interactive CD-ROMS and 40 video CDs. It has access to over 6,000 hours of video programming including material from Tiger Aspect Productions, the company responsible for Mr Bean, and Zenith, makers of Inspector Morse and 99 to 1.

"Our aim is to satisfy the entertainment aspects of both the interactive CD-ROM and Video CD markets" commented Nigel Wood, joint managing director of CD Vision. " Not only do we have immediate access to a massive catalogue of programming, we are also actively pursuing other publishers and TV companies with a view to using their material for development of further multimedia projects."

Among the first crop of releases due in mid October are Halloween, Raquel Welch's Lose 10lbs in Three Weeks, Enjoying Sex and Chris Tarrant's Crazy World of Home Movies. An additional 20 Video CD titles are planned for November and December that include Ulrika Jonnson's Extreme Limits and In the Wild with Anthony Hopkins, Bob Hoskins and Timothy Dalton.

Requiring the FMV cartridge, CD32 owners can now hopefully begin to realise the multimedia potential of their console.



Films: Coming to a CD32 near you courtesy of CD Vision



Workbench 3 Booster: More help for Amiga users

Insiders pack

Following the success of the A1200 Beginners Pack, Bruce Smith Books has released the Workbench 3 Booster Pack that contains intermediate level material on Workbench 3, AmigaDOS and system configuration.

The Disks and Drives Insider Guide section also contains relatively advanced tutorials on data compression, encryption techniques and low level disk operations for AmigaDOS.

Costing £39.95, the pack consists of two books, disks and a video and is suitable for all A1200 and A4000 users. It's also useful for A500, A2000 and A3000 owners upgrading to Workbench 3.1.

The Workbench 3 Booster is only available direct from Bruce Smith Books and credit card orders can be placed on 01923 894355.

Grab the frame

New for the Amiga is the Pro-Grab 24RT, a 24-bit real time colour digitiser. It can capture colour images from any video source providing a composite output claims Softwood Direct, manufacturer of the new hardware.

Also included is the ability to allow the digitiser to be used as a teletext decoder. Softwood Direct can be reached on 0773 836781.

Amiga trek

Continuing from its success on American television, the Amiga, coupled with Lightwave 3D, is being used to create some of the graphics for the new series Star Trek Voyager. Taking up where Deep Space Nine and Star Trek:TNG left off, the continuing Trekky saga details the story of two hostile races having to share the same ship to make their way home from deep space.

The company behind the effects is Amblin Imaging, the same team that produced the graphics for TNG. Along with the classic Lightwave, Raptors are installed in the US offices to add their usual punching power to rendering times.

The new series should be arriving on British shores at some point early next year.

Console emulation

With the Zappo CD drive available and the CD1200 to appear in shops after Christmas, some owners of existing drives that are not compatible with CD32 software may well be feeling a little hard done by.

To rectify this, Blittersoft has announced the arrival of the CD32 Emulator software pack for previously unsuited CD-ROMs.

Costing £49.95, the package includes the emulator that, like the Zappo CD drive, can't run all titles, but the makers claim the likes of Microcosm, Diggers and Frontier do. To run the software, owners must have an AGA Amiga, a SCSI-2 CD, 2Mb chip RAM and 1Mb Fast RAM.

Also included are three lesser titles that play music, create CD filing systems and aid the mounting of the CD-ROM drive.

Blittersoft can be reached on 0908 220196.

SILICA ARE NOW IN 18 BRANCHES OF DEBENHAMS
SEE BOTTOM PANEL FOR DETAILS

CITIZEN DOT MATRIX & INKJET PRINTERS

NEW! ONLY £249 INC VAT! COLOUR INKJET

FREE! FROM SILICA

- **DELIVERY** - On orders over £40.00 VAT. Next Day - Anywhere in the UK mainland
- **WINDOWS 3.1** Free Windows 3.1 driver with Printer Kit
- **2 YEAR WARRANTY** (Excluding consumables)
- **HELPLINE** Technical support during office hours
- **PRINTER KIT** With Citizen dot matrix printers from Silica



FREE PRINTER KIT INCLUDES:
- 3½" Disk with Amiga Print Manager
- 3½" Disk with Windows 3.1 Driver
- 1.8 Metre Parallel Printer Cable
- 200 Sheets of Continuous Paper
- 50 Continuous Tractor Feed Address Labels
- 50 Continuous Tractor Feed Disk Labels

AMIGA PRINT MANAGER
For faster printing from your Amiga, with clearer images and more vibrant colours. Available free of charge as part of the Silica Printer Kit.
- Improved Image Smoothing
- Image Scaling
- Gamma Colour Correction
- Colour Separation
- Reduces/Eliminates Banding

KIT VALUE **£57.58** INC VAT

ABC 24 — 24 PIN 192 CPS 80 COLUMN

FREE! PRINTER KIT WORTH £57.58 SEE LEFT

FREE DELIVERY IN UK MAINLAND

2 YEAR WARRANTY

COLOUR OPTION AVAILABLE SEE BELOW

IDEAL FOR THE FIRST-TIME USER



- 24 pin - 80 column
- 192cps Draft (12cpi) 64cps LQ (12cpi)
- 8K Printer Buffer
- 5 Fonts - 2 Scalable
- Parallel Interface
- Graphics Resolution: 360 x 360dpi
- Epson & IBM Emulation
- Autoset Facility
- Quiet < 48dB(A)
- Built-in 50 Sheet Automatic Feeder
- "EASYSTART" S/W - Windows Driver - Amiga Driver
- Optional Extras: 128K RAM, Colour Kit, Tractor Feed
- FREE Silica Printer Kit
- 2 Year Warranty

OPTIONAL COLOUR KIT
£21.28 + VAT = £25
PRA 1237

FREE WATCH!
WHEN YOU BUY AN ABC PRINTER WITH AN OPTIONAL COLOUR KIT FROM SILICA, CLAIM A FREE WRIST WATCH FROM CITIZEN
WORTH £35.99
OFFER PERIOD 1st SEPT TO 30th NOV '94

RRP	£189.00
PRINTER KIT	£49.00
TOTAL VALUE:	£238.00
SAVING:	£119.70
SILICA PRICE:	£118.30

ABC - MONO PRINTER
£118.30 PRI 2411 + VAT = **£139** INCLUDING VAT

COLOUR PORTABLE 126 CPS



- Citizen Portable Thermal Notebook Printer II
- Fast LQ Output - 126cps (12cpi)
- 10k Printer Buffer/5 Fonts
- Parallel Interface
- Graphics Resolution: 360 x 360 dpi
- Epson, IBM, NEC and Citizen Emulations
- Drivers for MS Windows 3.1, MS Word and WordPerfect
- Prints on Strut Paper
- Built-in Auto Sheet Feeder - 5 Sheets
- Spot Colour & Black Ribbons Supplied
- Battery Optional
- 2 Year Warranty

RRP	£369.00
FREE RIBBON	£5.88
TOTAL VALUE:	£364.88
SAVING:	£142.97
SILICA PRICE:	£211.91

£211.91 PRI 2104 + VAT = **£249** INCLUDING VAT

SPECIAL OFFER! SAVE OVER £24 — NOTEBOOK PRINTER II BATTERY WHEN PURCHASED WITH PRINTER £20 INC VAT
Ref: PRA 1148 - Normal price £44.99 INC VAT

INKJET 180 CPS 80 COLUMN

- Citizen Projet II Inkjet - 80 column
- 180cps Draft (10cpi)
- 120cps NLQ (10cpi)
- 50 Nozzle Head - Quiet 46dB(A)
- 50K Printer Buffer
- 1 x IC Card Slot
- 3 Fonts Built-in
- Optional HP Compatible Font Cards
- Parallel Interface
- Graphics Resolution: 300 x 300dpi
- HP Deskjet Plus (PCL3+) Emulation
- Automatic Sheet Feeder
- Includes Windows 3.1 Driver
- Monochrome & Colour Versions Available
- 2 Year Warranty



PROJET II MONO

RRP	£316.00
FREE CABLE	£8.47
TOTAL VALUE:	£324.47
SAVING:	£155.11
SILICA PRICE:	£169.36

£169.36 PRI 2093 + VAT = **£199** INCLUDING VAT

PROJET IIC COLOUR

RRP	£279.00
FREE CABLE	£8.47
TOTAL VALUE:	£287.47
SAVING:	£75.56
SILICA PRICE:	£211.91

£211.91 PRI 2097 + VAT = **£249** INCLUDING VAT

24 PIN FAST DOT MATRIX 270 CPS 80 COLUMN

- Citizen Swift 200/200C - 24 pin - 80 column
- 270cps SD (15cpi), 216 cps Draft (12cpi), 72cps LQ (12cpi)
- 8K Printer Buffer - 40K maximum
- 7 LQ Fonts
- Parallel Interface
- Graphics Resolution: 360 x 360dpi
- Epson, IBM, NEC P20 & CEL Emulations
- Quarter Printing Facility
- Auto Set Facility Bi-directional Interface, Auto Emulation Detection
- Ultra Quiet Mode - 43dB(A)
- Colour Printing Standard - Swift 200c, Optional - Swift 200
- FREE Silica Printer Kit



SWIFT 200 MONO

RRP	£259.00
PRINTER KIT	£49.00
TOTAL VALUE:	£308.00
SAVING:	£164.17
SILICA PRICE:	£143.83

£143.83 PRI 2490 + VAT = **£169** INCLUDING VAT

SWIFT 200C COLOUR

RRP	£279.00
PRINTER KIT	£49.00
TOTAL VALUE:	£328.00
SAVING:	£175.66
SILICA PRICE:	£152.34

£152.34 PRI 2495 + VAT= **£179** INCLUDING VAT

THE SILICA SERVICE

SILICA 1978 16 YEARS 1994 SERVICE TO YOU

Before you decide WHEN to buy, we suggest you consider WHERE to buy and protect your investment with a purchase from Silica. With our unrivalled experience and expertise, we will provide all the extra help, advice and new product information you may need both now and in the future. Visit one of our stores, or return this coupon now and begin to experience the "Silica Service".

- **ESTABLISHED 16 YEARS:** We have a proven track record in professional computer sales.
- **PART OF A £50M A YEAR COMPANY:** With over 300 staff - We are solid and reliable.
- **EXPERIENCED STAFF:** All are 'Customer Care' trained and at your service.
- **TECHNICAL SUPPORT HELPLINE:** FREE help and advice from a team of experts.
- **A FULL PRODUCT RANGE:** All of your computer requirements from one supplier.
- **PRICE MATCH:** We match on a "Same product - Same price" basis.
- **FREE CATALOGUES:** With special offers and product news.
- **PAYMENT:** We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).
- **VOLUME DISCOUNTS AVAILABLE:** Business, Education and Government. Tel: 081-308 0888.
- **MAIL ORDER:** FREE DELIVERY on orders over £40+VAT. Small administration charge (£2.50+VAT) on orders under £40+VAT.
- **STORES NATIONWIDE:** 21 stores including 18 in branches of Debenhams.

SILICA

NOW IN 18 BRANCHES OF DEBENHAMS STORES NATIONWIDE

MAIL ORDER 081-309 1111

PLUS TECHNICAL AND HEAD OFFICE

SILICA, SILICA HOUSE, HATHERLEY ROAD, SIDCUP, KENT, DA14 4DX

PLUS BRANCHES AT:

BRISTOL	Debenhams - (3rd Floor)	St James Barton	0272 291021
CARDIFF	Debenhams - (1st Floor)	St. David's Way	0222 399789
CHELMSFORD	Debenhams - (2nd Floor)	27 High Street	0245 355511
CROYDON	Debenhams - (2nd Floor)	11-31 North End	081-688 4455
GLASGOW	Debenhams - (5th Floor)	97 Argyle Street	041-221 0088
GUILDFORD	Debenhams - (3rd Floor)	Millbrook	0483 301300
HARROW	Debenhams - (2nd Floor)	Station Road	081-427 4300
HULL	Debenhams - (2nd Floor)	Prospect Street	0482 25151
IPSWICH	Debenhams - (2nd Floor)	Westgate Street	0473 221313
LONDON	Silica	- 52 Tottenham Court Road	071-580 4000
LONDON	Debenhams - (3rd Floor)	334 Oxford St	071-580 3000
LUTON	Debenhams - (1st Floor)	Arndale Centre	0582 21201
MANCHESTER	Debenhams - (3rd Floor)	Market Street	061-832 8666
PLYMOUTH	Debenhams - (3rd Floor)	Royal Parade	0752 266666
ROMFORD	Debenhams - (3rd Floor)	Market Place	0708 766066
SHEFFIELD	Debenhams - (3rd Floor)	The Moor	0742 768611
SHEFFIELD	Debenhams - (LL Ground)	Meadowhall Ctre	0742 568555
SIDCUP	Silica	- Silica House, Hatherley Rd	081-302 8811
SOUTHAMPTON	Debenhams - (1st Floor)	Queensway	0703 223888
SOUTHEND	Keddies	- (2nd Floor) High Street	0702 462426
THURROCK	Debenhams - (1st Floor)	Lakeside Centre	0708 860066

To: Silica, AMCOM-1294-215, Silica House, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND A BROCHURE ON THE CITIZEN RANGE

Mr/Mrs/Miss/Ms: ..... Initials: .....

Surname: .....

Company (if applicable): .....

Address: .....

..... Postcode: .....

Tel (Home): .....

Tel (Work): .....

Which computer(s), if any, do you own?

.....

215F

Success for First Computer

First Computer Centre, the Northern retailers of all things Amiga, has set up a bulletin board for Commodore users. Providing technical advice, a selection of PD software and a chance to place orders, the retail store has plans to increase the system and is asking for the uploading of files that Amiga users think may be of interest or use to others.

The BBS number for First Computer Centre is 0113 2 311422 or 0532 311422 (pre-BT phone day).

Primed Prolog

Computer language specialists, Grange Technology Ltd, has announced a new implementation of Prolog for the Amiga. According to the makers, GT-Prolog combines fast execution speed and low memory overheads with an interactive development environment, supporting incremental compilation and debugging of Prolog applications.

"GT-Prolog represents the first in a new generation of software development products for smaller scale computer systems which provide a superior level of performance and functionality at a price which is affordable by professional users and enthusiasts alike," commented Graham Thwaites, Grange Technology's managing director and author of GT-Prolog.

The package retails for £89.95 and for further details contact Thwaites on 01235 851818.

PAR update

For followers of PAR software, version 2,25b is poised for release by the Scotland-based 24Bit Club. New features include an improved system of Importers and Exporters that has been rewritten and apparently optimised.

The Export function now includes the ability to force translate other programs to see PAR animation files as if they are sequences of images instead of single animations. This basically means that any program can load images directly out of PAR animations without having to use ARexx or having to pre-export the files.

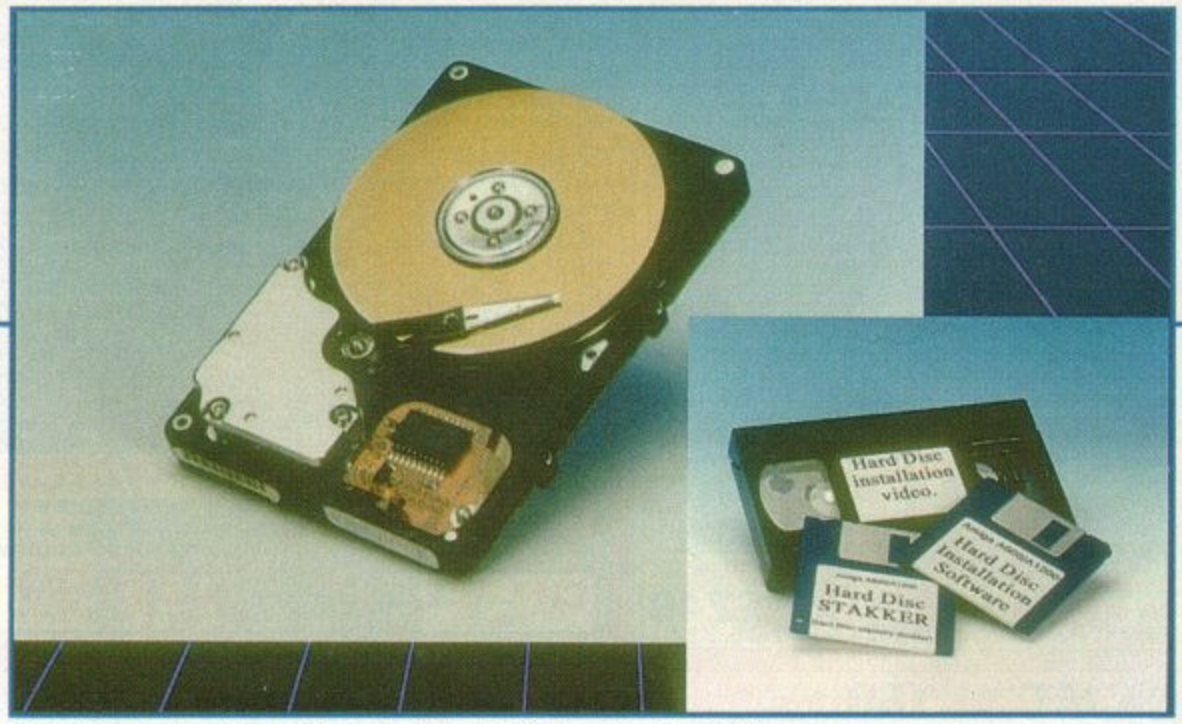
The new Import feature allows the user to control how the PAR handles the way it looks at the file numbers before it brings each file into the PAR. This gives access to more control over the incrementing of frames.

For more details, contact 24Bit Software at 6 Skirsa Square, Floor 1, Glasgow, G23 5DW.

Video aid for users

To help customers not adept in things technical, Siren Software is giving away a free "How To Fit Your Hard Drive" video with every HD unit sold. The programme is a step by step guide to enable anybody to fit an internal 2.5' hard drive into their Amiga, according to Siren Software. The price of HDs from the company range from £109.99 to £449.99 with a variety of differing sizes – from 30mb to 540 mb, with transfer rates of upto 8.3mb per second.

Contact Siren Software on 0500 340548 for more information.



Siren Software: Providing a video to help the installation of their hard drives

A touch of Pizaz

A new company, Video FX, has joined the increasing ranks of firms producing video specific packages for the Amiga. Its first release, Pizaz, is a modular video titling system which, via object-orientated design, enables extensive scrolling and animation facilities.

By using a scripting board, the title incorporates automatic special effects including rotation, expansion and folding (both horizontally and vertically) of characters. Characters can be scrolled either by character, word, line or page from each of four directions at any predefined speed, both in and out of the screen.

For the first three months of release from the beginning of October, the package will cost £49.99, rising to £59.99 after that period.

For more details, phone Ian Johnson on 0443 674385.

Pad or mat?

Golden Image UK has released the two in one scanner pad and mouse mat that, according to the makers, enables the user to achieve a more accurate scan. Apparently, high quality images that usually require a full page scanner can now be done by hand alone.

Also included is a built-in ruler to help with marking up the picture and a T-Ruler to act as a guide so images may be merged together with the minimum of fuss. Golden Image is also claiming that the device can be used as a mouse mat, a holder for business cards, memos and other uses.

For more information contact Golden Image on 0181 900 9291.

HP: The next generation

Already boasting a catalogue of quality printers, Hewlett Packard is releasing two new models on to the market. The Colour LaserJet printer, retailing for the hefty price of $7,295 in the US, uses laser beam process to add colour to a document. The LaserJet runs up to 2ppm and black and white documents at 10 ppm.

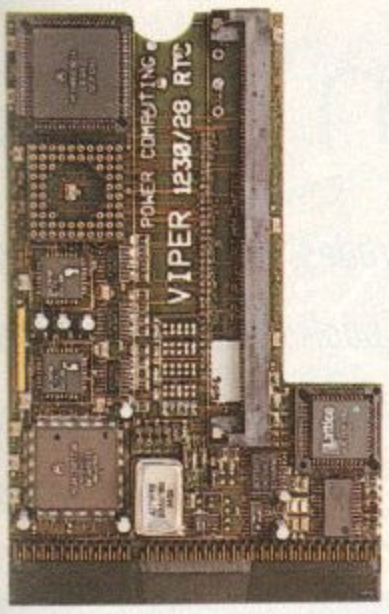
For those not wanting colour, the LaserJet 4V is the latest in the HP range that features a 33-MHz RISC processor and a 16ppm output. According to the manufacturers, the printer handles more paper sizes than before and offers a 600dpi output with Resolution Enhancement and microfine toner.

For more details, contact the HP customer information centre on 0344 369 222.



POWER COMPUTING
DESIGN *and* INNOVATION

VIPER 68030 SERIES



VIPER FEATURES

- RAM Upgradable to 128MB*
- Full Kickstart remapping**
- Optional SCSI-II adaptor
- 68882 Maths Co-processor
- On-board battery backed clock
- Instruction & Data burst modes
- Much faster than an Amiga 4000/040***

GOLD

new

*Only on Viper 33/40 **Only on Viper 28/40 ***Only on Viper 33/40

VIPER 28

Full 030 with MMU at 28MHz, FPU upto 50MHz

BARE BOARD	£149
4MB 28MHz FPU	£299
4MB 33MHz FPU	£359
4MB 40MHz FPU	£379
4MB 50MHz FPU	£395

VIPER 33

Full 030 with MMU at 33MHz, FPU upto 50MHz

BARE BOARD	£219
4MB 28MHz FPU	£369
4MB 33MHz FPU	£389
4MB 40MHz FPU	£429
4MB 50MHz FPU	£445

VIPER 40

Full 030 with MMU at 40MHz, FPU upto 50MHz

BARE BOARD	£249
4MB 28MHz FPU	£399
4MB 33MHz FPU	£419
4MB 40MHz FPU	£459
4MB 50MHz FPU	£479

CO-PROCESSORS

28MHz FPU	£25
33MHz FPU	£60
40MHz FPU	£80
50MHz FPU	£120
SCSI-II ADAPTOR	£79
8MB SIMM	£319

HIGH SPEC, LOW COST

£59.95



GOLD

XL DRIVE 1.76MB

The new XL Drive 1.76MB now comes in a brand new metal casing which is half the height of a standard external floppy drive. The XL Drive allows you to store a massive 1.76MB on a high density disk. The A4000 internal drive fits perfectly underneath the original drive, no case cutting required.

XL DRIVE 1.76MB	£59.95
XL DRIVE INTERNAL	£55.95
XL DRIVE A4000 INT.	£55.95

£99.95



SUPER XL DRIVE

The Super XL Drive is the only kind of floppy drive of its kind on the Amiga market! The innovative drive can store a massive 3.5MB on one high density floppy disk. (without compressing the file!). This drive is available from late November/early December.

new

SUPER XL DRIVE 3.5MB	£99.95
SUPER XL DRIVE INT.	£95.95

£30.95



INTERNAL DRIVES

We use the same drive mechanisms as Commodore to ensure complete compatibility.

PC881 A500 INTERNAL	£30.95
PC882 A2000 INTERNAL	£30.95
PC883 A600/1200 INT.	£35.95

ECONOMY DRIVE

The Economy drive comes with anti-click.

PC880E ECONOMY	£39.95

£49.95



GOLD

POWER DRIVES

The Power Drive is most impressive drive of its kind on the market and now includes Blitz Amiga and Floppy Expander. Floppy Expander allows you to compress files only on floppy disks by up to 50%. Other features include: Anti-click, Anti-Virus, Isolation Switch, 2 Year Guarantee, Thru'port, Cyclone Compatible Chip, Built-in Backup Hardware and Blitz Compatible.

POWER DRIVE	£49.95

AWARD *winning* PRODUCTS

44a/b Stanley St. Bedford MK41 7RW

GOLD

telephone 0234 273000

facsimile 0234 352207

All prices include VAT. Specifications and prices are subject to change without notice, all trademarks are acknowledged. Prices are valid for month of publication only. E & OE. Delivery next day £5. 2-3 days £2.50. Saturday £10. Deliveries are subject to stock availability.

Cheques payable to Power Computing Ltd

Name

Address

Postcode

Telephone

System owned

Description

Cheque/PO for £ — allow upto 7 days to clear

Credit card No.

Expiry date — Sign

CanDo goes pro

NovaTronics' CanDo has undergone a major upgrade, both in features and price. Obviously now targeted at the professional rather than the hobbyist user, CanDo 3.0 is retailing at $399.95. There's now a debugger available for the product as well, which sells separately and costs $199.95. Not the toolkit for whipping out a PD address book program, that's for sure.

There is plenty new in the upgrade though. A new main panel interface is cleaner and easier to use, with scrolling control icons and configurable hot-keys. The Object Cursor feature has knobs to control the size and location of objects, as well as a snap-to-grid alignment feature and 20 alignment tools. You can now label buttons, fields, documents, and sliders; borders on GUI objects look more professional and you can now set the fonts and colours of text fields – and tab between them.

There is better control over the look of your screens, with discrete control of screen and window attributes, screen palette and font support, and much better public screen support. Genlock support, with border and sprite management as well as 27 palette and genlock effects, makes CanDo 3.0 better suited to video work than previous releases.

Multimedia users will appreciate the 53 window and screen transition effects added in CanDo 3.0. These feature precise timing control – a three-second effect will take three seconds whether you're running on an A600 or A4000.

Brushes and BrushAnims have been made less quirky, with off-screen brush rendering and more flexible brush placement. Fifty brush effects are included, with real-time scaling and panning.

There are other improvements, such as simpler subdecks, better documentation, and the return to a free runtime Deckbrowser and library for non-commercial user. The CanDo debugger lets you watch your CanDo scripts execute, stepping through them line-by-line or setting breakpoints. You can change values as your program executes, browse objects and variables, and graph memory usage.

Upgrades from previous versions are $179.95; the debugger is $99.95 with the upgrade, or $199.95 separately.

USA news

Upgrades, video boards and books in Denny Atkin's usual visit into the world of Amiga, USA style

Moving up a peg

Pegger, the image compression system that adds Jpeg support to programs like Brilliance, Imagine, and PageStream which don't normally handle that format, has been upgraded to version 2.0.

If you missed it the first time, Pegger converts image files on the fly to save hard drive space – it can take a 24-bit IFF image and convert it to Jpeg when saved by Brilliance, then change it back to Jpeg when PageStream attempts to load it.

The biggest improvement in release 2 is in speed – it's roughly twice as fast as the original release, making it one of the fastest Jpeg systems on the Amiga. You can now Snoop files by program, allowing you to change the compression mode for different programs that may save files to the same directory.

New file formats have been added, including Imagine RGB8, IFF 8-bit color and greyscale, Jpeg greyscale, TARGA colour and greyscale, and NewTek VideoToaster CG Framestore pages. Pegger also now works over networks, such as Parnet, ENLAN-DFS, and Netware.

Registered users can upgrade for $15 US + shipping and handling. The program retails for $99.95, but Heifner is offering it for a special introductory price of $49.95 + shipping and handling.

For more information contact Heifner Communications, 4451 I-70 Drive NW, Columbia, MO 65202, USA; phone (314) 445-6163; fax (314) 445-0757. You can also e-mail Pegger@express-way.com for more info.

On the edge of time

Utilities Unlimited has promised a new video board for the Amiga before Christmas – with the company now working to finish up its Emplant PC module, I'd guess we won't see it until early '95.

Still, it looks like it will be worth the wait. Using the Cirrus Logic Alpine chip set, the board is reported to be able to serve as the first "video board emulator" – UU's Jim Drew claims it will run the software for the Picasso II, Piccolo, and EGS Spectrum graphics boards, effectively emulating them.

Drew claims PowerMacintosh video performance, with 640x480x32-bit (Alpha-Red-Green-Blue) full-screen animations running in real-time. The board will support the usual ridiculously high resolutions – how high and how many colours will depend on how much memory you add to the board. It supports up to 8MB of RAM, using two 1, 2, or 4MB industry-standard 72-pin SIMMs.

Other features will include genlock ability, Alpha channel overlays, and a blitter that can move 80 megapixels a second. Price isn't set yet, but Drew claims it will be very competitive – perhaps as low as $299 without the necessary RAM.

Capture the Net – read a book!

Connect Your Amiga! is a new 256-page book from former Commodore engineer Dale Larson that tells you everything you'll ever want to know about connecting your Amiga to other computers, whether you're using Ethernet to connect a suite of Amigas for rendering or just reaching out to the Internet using your modem.

The first chapter, "The Networks", is a brilliant introduction which covers the basics of telecommunications, BBS networks, LANs, and the Internet, providing all the basic information a novice will need without sounding condescending. Like most of Larson's book, it's sprinkled with casual, humorous remarks that help keep what could be awfully dry reading interesting and fun.

The remaining chapters go into deep detail on these topics, providing a detailed, knowledgeable overview of the programs and hardware you'll need to accomplish your network connections – all the techie details on TCP/IP, SLIP, PPP, Envoy, DECNet, SANA-II, and Ethernet, written in plain, understandable English.

New on-line users will appreciate the helpful overviews of terminal programs, compression utilities, offline readers, and fax programs. If you're jumping on the overhyped information superhighway, Larson's 33-page Internet section is a must-read. There's even a section on security and privacy that's a required read for anyone who's ever chosen their girlfriend's name as their BBS password and lived to regret it.

The book is a bargain at $24.95 plus shipping ($5 book rate, $13 Air Mail). It's available from Intangible Assets Manufacturing, 828 Ormond Ave., Drexel Hill, PA 19026-2604 USA. You can fax the company at (610) 853-3733, or email info@iam.com.

SILICA ARE NOW IN 18 BRANCHES OF DEBENHAMS
SEE BOTTOM PANEL FOR DETAILS

NEW! AMIGA CD32

CRITICAL ZONE PACK - WITH 7 CD TITLES



CRITICAL ZONE

32-BIT SYSTEM

PLUS!

7 CD TITLES

- *32-BIT POWER*
- *BUILT-IN DUAL SPEED CD-ROM DRIVE*
- *16.8 MILLION COLOURS*
- *ALSO PLAYS AUDIO CDs*
- *11 BUTTON CONTROLLER*
- *TITLES AVAILABLE FROM £19.95*
- *OPTIONAL SX1 COMPUTER MODULE* SEE BELOW LEFT
- *OPTIONAL FULL SCREEN VIDEO CD MODULE* SEE BELOW LEFT


INCLUDES CANNON FODDER

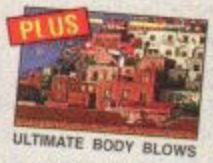

PLUS DIGGERS


PLUS LIBERATION


PLUS MICROCOSM


PLUS OSCAR


PLUS PROJECT X


PLUS ULTIMATE BODY BLOWS

MORE THAN JUST A GAMES CONSOLE . . .

WATCH MOVIES

Simply plug into the back of the CD32 console and you'll be able to play block-busting movies with digital picture and sound.



FMV MODULE CCA 0320 **£199** INC VAT

EXPECTED AVAILABILITY EARLY 1995

COMPUTER UPGRADE

Turn the CD32 into a fully functional Amiga 1200 compatible computer.



SX1 MODULE CCA 0100 **£199** INC VAT

KEYBOARD PKE 0120 **£39** INC VAT

DISK DRIVE DRI 1159 **£59** INC VAT

A COMPREHENSIVE RANGE OF GAMES

JUST SOME OF THE 100+ TITLES AVAILABLE ON CD FOR THE AMIGA CD32


ALIEN BREED/QUAK ARA 5901 - £19.99


BANSHEE ARB 1211 - £24.99


BUBBA 'N' STIX ARB 8341 - £22.99


CHAOS ENGINE ARC 4451 - £19.99


CHUCK ROCK II ARC 4631 - £24.99


DEEP CORE ARD 3031 - £14.99


ELITE 2 ARE 4041 - £22.99


FIRE AND ICE ARF 3761 - £19.99


FURRY OF THE FURRIES ARF 8321 - £24.99


GLOBAL EFFECT ARG 5421 - £24.99


INT. SENSIBLE SOCCER ARI 3981 - £19.99


LEGACY OF SORACIL ARL 2631 - £29.99


LEMMINGS ARL 2741 - £19.99


LIBERATION ARL 4321 - £24.99


MICROCOSM ARM 4341 - £34.99


PHOTOCD LIGHT ARP 3741 - £19.99


PIRATE'S GOLD ARP 4731 - £24.99


PREY ARP 5341 - £24.99

CRITICAL ZONE PACK INCLUDES:

CD32 GAMES CONSOLE	RRP	£249.99
CANNON FODDER	RRP	£29.99
DIGGERS	RRP	£29.99
LIBERATION	RRP	£34.99
MICROCOSM	RRP	£44.99
OSCAR	RRP	£29.99
PROJECT X	RRP	£12.99
ULTIMATE BODY BLOWS	RRP	£29.99
NORMAL RRP ~~£249~~	TOTAL VALUE:	£462.92

£239

INC VAT - CCD 3450

PHILIPS COLOUR MONITOR



Sharpen your output with this high quality 14" RGB & Composite, Stereo Monitor

RRP ~~£293.74~~ **£219** INC VAT

MON 8833 - Req. cable CAB 5224 £5.95

THE SILICA SERVICE

1978 SILICA 1994 — 16 YEARS — SERVICE TO YOU

Before you decide WHEN to buy, we suggest you consider WHERE to buy and protect your investment with a purchase from Silica. With our unrivalled experience and expertise, we will provide all the extra help, advice and new product information you may need both now and in the future. Visit one of our stores, or return this coupon now and begin to experience the "Silica Service".

- *ESTABLISHED 16 YEARS:* We have a proven track record in professional computer sales.
- *PART OF A £50M A YEAR COMPANY:* With over 300 staff - We are solid and reliable.
- *EXPERIENCED STAFF:* All are 'Customer Care' trained and at your service.
- *TECHNICAL SUPPORT HELPLINE:* FREE help and advice from a team of experts.
- *A FULL PRODUCT RANGE:* All your computer requirements from one supplier.
- *PRICE MATCH:* We match on a "Same product - Same price" basis.
- *FREE CATALOGUES:* With special offers and product news.
- *PAYMENT:* We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).
- *VOLUME DISCOUNTS AVAILABLE:* Business, Education and Government. Tel: 081-308 0888.
- *MAIL ORDER:* FREE DELIVERY on orders over £40+VAT. Small administration charge (£2.50 + VAT) on orders under £40+VAT.
- *STORES NATIONWIDE:* 21 stores including 18 in branches of Debenhams.

SILICA

NOW IN 18 BRANCHES OF DEBENHAMS STORES NATIONWIDE

13003009-4

MAIL ORDER 081-309 1111

PLUS TECHNICAL AND HEAD OFFICE

SILICA, SILICA HOUSE, HATHERLEY ROAD, SIDCUP, KENT, DA14 4DX

PLUS BRANCHES AT:

BRISTOL	Debenhams - (3rd Floor), St James Barton	0272 291021
CARDIFF	Debenhams - (1st Floor), St. David's Way	0222 399789
CHELMSFORD	Debenhams - (2nd Floor), 27 High Street	0245 355511
CROYDON	Debenhams - (2nd Floor), 11-31 North End	081-688 4455
GLASGOW	Debenhams - (5th Floor), 97 Argyle Street	041-221 0088
GUILDFORD	Debenhams - (3rd Floor), Millbrook	0483 301300
HARROW	Debenhams - (2nd Floor), Station Road	081-427 4300
HULL	Debenhams - (2nd Floor), Prospect Street	0482 25151
IPSWICH	Debenhams - (2nd Floor), Westgate Street	0473 221313
LONDON	Silica - 52 Tottenham Court Road	071-580 4000
LONDON	Debenhams - (3rd Floor), 334 Oxford St	071-580 3000
LUTON	Debenhams - (1st Floor), Arndale Centre	0582 21201
MANCHESTER	Debenhams - (3rd Floor), Market Street	061-832 8666
PLYMOUTH	Debenhams - (3rd Floor), Royal Parade	0752 266666
ROMFORD	Debenhams - (3rd Floor), Market Place	0708 766066
SHEFFIELD	Debenhams - (3rd Floor), The Moor	0742 768611
SHEFFIELD	Debenhams - (LL Ground), Meadowhall Ctre	0742 568555
SIDCUP	Silica - Silica House, Hatherley Rd	081-302 8811
SOUTHAMPTON	Debenhams - (1st Floor), Queensway	0703 223888
SOUTHEND	Keddies - (2nd Floor), High Street	0702 462426
THURROCK	Debenhams - (1st Floor), Lakeside Centre	0708 860066

To: Silica, AMCOM-1294-211, Silica House, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND ME A FREE COLOUR CATALOGUE

Mr/Mrs/Miss/Ms: ..... Initials: .....

Surname: .....

Company (if applicable): .....

Address: .....

..... Postcode: .....

Tel (Home): .....

Tel (Work): .....

Which computer(s), if any, do you own?

.....

211G

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

The retailers revenge



Strong words from across the counter as Byran Cobley puts computers in their place!

Let's get provocative and start with some commonly overheard quotes and their true meanings. "My Johnny can do anything with a computer!" meaning, he can wiggle a joy-stick and zap a few aliens.

"I don't know anything about computers!" meaning, I want to talk to you for hours, pick your brains, buy nothing then leave – still knowing nothing about computers.

Now let's get provocative and depressed at the same time. I was thinking the other day about what makes me angry? Do customers make me angry? No, I get frustrated by customers sometimes.

You know, customers who ring, insist on talking to the managing director and say: "Here! I ordered 100 disk labels and one was torn so I only got 99. I want another label and compensation for the cost of this phone call."

What would he have done if he had got 103 labels? I ask myself. Ah well, send him another 10, just to be on the safe side.

What makes me really angry though is ignorance. I mean, just look to the future. The next generation are going to have some tough questions to face. Questions like "Should it be real or should it be virtual?"

I'm concerned about the way computers are affecting our lives. We are becoming more insular, less jovial, more politically correct, more boring, more predictable and more machine like as time goes by.

People don't seem to feel or even care much these days. What's happening to personality and individuality? It's being zapped by Johnny that's what!

It won't be long before we have standardised responses and standardised procedures for day-to-day living. Woe betide the poor bugged personality whose output responses do not conform to these standards.

An incorrect response could lead to a prison sentence in the years to come! Look at America where so called sexual harassment at work has lead to procedures on how to conduct yourself with colleagues in order to avoid potential million dollar lawsuits.

How awful to have to inhibit our natural self expression, whatever our gender, in order to conform to some intangible, impersonal, meaningless and politically correct rubbish.

"It's not computers that are doing this" I hear you say. No. But they are making an enormous contribution to the standardisation of our lives.

Your credit rating, job, income, health, buying and spending habits, sexual habits, status, political views, genetic fingerprints, bank details, marriage and ability to conform, in fact all things needed for a standardised behavioural society are either in place on computer databases or soon will be.

You people interested in computers and buying this magazine; are you not even a little bit concerned? No. I bet you're thinking "Who is this nut?"

So why are computers so important? Why can't we live without them. More important, are computers addictive, destructive or maybe even evil? We don't even think about it, do we? That's what makes me really angry.

We take things for granted. Faster, more powerful and more productive. Someone asked me the other day: "What do you use your computer for?" What a daft question. I use it for lots of things. Things like, er, let me think erm.....anyway that's not the point.

The point I am making is that like the guy who gets a job, to earn money, to buy a car to get him to work, to earn money to repair his car, so he can get to work to... I sometimes think we are going around in circles and have lost something fundamental from our lives because we are dizzy.

It is said that a fanatic is a guy who doubles his effort when he has forgotten his aim, and the computer world is getting fanatical about computers.

Slow down guys. Computers aren't important. They're fun-to-use tools of enormous benefit if we didn't take it all so seriously. Well, most of us guys in the business take it all too seriously. How about you?

Bryan Cobley
Head honcho
First Computer Centre

If you fancy giving Bryan a taste of his own medicine feel free to write in. We'll print the best of the bunch in the next issue – *Ed.*

The AC team

EDITOR Paul Austin
TECHNICAL EDITOR Steve White
ART EDITORS Tym Lecky, Terry Thiele
NEWS EDITOR Adam Phillips
PRODUCTION EDITOR Judith Chapman
STAFF WRITERS Jonathan Maddock, Tina Hackett, Gareth Lofthouse, Dave Cusick
ADVERTISING MANAGER Simon Lees
AD SALES Jane Normington
AD SALES Sue Horsefield
AD PRODUCTION Barbara Newall
MARKETING MANAGER Lucy Oliver
PRODUCTION MANAGER Sandra Childs
SYSTEMS MANAGER David Stewart

CIRCULATION DIRECTOR David Wren
COMMERCIAL DIRECTOR Denise Wright
DISTRIBUTION COMAG (0895) 444055
SUBSCRIPTION 051-357 2961

Member of the Audit Bureau of Circulations
ABC 54,305
July-Dec 1993

Published by Europress Publications Ltd.
Europa House, Adlington Park,
Macclesfield SK10 4NP
Tel: 0625 878888
Fax: 0625 850652

CHAIRMAN Derek Meakin
MANAGING DIRECTOR Ian Bloomfield

We regret *Amiga Computing* cannot offer technical help on a personal basis either by telephone or in writing. All reader enquries should be submitted to the address in this panel for possible publication.

Amiga Computing is an independent publication and Commodore Business Machines Ltd are not responsible for any of the articles in this issue of for any of the opinions expressed.

©1994 Europress Publications Ltd. No material may be reproduced in whole or in part without written permission. While every care is taken, the publishers cannot be held legally reponsible for any errors in articles, listings or advertisements

europress PUBLICATIONS

For six years *Amiga Computing* has been the leading magazine for Amiga enthusiasts. As a key member of the Europress magazine group, *Amiga Computing* promises to inform, educate and entertain its readers each month with the most dedicated coverage of the Amiga available.

12 issue subscription £39.95 9UK0, £54.95 (EEC) £74.95 (World)
Ongoing quarterly direct debit: £8.49 (UK only)

Printed and bound by BPC magazines (Carlisle) Ltd
A member of the British Printing Company Ltd

MODEMS

Top quality feature packed fax-modems at amazing prices! All modems include a cable to connect the modem to the Amiga, NCOMM3 software, beginners guide to Comms disc and an 80 page manual. All modems include MNP 2 - 4 error correction, MNP 5 data compression and are FAX Class 1 & 2 Group 3 compatible.
Please telephone for a full specification sheet.

Speedcom+B 14400 modem £134.99
Speedcom+Et 19200 modem £174.99
Speedcom+Bf 28800 modem £224.99
GP FAX software £39.99

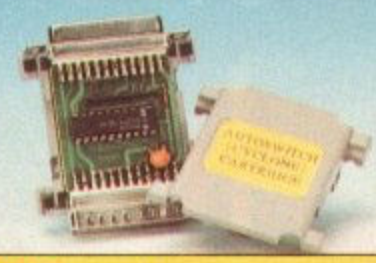


SUPER LOW PRICES

X-BACKUP PRO

The most powerful disc back up system for the Amiga. Includes the unique Autoswitch Cyclone Cartridge (requires an external discdrive) that will enable you to back up virtually any floppy disc onto another floppy disc. Will also back up hard drives and includes a full file management system and dozens of excellent disc tools.

FULL MONEY BACK GUARANTEE:- If at the time of purchase you can find a more powerful disc back up utility, we will refund your money!



£39.99 (plus £1.00 for postage and packing)

Excite your Amiga

siren

No.1 for mail order

SALES HOT-LINE
FREEPHONE
0500 340548
ENQUIRIES: **061 796 527**
FAX: **061 796 3208**

FREE VIDEO & STAKKER with every drive

HARD DRIVES

Our high speed 2.5' hard drives for the Amiga A600 & A1200 computers come complete with fitting cable, screws, partitioning software and full instructions and 12 months guarantee. They come already partitioned with Workbench installed for immediate use. We offer free fitting for personal callers.

30mb £109.99 **170mb £224.99**
60mb £129.99 **258mb £264.99**
80mb £149.99 **344mb £299.99**
120mb £189.99 **540mb £449.99**



FREE

' HOW TO FIT YOUR HARD DRIVE' video and Stakker disc to increase the drives capacity with every drive,

Amiga A1200 only **£275** if purchased with a hard drive. Price includes fitting. A500/A1500 hard drives also available. Interface is only **£99.99.**



4mb only £169.99

MEMORY EXPANSION

A1200 4mb Memory accelerator with battery backed clock. Simple trap door fitting. Almost doubles the speed of the A1200. Zero wait state 32 bit wide Fastram. **£169.99.**
Expandable Memory accelerator with clock and FPU socket. This memory accelerator can be expanded from 2mb to 8mb and also have a Floating Point Unit fitted.

2mb £129.99. **20mhz FPU £39.99.**
4mb £189.99. **40mhz FPU £79.99.**
8mb £329.99. **50mhz FPU £119.99.**



CLOCK CARTRIDGE

The clock cartridge will enable your Amiga to continually store the correct time and date in its own battery backed memory. Simply plugs onto the back of the Amiga and does NOT invalidate the warranty.



NEW! ONLY £19.99

ALSO AVAILABLE

A1200 CD ROM Drive
£194.99
Viper 68030 Turbo Accelerator
£169.99
A1200 3.5 hard drive fitting kit
£17.50
A1200 Computer
(Race & Chase pack)**£289.99**

MONITORS

Excellent quality monitors for a superior picture quality with reduced eye strain.
Sharp 14' TV/Monitor
£174.99
Philips 8833 mk II monitor
£249.99
Microvitec 1438 monitor
£288.99



SOUNDBLASTER

The SOUNDBLASTER is a superb stereo amplifier that comes complete with 50 WATT high quality 3 way speakers,power supply and free stereo headphones. The SOUNDBLASTER adds a new dimension to games playing with its stunning stereo sound.

50 watt speakers



NEW LOW PRICE £34.99
(plus £5.00 for postage and packing)

DELUXE FLOPPY DISC DRIVE

Top quality, silent, 'Cyclone Compatible' 3.5'drive. Features long reach cable, on/off switch and thru connector.**£54.99** Internal replacement drives A500/A500+ **£44.99** A600/A1200 **£44.99.** 3.5' discs Supervalue bulk packed or branded discs 3.5' DSDD discs.

QTY	Bulk	Branded
10	£4.25	£5.25
25	£10.99	£11.99
50	£19.99	£21.99
100	£36.99	£41.99
200	£68.99	£78.99
500	£167.99	£189.99



PRINTERS

These superb CITIZEN printers have a two year guarantee and come complete with a printer cable, paper and printer drive (if available).

ABC mono
£139.99
ABC colour
£154.99
Tractor feed unit for ABC printer
£27.99
Swift 200 colour
£180.99
Swift 240 colour
£217.99
Projet 11
£213.99



No.1 for Amiga in Mancheste

Order **NOW** for immediate despat

FREEPHONE
0500 340548
(for credit card sales only)

061 796 5279 for enquir
or fax **061 796 3208**

Open **9am to 6pm**
Monday to **Friday.**
Thursdays until **8pm**
Saturday mornings
9am to 12pm.

Access, Visa & Switch accepte
Send cheques
(made payable to Siren Softwar
Postal Orders
or credit card details to :-

Siren Software,
178 Bury New Road,
Whitefield,Manchest
M45 6AF England

Personal callers welcome.
Please phone first to check availability of any item.

Directions

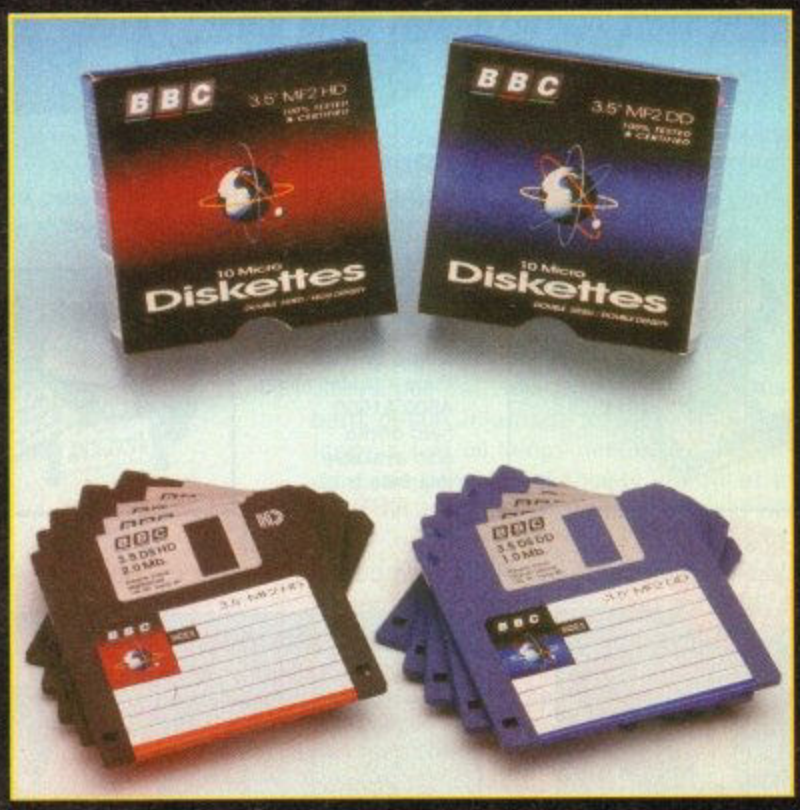
From M62 junction 17, head towards Bury. We are 50 yard on the right after the third set c traffic lights.

All prices include VAT. postag and packing will be charged a £3.50 per order (U.K.), £7.50 Europe and £12.50 rest of the World.

£3.00 CASH BACK WITH ANY PACK PURCHASED FROM

PC WORLD

THE COMPUTER SUPERSTORE



To support the launch of BBC floppy diskettes simply purchase any type of ten pack from PC World Superstores, send your receipt and this advert to:

Strand Europe Ltd,
Blackbushe Business Park, Yateley,
Camberley, Surrey GU17 7GE.

and we will send you
a cheque for £3.00

Offer ends 31/1/95

Not in conjuction with any other special offers.
Only one redemption per pack purchased.

SILICA ARE NOW IN 18 BRANCHES OF DEBENHAMS
SEE BOTTOM PANEL FOR DETAILS

QUALITY PERIPHERALS FOR THE AMIGA

AMITEK

FRIENDLY TECHNOLOGY

Designed to bring you high quality and performance at affordable prices, Amitek peripherals offer outstanding value-for-money. They are built to ensure easy fitting and trouble free operation - making them a pleasure to use. Amitek products are also thoroughly tested and very reliable, so reliable that we are pleased to offer a full two year warranty on the Amitek products detailed here.

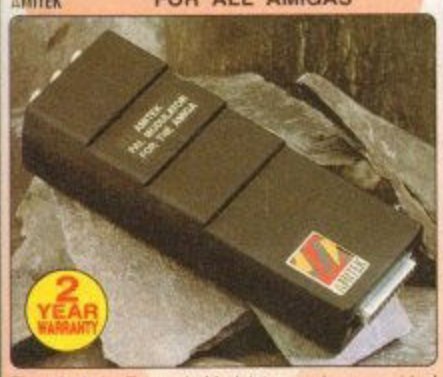
RAM UPGRADES

AMITEK FOR A500/A500PLUS/A600 - 2YR WARRANTY

CODE	DESCRIPTION	INC VAT
RAM 0505	A500 - 512K (No Clock)	£20
RAM 0510	A500 - 512K (With Clock)	£25
RAM 0520	A500PLUS - 1Mb RAM	£30
RAM 0605	A600 - 1Mb (No Clock)	£30
RAM 0610	A600 - 1Mb (With Clock)	£40

MODULATOR

FOR ALL AMIGAS



The Amitek External Modulator makes an ideal replacement modulator for all Amiga owners. Everything needed is supplied. Like all Amitek peripherals, it comes with an easy to follow manual.

- User friendly manual included
- High quality design
- FREE RF cable supplied

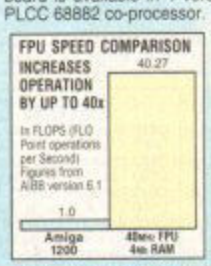
MODULATOR
£34
INC VAT - MOA 4200

HAWK RAM UPGRADE & MATHS ACCELERATOR OPTIONS

FOR THE AMIGA 1200



Maximise the processing power of your standard A1200. Be ready for the new generation of software which makes more demands on Amiga memory and technology. The Amitek Hawk RAM expansion includes up to 8Mb fast 32-bit RAM, the ability to support an optional, sophisticated 68882 FPU (Floating Point Unit - drastically increases the speed of maths intensive operations - e.g. in applications such as Lightwave 3D) and a battery backed up clock. Built to a high standard, this board can be easily installed and comes with a 2 year warranty. The Hawk RAM board is available in 4 versions, each with the option of either a 33MHz or 40MHz PLCC 68882 co-processor.



INSTALLATION OF A HAWK RAM BOARD INCREASES A1200 SPEED BY UP TO 3x

- Plugs straight into A1200 trapdoor - No soldering required
- Upgradeable FAST RAM board to 1, 2, 4 or 8Mb
- Uses industry standard socketed SIMMs for easy upgrades
- Optional Floating Point Unit - 33MHz or 40MHz PLCC 68882 co-processor
- Comprehensive manual with illustrations
- Works with all A1200 and A1200HD computers
- Does not invalidate your A1200 warranty
- 2 year warranty

AMITEK HAWK RAM UPGRADE BOARDS

1Mb No RAM FPU	2Mb No RAM FPU	4Mb No RAM FPU	8Mb No RAM FPU
£99	£129	£189	£329

OPTIONAL FLOATING POINT UNITS
Available with above RAM upgrade boards

33MHz PLCC FPU + CRYSTAL	£59
40MHz PLCC FPU + CRYSTAL	£99

PRICES FROM ONLY
1Mb RAM, NO FPU
£99
INC VAT - RAM 1210

1Mb SONY 3½" DELUXE FLOPPY DRIVE

FOR ALL AMIGA COMPUTERS



'Amitek's new disk drive combines an elegant design, high build quality and smooth performance in a very affordable package. Highly recommended'. Jason Holborn - Leading Amiga Journalist

DELUXE FEATURES

The Amitek drive has many deluxe features not included in other drives - check out the competition!

ANTI-CLICK

This feature stops your drive making whirs and clicks when the drive is empty and searching for a disk.

ANTI-VIRUS

This switchable mode stops track 0 viruses infecting the disk while in the drive. Unlike many other drives which have virus killers, this mode can be disabled, allowing some fussy copy protected software to run.

ADD MORE DRIVES

The Amitek drive is also daisy-chainable, so you can add further drives to your system, using very little power from your Amiga.

QUALITY SONY MECHANISM

Amitek took the time to source a mechanism that has all the features, quality and reliability that Amiga owners demand.

Details taken from models available MARCH '94	ANTI-CLICK	ANTI-VIRUS	ROBUST STEEL CASE	QUALITY SONY MECHANISM	TOP RATED CU-AMIGA MAY '94 90%	2 YEAR WARRANTY
AMITEK	✓	✓	✓	✓	✓	✓
CUMANA	–	–	–	–	–	–
ZAPPO	–	–	✓	–	–	–

- HIGH QUALITY 3½" SONY MECHANISM
- STRONG METAL CASING
- BUILT-IN ANTI-CLICK FEATURE
- SWITCHABLE ANTI-VIRUS MODE
- ENABLE/DISABLE SWITCH
- 75MS ACCESS TIME
- DAISY CHAINABLE VIA THRU PORT
- LOW POWER USAGE
- EXTERNAL PSU NOT REQ'D
- 2 YEAR WARRANTY

EXTERNAL DRIVE
£59
INC VAT - DRI 1159

1Mb INTERNAL FLOPPY DRIVES

FOR AMIGA 500/500PLUS & AMIGA 600/1200

These internal Amitek replacement drives are ideal for users who wish to replace their existing internal drive.

The packs feature a high quality internal 1Mb 3½" drive mechanism for the Amiga 500/500PLUS or Amiga 600/1200. All you need to fit your drive is included, plus easy to follow fitting instructions and 24 months warranty.



A500/A500PLUS
INTERNAL DRIVE
£34
INC VAT - DRI 3600

A600/A1200
INTERNAL DRIVE
£44
INC VAT - DRI 3605

FUSION GENLOCK

FOR ALL AMIGA COMPUTERS



- Input and Output Composite Video Signals
- Switch between, Video ONLY, Computer ONLY and Mixed Outputs
- Hardware Fade to fade away the level of Overlay/Video
- RGB Thru - Not Genlocked

2 YEAR WARRANTY

GENLOCK
£99
INC VAT - VID 2199

THE SILICA SERVICE

SILICA 1978 16 1994 YEARS SERVICE TO YOU

Before you decide WHEN to buy, we suggest you consider WHERE to buy and protect your investment with a purchase from Silica. With our unrivalled experience and expertise, we will provide all the extra help, advice and new product information you may need both now and in the future. Visit one of our stores, or return this coupon now and begin to experience the "Silica Service".

SILICA

NOW IN 18 BRANCHES OF DEBENHAMS STORES NATIONWIDE

- **ESTABLISHED 16 YEARS:** We have a proven track record in professional computer sales.
- **PART OF A £65M A YEAR COMPANY:** With over 300 staff - We are solid and reliable.
- **EXPERIENCED STAFF:** All are 'Customer Care' trained and at your service.
- **TECHNICAL SUPPORT HELPLINE:** FREE help and advice from a team of experts.
- **A FULL PRODUCT RANGE:** All of your computer requirements from one supplier.
- **PRICE MATCH:** We match on a "Same product - Same price" basis.
- **FREE CATALOGUES:** With special offers and product news.
- **PAYMENT:** We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).
- **VOLUME DISCOUNTS AVAILABLE:** Business, Education and Government. Tel: 081-308 0888.
- **MAIL ORDER:** FREE DELIVERY on orders over £40+VAT. Small administration charge (£2.50+VAT) on orders under £40+VAT.
- **STORES NATIONWIDE:** 21 stores including 18 in branches of Debenhams.

MAIL ORDER 081-309 1111

PLUS TECHNICAL AND HEAD OFFICE

SILICA, SILICA HOUSE, HATHERLEY ROAD, SIDCUP, KENT, DA14 4DX

PLUS BRANCHES AT:

BRISTOL	Debenhams - (3rd Floor)	St James Barton	0272 291021
CARDIFF	Debenhams - (1st Floor)	St. David's Way	0222 399789
CHELMSFORD	Debenhams - (2nd Floor)	27 High Street	0245 355511
CROYDON	Debenhams - (2nd Floor)	11-31 North End	081-688 4455
GLASGOW	Debenhams - (5th Floor)	97 Argyle Street	041-221 0088
GUILDFORD	Debenhams - (3rd Floor)	Millbrook	0483 301300
HARROW	Debenhams - (2nd Floor)	Station Road	081-427 4300
HULL	Debenhams - (2nd Floor)	Prospect Street	0482 25151
IPSWICH	Debenhams - (2nd Floor)	Westgate Street	0473 221313
LONDON	Silica	- 52 Tottenham Court Road	071-580 4000
LONDON	Debenhams - (3rd Floor)	334 Oxford St	071-580 3000
LUTON	Debenhams - (1st Floor)	Arndale Centre	0582 21201
MANCHESTER	Debenhams - (3rd Floor)	Market Street	061-832 8666
PLYMOUTH	Debenhams - (3rd Floor)	Royal Parade	0752 266666
ROMFORD	Debenhams - (2nd Floor)	Market Place	0708 766066
SHEFFIELD	Debenhams - (3rd Floor)	The Moor	0742 768611
SHEFFIELD	Debenhams - (L.Ground)	Meadowhall Ctre	0742 568555
SIDCUP	Silica	- Silica House, Hatherley Rd	081-302 8811
SOUTHAMPTON	Debenhams - (1st Floor)	Queensway	0703 223888
SOUTHEND	Keddies	- (2nd Floor) High Street	0702 462426
THURROCK	Debenhams - (1st Floor)	Lakeside Centre	0708 860066

To: Silica, AMCOM-1294-213, Silica House, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND ME AN AMIGA CATALOGUE

Mr/Mrs/Miss/Ms: ..... Initials: .....

Surname: .....

Company (if applicable): .....

Address: .....

.....

.....

.....

..... Postcode: .....

Tel (Home): .....

Tel (Work): .....

Which computer(s), if any, do you own?

.....

213G

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

Associate Company of N.A.U.G.

ACTIVE SOFTWARE

Dept AC6, P.O. Box 151, Darlington, County Durham, DL3 8YT
Tel/Fax: (0325) 352260 **Internet: bux8@unn.ac.uk**

Public Domain Prices

Public Domain Prices		Disk Pack Prices	
All Public Domain	99p	1 Disk Pack	£0.99
		2 Disks Pack	£1.99
		3 Disks Pack	£2.99
Postage on all orders	50p	4 Disks Pack	£3.99
Catalogue Disk	50p	5 Disks Pack	£4.99
		6 Disks Pack	£5.99

For Every 10 Disks you Purchase Choose Another FREE!

GREATEST AND LATEST UTILITIES

U065 SLIDESHOW GENERATOR
Create your own slideshows with this program.
U076 WB3 HD INSTALL DISK (WB3)
Prep, format and install WB to your Hard Drive.
U108 PC <> AMIGA v2.3
A set of tools for Amiga and PC owners. Copy, transfer, edit and back-up PC files.
U132 C64 EMULATOR v3 (2D)
The latest version of the C64 emulator.
U184 A600 HD INSTALL DISK
Install a hard disk on your A600.
U230 TOOLS DAEMON V2.1 (WB2+)
Adds tools to your Workbench Menu.
U239 RE-ORG v3.11 (WB2+)
Re-organise your disks/hard disk and speed up access. Very popular utility.
U251 PC-TASK v2.03 (W2+)
A demo of the excellent PC emulator. Load PC programs directly from the emulator.
U289 AGA SCREEN BLANKER v1.01
A screen blanker created for AGA machines.
U302 VIEWTEK v2.01 (WB2+)
Viewtek can show many picture formats including JPEG and the AGA screen modes.
U309 HD GAMES INSTALLER
Install games to your Hard Drive. Installers for Goal, Superfrog, Body Blows and more.
U316 DMS PRO v2.03 (WB2+)
Crunch disks into Amiga DOS files. Crunch two disks onto one! The tool the magazines use.
U317 ACTION REPLAY PRO (AGA)
Action Replay for the A1200/A4000.
Rip songs, grab pictures, load in cheat codes!
U319 SID PRO v2.01A (WB2+)
The greatest PD File Manager: Copy, move, delete, rename, uncrunch and crunch files.
U325 EDWORD PRO V4.1 (1Mb) (WB2+)
The ultimate PD Word Processor/Text Editor.
U326 TEXT PLUS V5.01 (2MB) (WB2+)
Another PD Word Processor. This rivals Pro Text.
U336 EPOCH MASTER V (WB2+)
Address, telephone manager and to-do organiser.
U339 ENGINEER PRO TURBO v1.0
Rip modules and samples from the best demos.
U341 VIDEO TRACKER DATA (4 D)
Collection of data disks for use with Videotracker. Vidules, sounds, animations, routines and more!
U352 MAGIC WB v1.2P (WB2+)
The lastest version of the 8-colour icon replacer.
U353 X-PASSWORD (WB2+)
Prevent un-authorized use of your Amiga and drives.
U354 RADBENCH v1.7 (1.5MB)
This disk copies Workbench to your RAD disk which offers lightning access times.
U355 STEREOSCOPE v2.4A (WB2+)
Stereoscope is an RDS generator. Create the 3D hidden pictures, as seen in stores, such as 'Athena'.
U357 CD32>CDROM GAMES
Make the games on magazine CD's work on CDTV/A570 and other Amiga CD devices.
U359 TELETEXT v1.20 (WB2+)
Create a teletext receiver with your Amiga. Including diagrams for hardware construction.
U363 XPK PACKAGE v2.5 (WB2+)
Expand your Hard Drive capacity with this program.
U370 ASSIGNS MANAGER (WB2+)
No need to use CLI any more. There are two programs on this disk that make assigning programs and utilities easy.
U371 PC RESTORE v2.50 (WB2+)
Restore PC back-up files onto your Amiga. An additional tool for all PC and Amiga owners.
U376 POWERCACHE v37.115 (WB2+)
Speed up your Hard Drive access with this cache program. Versions for 00, 020, 030 and 040 CPUs.
U379 DESKTOP MAGIC v2.0 (WB2+)
This program allows you to assign sounds to Workbench functions like mouse clicking etc. It is also an excellent screen blanker.
U395 MAGIC WB EXTRAS (2 Disks)
Loads of Magic WB extras: Icons, backdrops etc.
U397 SECURITY v3.71e (WB2+)
Prevent unauthorised access to your Amiga and its drives. Ideal for modem users!
U398 AMIGA FAX DEMO v1.40 (WB2+)
A demo version of an Amiga fax program.
U399 FORECASTER v2.01b (WB2+)
Forecast the results for the pools coupon.
U401 SPECTRUM EMULATOR v2
Play Spectrum games on your Amiga. There are versions for the 00 and 020 processors.
U402 HD CLICK v2.7 (WB2+)
Access programs with an easy to use menu.
U403 DISK MAG CREATOR v1.21
Create your own disk magazine!
U405 M.U.I. v2.2 (WB2+)
Magic User Interface: Create G.U.I.'s. Improve your Workbench even further.
U406 GBLANKER v3.3A (WB2+)
Superb screen blanker. The best available in PD. Loads of different modules such as puzzle.
U407 GBLANKER v3.3A 030 (WB2+)
030 version of the Screen Blanker.
U408 DISK SALV v2.31
This is the best disk/file repairer in the Public Domain. Undelete/salvage files and repair disks.
U409 BOOT X v5.23B + v1.18 (WB2+)
Superb, easy to use, virus killer with the very latest recog file. Recog file released August.
U411 SUPERDARK v2.1A (WB2+)
Superdark is a powerful screen blanker.
U414 DISK MANAGER v4 (WB2+)
Catalogue the contents of your disks.
U415 GAME WARPER v1 (020 Processor+)
Game Warper contains many ready-to-go game cheats as well as a Action Replay cheat input ability.
U416 AMIGA DOS GUIDE v1
Learn how to use your Amiga and DOS.
U417 RELOKICK v1.41 (WB2+)
Latest version of the degrader. Essential.
U418 VIRUS CHECKER v6.43
Latest version of the popular virus checker.
U420 ACCOUNTS MASTER v3C (WB2+)
Keep track and control of your finances.
U421 PAINT IT! Verson 2 (WB2+)
Another great kid's paint program.
U423 PROGRAM LOADER
Access your utilities, games etc from your hard drive. Similar to HD Click in action.
U424 VMM v2.0 (WB2+) (030/040)
Use your hard disk as virtual memory.
U425 VARKS CLI TOOLS v6
Another superb collection of CLI utilities. Loads of useful tools packed on one disk.
U427 ROM SWITCHER PROJECT
Construct a ROM switcher for your 1.3 Amiga. You can have WB2 and 1.3 on your Amiga.
U428 PICTURE PACKER
Crunch ILBM pictures by up to three quarters!
U429 VIDEO TEST SYSTEM (WB+) (2D)
The video tester will test your Amiga video images.
U432 VIRTUAL WORLDS (WB2+)
WOW. This is a 3D isometric atmosphere which allows you to move around 3D objects. Get this!
U433 FINAL WRAPPER
Create twirls and text effects with Final Writer.
U434 EAGLE PLAYER v1.6 (WB2+) (2D)
Eagle player can load and play a myriad of music modules such as Octamed and Protracker.
U435 MOVIEGUIDE v2.04 (WB2+) (2 Disks)
This contains loads of catalogued movies.
U436 TERM v4.1 (WB2+) (3 Disks)
Very latest version of the most powerful Modem program available. If you've got a modem - get this!
U437 TERM v4.1 030 (WB2+) (3 Disks)
The 030 processor version of TERM v4.1.
U438 256 COLOUR AGA ICONS (AGA)
Loads of excellent AGA icons. Over 18s only.
U439 AUTO STEREOGRAM v2D (WB+)
Latest version of the hidden picture producer.
U440 SNOOPDOS v3 (WB2+)
Use Snoopdos to monitor program activity. Very useful for all Amiga users. Background utility.
U441 MORE MAGIC WB EXTRAS 2 (2D)
These two disks contain loads of backgrounds and icons for every Magic Workbench user.
U442 IMAGE STUDIO v1.01 (WB2+)
Edit and convert Amiga IFF images.

VIDEOTRACKER DATA DISKS
Four data disks for your Videotracker coverdisk. Loads of useful accessories.
Anims, Anim brushes, Backgrounds, Brushes, Colours and Colour Faders, Fonts, Landscapes, Modules, Objects, Pictures, Routines, Text, Vectors, Vidules.
[4 Disks] only £3.96

CHEAT LISTER v3.05
Have you ever wanted a cheat for an old game but have never been able to find it? Well this two disk set contains cheats for many, many old and new games. In Amiga Guide format this is a must for all games players! Exclusive to Active!
[WB2+] [2D] only £1.98

AGA SPECTRUM EMULATOR
Now there is a Spectrum Emulator for all AGA machines. This is so much faster than previous versions.
You can even program the emulator in the same way as a normal Spectrum!
For AGA machines only 99p!

EPU DISK STAKKER v1.70
EPU Disk Stakker is a program which can compress your hard disk and save you up to 50%. Comes with a graphical, easy to use, installer device, with online help.
v1.70 also contains a un-installer!
Buy it now and double your hard disk!
[WB2+] only 99p!

PROFESSIONAL DISK PACK COLLECTION

FILE MANAGERS
It is easy to lose track of your files or to copy a program to the wrong directory! No need to use the CLI, these programs make file copying, organising and deletion easy!
Filer v3.4
MTool v2
AF Copy v3.53
File Master v2
ABC Dir v3
DIR Work v1.62
and others!
3 Disks WB2+

KIDS STUFF volume 1
A collection of games, paint and educational programs which are all compiled for all kids under 10 years of age. Ideal for holidays and the long weekends.
Loads of Different Games
Educational Programs
Paint Programs
Kid's Clipart
and many other programs

3 Disks WB2+

SMALL BUSINESS PACK v2
The small business professional pack will help the proprietor with accounts, forward planning, spreadsheet work, word processing and many other day to day commitments.
Also includes documents on various topics such as:
Preparing a Business Plan
Small Business Strategy
Essential Marketing
Finding External Finance
Surviving the First Year

6 Disks WB2+

MOST USEFUL UTILITIES V2
This pack contains utilities to improve your workbench in terms of speed, usability and looks. Do you want your Workbench to look like the pictures in Amiga magazines? Well, now you can! Contains:
Tools Daemon v2.1
Magic Workbench Icons
GBlanker v3.30 Screen Blanker
Magic Menu v1.9
ARQ
Magic File Requester
and many others!
2 Disks WB2+

HARD DRIVE TOOLS v2
A three disk collection containing the very best hard disk tools. We have scoured our library, other hard disk compilations and the Aminet to bring you clickable menus, backup programs, file managers, disk lockers, installers and much much more. An essential purchase for all hard disk users.
HD Click v2.60
ABackup v4.06
Superlock
HD Installer v1.04
AF Copy v3.53
MR Backup Pro
HD Mem v1.04
ARestaure v2.03
and many others!
3 Disks WB2+

COMMS CONNECTED
Have you bought a modem lately? Are you looking for some decent comms software? Well, this pack contains some of the best software available. Also includes comms info.
N-Comm v3
Terminus v2.0C
Term v4.1
Mosaic v2.1
Amiga Fax v1.40
TCP Network
Spot v1.30
Trapdoor v1.84
Guide to Comms
Guide to the Internet
8 Disks WB2+

DISK UTILITIES V2
This is an essential pack for all Amiga owners, Disk copiers, repairers, crunchers, organisers, file management and more.
Here are some of the tools in the pack:
Disk Salv v2.28
Re-Org v2.3
Super Duper v3.1
Filemaster II
Disk Mate v4
Fix Disk v1.2
PP MiniCrunch v1.2
No Errors v1.3
and many others!
2 Disks WB2+

ENGINEER'S TOOLKIT
A collection of diagnosis utilities which will examine and test your Amiga and its ports. Very comprehensive fault testers.
Also in this collection are tools to repair certain faults.
An all in one Repair Toolbox!
2 Disks WB2+

CRUNCH MANIA
When compiling disks one important tool is the file cruncher, in order to improve disk space. This disk has them all: Crunch files, floppy disks and even expand your hard disk!!
DMS Pro v2.02
LHA Tools
PP Minicrunch v1.2
EPU HD Stakker v1.4
PackIt v1.18
and others!
CRUNCH
2 Disks WB2+

MUSIC CREATORS *volume 2*
A complete collection of tools to allow you to create your own songs: Sequencers, samples, modules, music guides and info and also makes your own sampler/midi interface!
With Hardware Diagrams and Instructions!
Octamed v2
SuperSound v2
Protracker v3.15
4 Disks of Sound Samples
1 Disk of Modules
Documents
Tutorials
Help
and much more!
8 Disks WB2+

VIRUS EXTERMINATORS v3
We should always be on the guard for new or old computer viruses. This pack contains the very latest in virus killers. They will hide in the background or stay resident in the foreground, checking your memory and disks when inserted. A must!
Virus Checker v6.43
Boot X v5.23B
with latest v2.18 Brain File
Virus Workshop v3.90
Virus Z II v1.09
2 Disks WB2+

COPIERS UNLIMITED
A collection of the finest PD disk copiers for the Amiga. All the best are here, including:
Superduper v3.1
SAFE II
D Copy v3.1
Tetra Copy
MCopy v1.4
and others!
2 Disks WB2+

Latest Demos

D055 Spaceballs "State of the Art"
D067 A1200 "Point of Sale" Demo AGA
D068 Madonna SEX Digi-Pics (3 disks)
D095 Spaceballs "9 Fingers" (2 Disks)
D099 Complex "Origin" AGA (2 Disks)
D100 Virtual Dreams "Full Moon" AGA
D102 Xanadu "Explicit 2" AGA
D104 Rednex "Empty Head" AGA
D109 Investation "Ray World" AGA (3 Disks)
D112 Axis "Big Time Sensuality" AGA (2D)
D113 Kefrens "Interchange" AGA
D114 Lymex "Wind it up"
D115 Mystic "Vital" AGA
D117 Perspex "Hypnosis" AGA (2 Disks)
D122 Complex "Real" AGA
D125 Ram Jam "Taste the Diff..." AGA (2D)
D127 Oxygene "Cuzco"
D128 Mina Omistan AGA
D130 Virtual Dreams "Love" AGA (2 Disks)
D131 TRSi "Viktoria" Music Disk (2 Disks)
D132 Absolute "Cream" AGA
D133 Steller "Mindflow" AGA
D135 Polka Bros. "Ariel Ultra" AGA
D136 Polka Bros. "Gevalia"
D137 Logic "Transcentral World" (3 Disks)
D138 NGC "Artificial Paradise" AGA (2 Disks)
D139 Rednex "Quackbusted II"
D140 Recall "Rave Music" (2 Disks)
D141 Analogy "Sub.I" AGA (4 Disks)
D142 Rage "Maximum Overdrive II" AGA (3D)
D143 Parallex "Drool This" (3 Disks)
D144 Faculty "Lethal Dose 2" AGA (2 Disks)
D145 CCCP "Rave" - Like "State of the Art"
D147 Virtual Dreams "Breath Taker" (5 Disks)
D148 Urban "Some Justice 94" AGA (2 Disks)
D149 Mystic "ILEX" AGA
D151 Digital Dreams "Seventh Heaven" AGA
D152 Movement "Mind Divistan" AGA
D153 Complex "Seduction" (2 Disks)
D154 Spaceballs "The Superano Tapes"

Games

GM11 Megaball AGA
GM12 Scorched Tanks v1.00
GM22 Missiles Over Xeron (2 Disks)
GM24 Deluxe Galaga v1.5
GM27 Mr Men Olympics (2 Disks)
GM28 18 Hole Golf (2 Disks)
GM41 Tetris Dual (AGA)
GM42 Super Obliteration
GM43 Moose Drive
GM45 Road to Hell (1.5MB)
GM46 Tanks 'n' Stuff
GM52 Overlander
GM54 Superleague 4 Demo
GM55 Bacman (AGA)
GM56 Kung Fu Charlies
GM57 F1 Manager
GM58 Act of War v1.4
GM59 Hyperdrive
GM60 Bazza and Runt AGA
GM61 Klondike II AGA (3 Disks)
GM62 Incinerator
GM63 U-Chess v2.89 (AGA) (4MB)
GM64 Mangled Fenders
GM65 The Shepherd
GM67 Black Dawn II
GM68 Global Thermo Nuclear War
GM69 Galaxy Wars
GM70 Ambassador Fruit Machine
GM71 Madfighters II AGA (3 Disks)
GM73 Knights
GM75 Cybertech Corporation (2 Disks)
GM76 Scrabble
GM78 Starwoids (1MB) (2 Disks)
GM80 Xenostar (1MB)
GM81 Chopper Attack v1
GM82 Nanofly v1.05
GM83 Zombi Apocolypse 2
GM85 Giddy II
GM86 Pengo 2
GM87 Klondike II Update Disk

Bit 'n' Bobs

Bodyshop 6A AGA (2D)
Bodyshop 7 AGA (2D)
Cindy Crawford "The Works" AGA (3D)
Elle McPherson "The Works" AGA (3D)
Girls, Girls, Girls AGA (3D)
Claula Schiffer "The Works" AGA (3D)
Beach Babes AGA vol. 1
Beach Babes AGA vol. 2
Beach Babes AGA vol. 3
Beach Babes AGA vol. 4
Beach Babes AGA vol. 5
Fanatics Guide to Computers (2 Disks)
Dark Portal 2 - Horror Stories
Channel Z #6 (2D)
Deadlock #9 - excellent disk mag
21 Disks of Spectrum Games
Mixed Image Objects 1
Mixed Image Objects 2
Mixed Image Objects 3
Mixed Image Objects 4
Mixed Image Objects 5
Mixed Image Objects 6
Mixed Image Objects 7
Mixed Image Objects 8
Mixed Image Objects 9
Mixed Image Objects 10

AMIGA CD

Phase 4 - 17Bit Continuation 2 NEW! £17.99
NEW!! The very latest continuation CD from 17Bit. Contains PD from their library since Continuation 1 to the present day.

AMINET III - *Not CD32* £17.99
All the Aminet uploads from April until July. Essential CD.

Professional CD £17.99
New! 2,881 Adobe Type 1, 188 CG, 1,369 True Type Fonts (over 320MB) and PCX, GIF, EPS, TIFF Clipart (over 162MB).

CDPD IV £17.99
The latest in the range of CDPD Disks. Contains Fish to 1000, TBAG collection, AM/FM collection and much much more!

Clipart CD Bargain! £17.99
All the Aminet uploads from April until July. Essential CD.

Assassins Games CD £17.99
All the Assassins games packs from 1 - 200 on this CD!

ORDERING DETAILS

WB2+ Works on Workbench 2 or 3 Only
WB3 Works on Workbench 3 Only
AGA For AGA Machines Only
[1MB] Minimum Memory Needed
[2D] Number of Disks

Outside UK but in E.E.C. add 10% to Total
Rest of the World add 20% to Total

Make all Cheques or Postal Orders payable to:
ACTIVE SOFTWARE

Essential Aminet Compilations

The Essential Aminet compilations are a collection of the best bits and pieces from the Aminet in the particular month. Superb stuff guaranteed! Prices the same as normal PD.

Essential Aminet Vol. 3 July '94 [3 Disks] [WB2+]
More bits and pieces, this time from July. Includes CD32 Bits, July's Amiga Reports and a selection of modules that appeared in the modules chart during July. Plus many new utilities.

Essential Aminet Vol. 4 August '94 [3 Disks] [WB2+]
Loads of new utilities from August! Also includes Amiga Entertainment Monthly, intros and much more!

Essential Aminet Vol. 5 September '94 [3 Disks] [WB2+]
Latest Aminet uploadings in September. Loads here!

getting started

The Amiga Computing CoverDisk is designed to be as simple to use as possible. Follow these instructions and you'll be up and running in no time!

De-archiving applications - Workbench 2.0 and above

Always boot from your CoverDisk when de-archiving applications. The installer programs can be located via the install icon with the appropriate name in the WB_2&3_Only drawer.

The de-archiving procedure has been much improved and now combines the power of the official Commodore installer program with that of Workbench 2.0 and 3.0.

The installer program is designed to be powerful yet simple for the beginner and features a user-friendly interface allowing you to de-archive programs with a minimum amount of fuss. The installer programs for Workbench 2 and 3 users can be located via the icons named:

```
Install[program name]
```

eg:

```
InstallPFM
```

To run, simply double click on the icon which will load up the installer program.

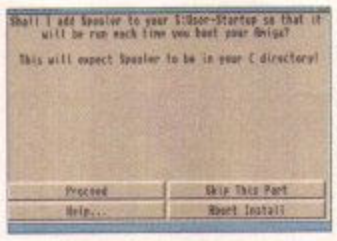
Using the installer

Ignore the buttons that appear when the installer program boots up and simply click on the Proceed button. The program will then copy the necessary files to RAM.

Once this has finished it will inform you that it is about to format a disk in DF0. Click on Proceed, at which point you will be told to insert a blank disk ready for formatting.



Don't forget to insert a blank disk at the prompt and before pressing Proceed

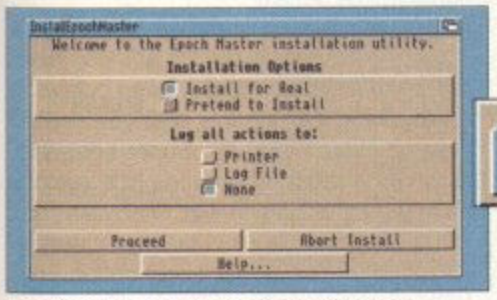


Any commands that need to be added to your User-Startup can be done with the press of a button

Once you have clicked on Proceed, the installer will indicate that it is formatting the disk in DF0. When this has finished, click on Proceed again to start the de-archiving procedure. When the application has been de-archived you will be told where the de-archived files are. Click once again on Proceed to finish.

If at any time you are unsure as to whether you want to continue installing, you can click on the Abort Install button.

Occasionally, utilities may need to add instructions to your User-Startup file located in the S directory so that they will function correctly. If you want to add the instructions, click on Proceed when prompted.



Don't worry about the installer options. Simply click on the Proceed button



The Workbench 2.0 and 3.0 installer icon

The Files drawer contains all the utilities set up so that you can use them from the CoverDisk. A Games drawer is also provided so that you can play these immediately. If you want to install the games make sure you copy all the necessary files across as listed in the CoverDisk pages.

We have now managed to fix the problem with AmigaDOS displaying a "disk is write protected" requester when a write-enabled disk is inserted. Just make sure you insert a blank disk when the installer programs tell you – and not before or after.

Installing utilities

The procedure for installing utilities is much the same as installing applications, except that you can boot from your hard drive or Workbench disk. As utilities don't need to be de-archived, you are asked to specify a directory on your hard drive or Workbench disk where you would like to install them.

If you don't want to install to the default directory you can change it by clicking on Change Destination. The Show Drives button will allow you to select a new device and directory. You can create a new drawer for your utility to go in by clicking on the Make New Drawer button and typing in the name.

You can also make a utilities disk by running the MakeUtilitiesDisk1.3 program located in the WB_1.3_only drawer and installing your utilities to here. At times you may be asked if you want to install a utility's documentation. A tick box indicates that the documentation is selected for inclusion, but you can click on the box to ignore it or simply click on the Skip This Part button.

The utility installer programs can be found in the appropriate program drawer in the WB_2&3_Only drawer.



You can easily install documents and create new drawer thanks to the installer's user-friendly interface

De-archiving applications - Workbench 1.3

Always boot from your CoverDisk when de-archiving applications. The installer programs can be located via the install icon with the appropriate name in the WB_1.3_Only drawer.

```
Install[program name]_1.3
```

eg:

```
InstallPFM_1.3
```

When you load up the 1.3 installer the program will first prepare itself ready to de-archive the program to a blank disk(s). You will then be asked to insert a disk to be formatted into DF0 and either press y to continue or n to abort.

Provided you answer y, the disk you insert will be formatted and the application de-archived.



After inserting a blank disk press y to continue or "n" to abort

Installing utilities

You should first run the MakeUtilitiesDisk_1.3 to format a blank disk called ACUtilities which will be used to store any utilities you eventually install.

This disk can be used with future CoverDisk utilities until it becomes full. The MakeUtilitiesDisk1.3 program will be a permanent feature of the CoverDisk.

To install any utilities, boot your machine with your CoverDisk inserted in DF0. Utilities can be installed by clicking on their install icon found in the appropriate drawer in the WB_1.3_Only drawer. You cannot specify their destination and any additions to the Startup-Sequence must be done manually.

When installed the utilities are copied to a drawer called ACUtils on the ACUtilities disk.



The Cover Disks

Sounds

Installing Techno Sound Turbo

Techno Sound Turbo has not been compressed in any way so to load the program all you need to do is insert the disk into the internal drive DF0 and re-boot your Amiga. When the loading screen appears press the left mouse button to continue.

Welcome to Techno Sound Turbo from New Dimensions – not just a sound sampler but a fully working sound studio featuring well over 100 advanced functions only previously available in professional recording studios.

When Techno Sound Turbo has loaded (see Installing Techno Sound Turbo) you will be presented with the main editing interface. When you click the mouse button you will be asked to enter your language and given the option of clearing the sample memory, which you should answer yes (y).

Now that's out of the way we can begin with our first tutorial which will teach you how to negotiate your way around the Techno Turbo Sound interface.

The interface

The Techno Sound Turbo interface is split into three sections – the sample display area, studio options and the signal level indicator.

The sample display is the large black rectangle at the top of the screen and it is here that any changes to samples are reflected. The studio options are the various editing and control buttons that make up the vast majority of the interface and the signal level indicator reflects the input signal coming through the sample box (not included).

The real power behind Techno Sound Turbo comes from the eight buttons positioned to the far-right of the display. By clicking on any of these buttons an appropriate sub-menu scrolls on at the bottom of the screen.

Inside the sub-menu will be a host of different options that will allow you total control over how your samples sound and play. You will find a brief description of all the functions accessible from the main interface in the annotated picture.

Simple samples

As this is the complete version of Techno Sound Turbo, New Dimensions has actually supplied a vast collection of high quality sound samples to get you going.

Click on the Disk button and nine disk-based gadgets will scroll onto the screen at the bottom of the display. Together these offer complete control over the loading and saving of samples and songs.

All loading functions are indicated with an arrow pointing away from the disk image and saving functions with the arrow pointing to the disk image. Click on the first gadget – load IFF sound sample.

Techno Sound Turbo's file requester will gently scroll into view where the signal level indicator previously was. Click on the down arrow until you see the drawer labelled Samples.

Click on this drawer and then select the GameOver sample. When GameOver appears in the file name box press Return or click on the OK button to load it into memory. Now take a close look at the sample display. It will appear that there is no sample loaded but the display is automatically set to the lowest magnification so it won't initially be visible.

If you look to the far left and right edges of the sample display you will notice two lines – one white and the other yellow. These two lines allow you to set a range – the white line being the beginning and the yellow the end.

The white line, or pointer as it is correctly termed, is moved by clicking the left mouse button on the appropriate place and the yellow pointer with the right mouse button. Move the yellow pointer approximately 1cm to the right of the white one.

Now locate the magnify button below the sample display (check out the annotated picture if you can't find it) and click on it. This will magnify the area between the two pointers to fit the entire sample display. You should now be able to see the actual GameOver sample.

To get a better impression of the sample, move the

Going loopy

Accurate looping is difficult but possible with Techno Sound Turbo's wide assortment of looping functions. Click on the Loop button and five gadgets will scroll on to the screen at the bottom. They are, from left to right: Forward play, Forward loop, Sweep, Reverse loop and Reverse play.

Let's take a look at each one individually. Forward play will simply play the sample once from left to right. Forward loop will do exactly the same as Forward play but will loop to the beginning when the end is reached.

Sweep will play the sample from left to right, then right to left (backwards) and vice versa. Reverse loop is identical to Forward loop except the sample is played in reverse. Reverse play is identical to Forward play except the sample is played in reverse also. In all looping cases the right mouse button will terminate the operation.

By pressing the Super Loop button you can enter a third pointer into the sample display. The four buttons to the left and right of Super Loop allow you to move the pointer (which is blue) to a desired location. The single arrow moves the pointer slowly while the double-arrow moves it quickly.

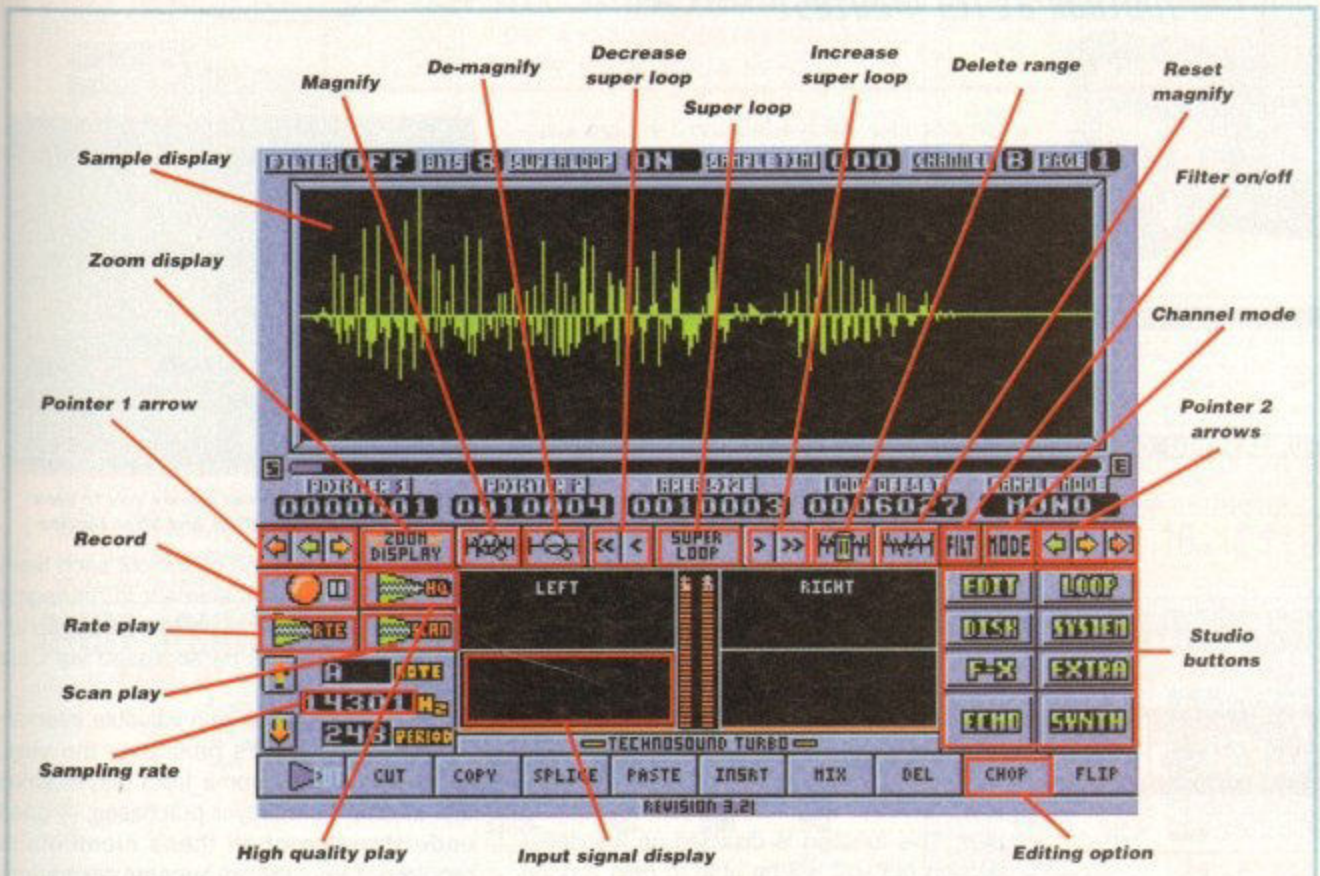
Click and hold the right double-arrow button and you should see the blue pointer moving across the sample display to the right. Move it to the middle of the sample display and then press the Forward loop button.

The GameOver sample will be played in its entirety, at which point it will loop from the beginning of the Super Loop pointer – it will continue to do this until you cancel the operation. Using the Super Loop you can repeat specified sections of a sample as many times as you like. Obviously, the GameOver sample is not the best example so try using the Super Loop option with instrumental samples.

In next month's issue of *Amiga Computing* we will be discussing the art of special effects and sequencing, so stay tuned.

We can't offer you a full recording studio but we can offer the next best thing – the complete Techno Sound Turbo package from New Dimensions

fantastic



yellow pointer so that it's at the end of the actual sample wave form. Click on the magnify button again and the sample should be displayed almost entirely in the sample display.

Obviously, you can reduce the magnification by clicking on the de-magnify button directly to the right of the magnify button.

Now that you can see the sample clearly, let's play it to see how it sounds. Locate and click the Play HQ (High Quality). The screen will blank and you will hear the GameOver sample at the highest quality – this is what HQ stands for.

When the Techno Sound Turbo interface reappears, find the pointer arrows. There are two sets – on the left the white pointer arrows and on the right the yellow pointer arrows.

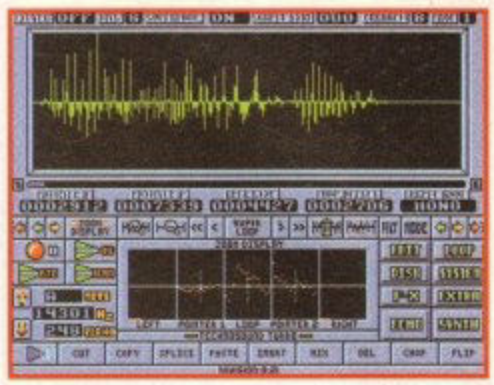
These offer you more control over the positioning of both pointers, allowing for more accuracy when cutting, pasting and creating loops. The red arrows move the appropriate pointer back to its original location. You can now move the pointers yourself and listen to the results. If you require more information regarding the pointer positions, take a look at the area directly below the sample display.

Pointer 1 and 2 indicate the start and end position in bytes, while Area Size actually shows you how many bytes the current sample occupies.

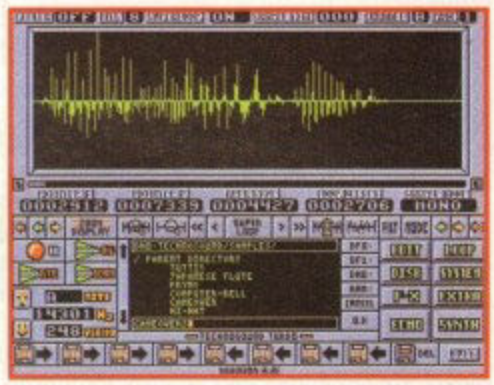
If you click on the Zoom Display button the signal level indicator will be replaced with a magnified view of each pointer and the sample wave form which will allow for even greater accuracy when looping and editing.

The outside windows show the input wave forms for each channel in real time. The three central windows show the sample wave form underneath pointers 1 and 2 and the Super Loop pointer (explained later on).

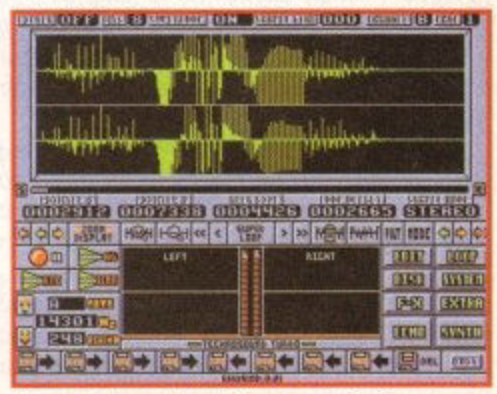
If you move one of the pointers in the sample display you will see the zoom view being updated under the appropriate pointer.



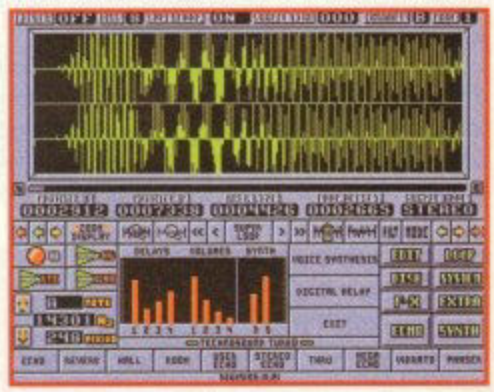
Using the Zoom function you can position the range pointers far more accurately



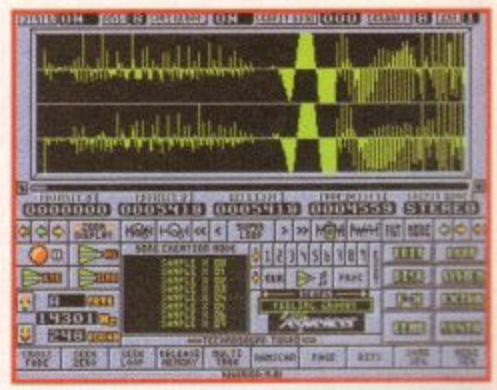
New Dimensions have supplied a vast amount of high quality sound samples to get you started



You can choose to edit your samples in either stereo or mono, although stereo does provide better results



If the effects aren't quite what you desire why not define your own? Echo is one such effect that can be edited manually



Techno Sound Turbo provides excellent sampling functions and a song sequencer too



Kicking off around the World

Put on your favourite team's shirt, lace up your boots and get ready for the action with the best demo yet of football at its greatest



Welcome to the Sensible World of Soccer by Sensible Software, destined to kick all other footie games into touch. We at *Amiga Computing* thought it imperative that we offer you a fully playable, exclusive demo of what promises to be the best soccer game ever. And here it is...

After the loading screen has appeared press the fire button and you will be presented with two options – Friendly and Demo League. Friendly allows you to jump straight in the action and play ball, while Demo League promotes you to manager of your favourite team, which we're sure will be *Amiga Computing*.

If you select Friendly you will notice that only one of the four options is enabled (green). This is because this version of SWOS is a demo – in case you hadn't noticed.

Select Club Teams, Europe, England and finally Division One. Once you have reached this point you will be able to choose your team. You can play as a player/manager or manager only by selecting your team with either blue or purple. The opponent team is selected in red. For a two-player game, make sure two teams are highlighted blue.

When you are ready to proceed click on Play Friendly, at which point you will be taken to the team statistics. From here you change your team make up by simply selecting the players you wish to swap and altering the formation for which 4-3-3 and 3-4-3 are available. When your team is ready for kick off, click on the OK button.

To make substitutions or change tactics during the match wait until the ball is out of play and press the cursor up key or cursor down key, depending on which way you are shooting, on your keyboard. This will bring up the manager's bench, along with an arrow. Move the arrow to point over the coach to change tactics. Move it over the players in order to make substitutions.

To gain information about the best players in your team, select Squad. From here you can also swap players around in order to maximise your team potential.

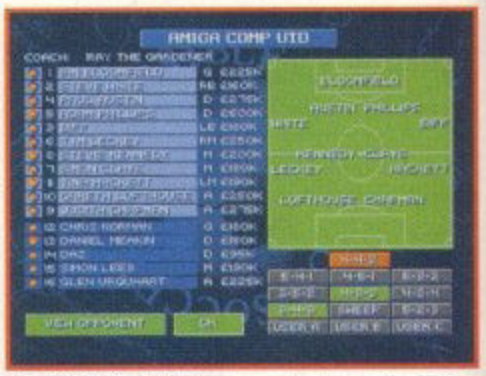
Transfer will allow you to buy and sell players. You select the player you wish to buy and then make an offer. If the offer is substantial enough the manager will agree and the player will be transferred into your squad.

Through Tactics you can program your team to react to different situations during play. This function is disabled on the demo version but you will be able to gain a good impression of how it works.

The key to success in SWOS is knowledge. You can gain a good impression of how opponent teams are performing by selecting View World. By choosing a team (England, Italy or Scotland in this demo) and a division you can find out who the highest goal scorers are, view the way in which their games are played and check out each team individually. The final element in managing your team is to keep a close eye on money matters – these can be accessed via Club Business.

From here you will gain valuable information about the team's profit over the year, current balance, income from player sales and income from player purchases. A good understanding of all these elements is required if you are to become a championship manager and take your team to the World Cup.

Although this exclusive *Amiga Computing* demo is packed with features, the full game promises even more. For a full listing of all additions to the full version of SWOS, check out the text on the loading screen – you won't fail to be impressed.



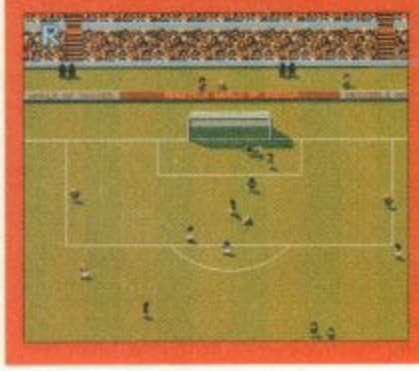
Sensible World of Soccer allows you to pick players, change formation and alter tactics

Basic skills

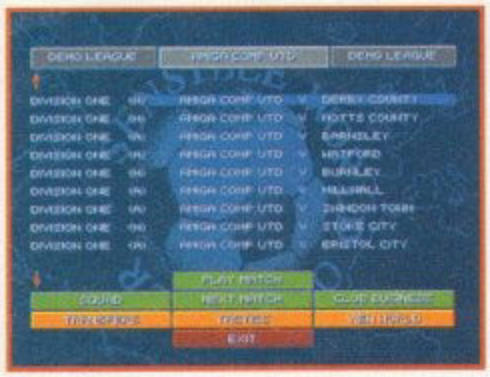
There are a few ball control skills that need to be mastered when playing SWOS. The most important of these is the curved ball. If you are running with the ball you can curve it when you kick by quickly pushing the joystick in the direction you wish the ball to curve.

As you run with the ball your player picks up speed. As speed increases he will have less chance of directing or turning the ball. The best way to progress is to make short but speedy passes – the ball will be passed to another player if one is near enough.

If the opponent has the ball and you have a player near to him you can press the fire button and attempt a sliding tackle. However, try not to foul your opponents as the referee will have no qualms about handing out yellow or red cards.



The greatest element in SWOS is the skill element. The ball can be controlled by adding after touch



Not only can you choose to be a player or manager but both



In the full game, players will be able to change their game tactics using the Tactics editor

SILICA ARE NOW IN 18 BRANCHES OF DEBENHAMS
SEE BOTTOM PANEL FOR DETAILS

GVP WORLD CLASS AMIGA PERIPHERALS

NEW LOW PRICES!

G-LOCK VIDEO GENLOCK

FOR ALL AMIGAS



- *Simple, Intuitive Mouse-Driven Software Control Panels. Full ARexx, CLI and Workbench Interfaces*
- *Software Selection of 2 Composite Video Inputs or 1 Y/C (S-Video) Input*
- *Simultaneous Composite & S-Video and RGB Outputs*
- *Software Selection or Mixing of 2 Audio Inputs with Volume, Bass and Treble Control*
- *Software-Driven Video Processing Amplifier Offering Complete Real-Time Signal Processing Control, Including Hue, Brightness and Saturation.*
- *Software-Controlled RGB Colour Splitter Compatible with Video Digitizers*
- *Built-in Transcoder Converts Input Video to Composite, Y/C, RGB or YUV Outputs*
- *Full ECS/AGA Support for Full Compatibility with A1200 and A4000 Systems*
- *Compatible with Popular Titling Software like AmigaVision™, Scala-Multimedia 200/210/300™ and Gold Disk's Video Director™*
- *Full Audio Support*

This extremely high quality Amiga genlock, from GVP, has an intuition-based software control panel with full ARexx and command line interfaces. It is easy to use and supports most VHS and S-VHS video models. For crisp overlays of scrolling, or static titles, graphics over live video and recording to videotape with high quality results.

Format Gold 94%

VIDEO: G-Lock's six video control panels enable you to perform a wide array of special effects on still or motion video including:
- Colorizing for unique visual effects.
- Creating your own "Classic" black & white videos using the Colorkill feature
- Colour filter effects
- High-quality keying effects with bitplane or chroma keying
- Manual or automatic (ARexx triggered) fades and cuts

AUDIO: G-Lock's dual-input audio panel switches, mixes and shapes sound for effects such as:
- Combining stereo channels or separate inputs without a "Y" adaptor
- Treble and bass equalization
- Plus, add DSS8+, see below, or any Amiga created/ modified digital audio samples to your final mix

G-LOCK
~~£299~~
£269
INCLUDING VAT - VID 2500

A1230-II 40MHz & 50MHz ACCELERATORS

FOR AMIGA 1200



- *40MHz 68030EC and 50MHz 68030 Accelerator*
- *Unique Feature Connector for Module Expansion*
- *Memory Management Unit on 50MHz Version*
- *Optional 60ns 32Mb RAM Upgrade*
- *Battery Backed Clock*
- *Optional 40MHz or 50MHz 68882 Maths Co-Processor*
- *Memory Management and Cache Control Software*
- *Kickstart Remapping Technology*

The new GVP A1230-II advanced accelerators are available in 40MHz 68030EC and 50MHz 68030 configurations. They can make your Amiga run at least 6½ times (40MHz version) or at least 8½ times (50MHz version) faster than the standard A1200 and feature unique warranty safe module expandability - see right.

MMU OR FPU?
The 50MHz version includes a built-in Memory Management Module (MMU), for more sophisticated memory control. An optional FPU (Floating Point Unit; for faster maths calculations) is available for the 40MHz and 50MHz versions (see below), both have RAM upgrade options (up to 32Mb, see right).

RAM UPGRADES
The A1230-II accelerator combo has two 32-bit SIMM sockets for easy Fast RAM expansion. The following SIMMs can be used in those slots.
- 4Mb 60ns Fast RAM SIMM - (RAM 3246) - £199 inc VAT
- 16Mb 60ns Fast RAM SIMM - (RAM 3286) - £999 inc VAT

SCSI-II EXPANSION MODULE
- *A1291 - Fastest SCSI Controller Yet*
- *DMA SCSI Design • FaasST ROM Controller*
- *High Speed, Unique DPRC Technology for Direct HD to Memory Transfer*

£60 inc VAT - UPG 1600

A1230-II ACCELERATOR

	4Mb RAM	8Mb RAM
40MHz 68030EC NO MMU	~~£429~~ £299 inc VAT - UPG 1248	~~£629~~ £499 inc VAT - UPG 1540
50MHz 68030 WITH MMU	~~£499~~ £449 inc VAT - UPG 1540	~~£699~~ £649 inc VAT - UPG 1580

FPU OPTIONS
40MHz 68882 UPG 1982 £100 inc VAT
50MHz 68882 UPG 1996 £100 inc VAT

EGS SPECTRUM 24-BIT GRAPHICS CARD

FOR A1500/A2000/A3000/A4000



TAKES YOUR AMIGA BEYOND AGA!

EGS Spectrum is the answer to all your 24-bit graphics card requirements. It is a high performance, high resolution, 24-bit board that will take any Amiga 1500, 2000, 3000 or 4000 beyond AGA! But the hardware is only half of the picture. Without quality software, your investment will be wasted. Not only does GVP's own award winning graphics application ImageFX fully support EGS Spectrum, but also, using a Workbench driver, nearly all existing Amiga Workbench compatible applications will also work on and support the EGS Spectrum system.

- *2Mb of On-Board Memory*
  2Mb gives higher resolutions & more colours (1600 x 1280)
- *Programmable Resolutions Up To an Amazing 1600 x 1280 - 800 x 600 in 24-bit*
- *Real-Time 24-bit Display and Graphics Operating System!*
- *High-Performance 24-bit EGS-Paint Package for Professional Painting and Photographic Editing*
- *Amiga-RGB Pass-Through so the Amiga and the EGS SPECTRUM can Share a Single Monitor*
- *Zorro II (16-bit) and Zorro-III (32-bit) AutoSensing for Maximum Performance*
- *Scan Rates Up To 80KHz*
- *80,000,000 Pixels/sec Pixel Display Speed (8-bit)*
- *Workbench driver to run Workbench directly on the EGS SPECTRUM Board, Freeing Up Valuable Chip RAM*
- *Hardware Blitter to Accelerate All GUI Operations, Including the Workbench Driver*
- *System Conforming Applications Can Use the EGS Screenmodes Directly from the Display Database*
- *EGS Requires Kickstart 2.04 or Higher*

NEW LOW PRICE! SAVE £50

2Mb VIDEO RAM
~~£349~~
£299
INCLUDING VAT - VID 7320

G-FORCE 040 40MHz ACCELERATORS

FOR A3000/A4000



Never before has such a powerful processor been available for the Amiga! The G-Force 040 puts a 40MHz Motorola 040, plus built-in 40MHz 68882 FPU into your A4000 (030 or 040) and couples it with up to 32Mb of super fast 32-bit SIMM memory on the board. The Standard board comes with 4Mb RAM - see left for RAM upgrades.

To further increase memory from the maximum 32Mb available on the G-Force 040 card, add one of the two 96Mb memory expansion boards available - see left. These enable you to take your total memory up to an amazing 128Mb RAM, directly connected to this blazing processor.

For maximum performance, a second optional module will be available soon, for a full 32-bit SCSI2*FAST* interface, capable of data transfer speeds up to an amazing 10Mb per second!

- *Fast 040 Accelerator + RAM for A3000/A4000*
- *40MHz 68040 Processor*
- *40MHz 68882 FPU Built-in to the 68040 Chip*
- *Make your A4000/030 at least 12 Times Quicker*
- *4Mb RAM Fitted, Expandable to 32Mb on the Board, to a Total of 128Mb via an Extra Card - see left*
- *SCSI-II FAST Optional (Pricing TBC)*

RAM UPGRADES
The standard board has two GVP 32-bit SIMM sockets, one of which is populated with a 4Mb 60ns SIMM. Available options are:
- 8Mb Add 1 x 4Mb SIMM - (RAM 3246) - £199 inc VAT
- 20Mb Add 1 x 16Mb SIMM - (RAM 3286) - £999 inc VAT
- 32Mb Remove 1 x 4Mb SIMM and Add 2 x 16Mb SIMMs - (2 x RAM 3286) - £1998 inc VAT

RAM BOARD UPGRADES
These optional cards have six GVP SIMM sockets to go up to an extra 96Mb. Add that to the maximum 32Mb on the board for a total maximum RAM of 128Mb.

G-FORCE 040 96Mb RAM BOARDS

4Mb POPULATED	16Mb POPULATED
£399 inc VAT - UPG 0874	£1199 inc VAT - UPG 0896

G-FORCE 040

40MHz	4Mb RAM
	~~£999~~
INCLUDING VAT - UPG 0840	**£899**

8-BIT SOUND SAMPLER

FOR ALL AMIGAS



Capture sound from an external source and play it back in stereo or mono on your Amiga. The latest version of GVP's Digital Sound Studio (DSS8+) enables you to create audio effects for use in games or jingles.

- *New Style High Impact, Clear Poly-Carbonate Casing*
- *Simultaneously Holds up to 31 Sound Samples in Memory*
- *Real-time Oscilloscope, Spectrum Analysis, Echo & Reverberation*
- *AREXX Compatible*
- *Microphone Input*
- *MOD File & MIDI Compatible*
- *FREE Samples Disk*

DSS8+
£49
INCLUDING VAT - MUS 2510

VIDEO EFFECTS

FOR ALL AMIGAS WITH 3Mb RAM



CineMorph from GVP opens up the world of Morphing, the process of converting one image to another to create dazzling special effects. Currently very popular in music videos and feature films, morphing has become the fashionable video effect to use. Now with CineMorph you can create these stunning effects on your Amiga.

- *Supports the AGA Chipset*
- *Static or Full Motion Morphing*
- *Single Image Warping*
- *Fast Render Times*
- *Renders to HAM-E and DCTV*

CINEMORPH
£15
INCLUDING VAT - ASC 4420

IMAGE PROCESSING

FOR ALL AMIGAS WITH 4Mb RAM

Image FX is a complete solution for all your image creation and editing needs. It has a vast range of facilities, can read and write to many other different file formats and directly controls a wide variety of hardware.

- *24-bit Painting*
- *ARexx Compatible*
- *Virtual Memory Support*
- *Load, Save and Convert to the Following Formats: ANIM, BMP, Clipboard, DCTV, DPAIE, GIF, HAM-E, ILBM, IMPULSE, JPEG, RENDITION, SCULPT, TARGA, TIFF AND MORE*
- *Scanning, Framegrabbing & 24-bit Board Support - Inc Modules for JX100, IV24, AGA/AA Chipset*
- *Create Animations*
- *Numerous Special Effects Edge Feathering, Shading, Morphing, Compositing etc*



Gold 92%

CINEMORPH INCLUDED! SEE DETAILS LEFT

NEW LOW PRICE! SAVE £30

IMAGE F/X V1.5
£149
INCLUDING VAT - ASI 2002

ACCELERATORS

FOR AMIGA 1500 & 2000

FAST! 32-bit TECHNOLOGY



GVP offer a range of accelerators for the A1500/A2000 that outstrip the competition for speed and specifications.

G-FORCE ACCELERATORS	030 40MHz	040 33MHz
Speed MIPS*	12.1	30
Processor	68030EC	68040
Maths Co-Pro.	68882 included	68882 in 68040 processor
Std 32-bit RAM	4Mb	4Mb
Max 32-bit RAM	16Mb	64Mb
Extras	SCSI	SCSI Ser/Par
PRICE	~~£699~~ £599 INC VAT - UPG 0430	~~£999~~ £799 INC VAT - UPG 0740

*MIPS: Millions of instructions / second. A normal Amiga runs at .67 MIPS

THE SILICA SERVICE

SILICA 1978 16 YEARS 1994 SERVICE TO YOU

Before you decide WHEN to buy, we suggest you consider WHERE to buy and protect your investment with a purchase from Silica. With our unrivalled experience and expertise, we will provide all the extra help, advice and new product information you may need both now and in the future. Visit one of our stores, or return this coupon now and begin to experience the "Silica Service".

SILICA

NOW IN 18 BRANCHES OF DEBENHAMS STORES NATIONWIDE

- *ESTABLISHED 16 YEARS:* We have a proven track record in professional computer sales.
- *PART OF A £50M A YEAR COMPANY:* With over 300 staff - We are solid and reliable.
- *EXPERIENCED STAFF:* All are 'Customer Care' trained and at your service.
- *TECHNICAL SUPPORT HELPLINE:* FREE help and advice from a team of experts.
- *A FULL PRODUCT RANGE:* All of your computer requirements from one supplier.
- *PRICE MATCH:* We match on a "Same product - Same price" basis.
- *FREE CATALOGUES:* With special offers and product news.
- *PAYMENT:* We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).
- *VOLUME DISCOUNTS AVAILABLE:* Business, Education and Government. Tel: 081-308 0888.
- *MAIL ORDER:* FREE DELIVERY on orders over £40+VAT. Small administration charge (£2.50+VAT) on orders under £40+VAT.
- *STORES NATIONWIDE:* 21 stores including 18 in branches of Debenhams.

MAIL ORDER 081-309 1111
PLUS TECHNICAL AND HEAD OFFICE
SILICA, SILICA HOUSE, HATHERLEY ROAD, SIDCUP, KENT, DA14 4DX

PLUS BRANCHES AT:

BRISTOL	Debenhams - (3rd Floor)	St James Barton	0272 291021
CARDIFF	Debenhams - (1st Floor)	St. David's Way	0222 399789
CHELMSFORD	Debenhams - (2nd Floor)	27 High Street	0245 355511
CROYDON	Debenhams - (2nd Floor)	11-31 North End	081-688 4455
GLASGOW	Debenhams - (5th Floor)	97 Argyle Street	041-221 0088
GUILDFORD	Debenhams - (3rd Floor)	Millbrook	0483 301300
HARROW	Debenhams - (2nd Floor)	Station Road	081-427 4300
HULL	Debenhams - (2nd Floor)	Prospect Street	0482 25151
IPSWICH	Debenhams - (2nd Floor)	Westgate Street	0473 221313
LONDON	Silica	- 52 Tottenham Court Road	071-580 4000
LONDON	Debenhams - (3rd Floor)	334 Oxford St	071-580 3000
LUTON	Debenhams - (1st Floor)	Arndale Centre	0582 21201
MANCHESTER	Debenhams - (3rd Floor)	Market Street	061-832 8666
PLYMOUTH	Debenhams - (3rd Floor)	Royal Parade	0752 266666
ROMFORD	Debenhams - (3rd Floor)	Market Place	0708 766066
SHEFFIELD	Debenhams - (3rd Floor)	The Moor	0742 768611
SHEFFIELD	Debenhams - (LGround)	Meadowhall Ctre	0742 568555
SIDCUP	Silica	- Silica House, Hatherley Rd	081-302 8811
SOUTHAMPTON	Debenhams - (1st Floor)	Queensway	0703 223888
SOUTHEND	Keddies	- (2nd Floor) High Street	0702 462426
THURROCK	Debenhams - (1st Floor)	Lakeside Centre	0708 860066

To: Silica, AMCOM-1294-216, Silica House, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND ME AN AMIGA CATALOGUE

Mr/Mrs/Miss/Ms: ..... Initials: .....
Surname: .....
Company (if applicable): .....
Address: .....
.....
.....
.....
..... Postcode: .....
Tel (Home): .....
Tel (Work): .....
Which computer(s), if any, do you own?
.....
216G

E&OE - Advertised prices and specifications may change - Please return the coupon for the latest information.

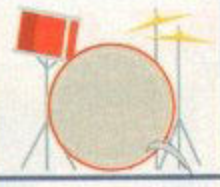
The complete music studio



Now that you have seen just what is capable with the excellent Techno Sound Turbo sampling package, why not upgrade to the complete package, including digitiser, audio leads and the Techno Sound User Guide?

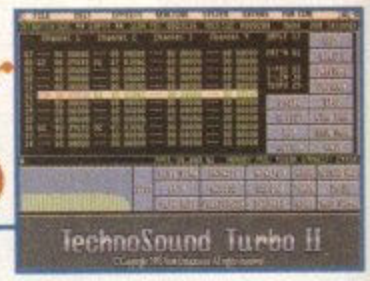
New Dimensions are offering two exclusive reader offers which will allow you to complete or improve your Techno Sound Turbo package at a reduced cost.











Techno Sound Turbo

To compliment your CoverDisk, New Dimension are offering the complete package for only £15 (RRP £29.99).

This includes the digitiser which will allow you to sample from a source such as a tape deck, CD player, stereo or TV, audio leads with which you can connect your Amiga to a selected sound source, and the excellent Techno Sound Turbo User Guide packed with hints and tips and reference.

Also included is an update form for Techno Sound Turbo 2 at a special reader price of just £12 – normally £16.



Techno Sound Turbo order form

Please send me Techno Sound Turbo (the full product) at £15.00

Deliver to...

Name (Mr/Mrs/Miss/Ms) _____

Address _____

Postcode _____ Daytime Telephone _____

I wish to pay by...

☐ Cheque/Postal Order payable to New Dimensions

Credit Card (Visa/Access)

Card no. ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ Expiry date ☐☐☐☐

Please allow 28 days for delivery

☐ *Tick this box if you do not wish to receive promotional material from other companies*

Techno Sound Turbo 2 order form

Please send me Techno Sound Turbo 2 (the full product) at £23.99

Deliver to...

Name (Mr/Mrs/Miss/Ms) _____

Address _____

Postcode _____ Daytime Telephone _____

I wish to pay by...

☐ Cheque/Postal Order payable to New Dimensions

Credit Card (Visa/Access)

Card no. ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ Expiry date ☐☐☐☐

Please allow 28 days for delivery

☐ *Tick this box if you do not wish to receive promotional material from other companies*

Techno Sound Turbo 2



The latest enhancement to the original, Techno Sound Turbo 2 features a wealth of new functions including direct to hard drive recording, real-time special effects and a fully functional sequencer. Techno Sound Turbo 2 comes complete with digitiser, audio leads and an informative manual.

The retail price for this package is £39.99. New Dimensions and *Amiga Computing* are offering Techno Sound Turbo 2 for just £23.99.

To order your complete package of either Techno Sound Turbo or Techno Sound Turbo 2, please fill in the appropriate coupon and return it to:

New Dimensions, Brooklands House,
Bryngwyn, Raglan, Gwent NP5 2AA

Macro magic

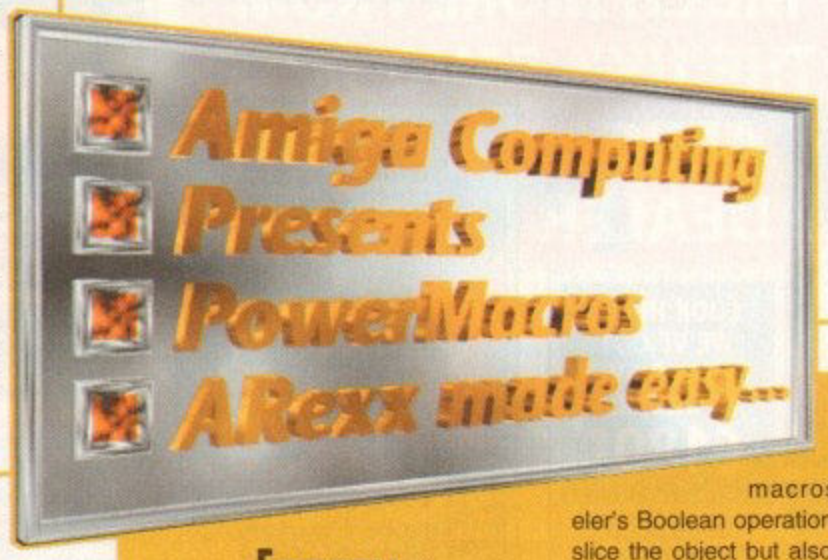
Can ARexx really make Lightwave even easier? Paul Austin explores PowerMacros

Courtesy of some ingenious ARexx coding, CineGraphics has managed to add an impressive selection of "wish list" features to Lightwave by simply adding a few extra scripts to the existing Macro selection.

PowerMacros are split between modeler and Layout – the two elements of the Lightwave environment. However as Modeler is the only element which has a direct link to ARexx, it's here where all the macros are initially applied.

The obvious question is how modeler macros can produce scenes and special effects in Layout? The answer is automatic scene generation built directly into the macros themselves.

In total you receive 17 macros split into four categories, namely Energy, Layout, Modeler and Business, as listed on this page.



Layout

Although slightly more mundane than the energy collection, the Layout offerings still provide some invaluable tools.

Snake is a prime example of painless automation which formerly would have been a tricky animating endeavour. Basically, Snake generates serpentine morph objects using bones, the end result being swimming fish, slithering snakes and so on.

Next comes Render Batch, which not surprisingly offers a similar facility to that provided by the render sequence feature in Wavemaker – see this month's features list.

Courtesy of Render Batch you can automate the generation of an unlimited number of scenes, with the files saved as either Framestore or IFFs.

Move Scene is another, sometimes essential option which allows the transfer of Lightwave scene files between volumes and, in turn, machines.

Not only does the macro alter the scene file to reflect the changes but it will copy all the objects and image maps to new user-defined locations, with the only exception being sequential image maps.

However, the new scene will still reflect the sequential image selection, so all you have to do is move the sequence manually later on. Although far from glamorous, many professionals may find this the most important macro on offer.

Smooth Velocity is yet another painful task made easy, as it creates a constant velocity for an existing motion path. Again this is a tricky proposition with spline-based motion paths.

The Focal Distance macro puts another nightmare to the sword. Actually animating depth of field can be an absolute nightmare. Now tracking an object using a depth of field envelope couldn't be simpler.

You simply create an object entitled FDist and place it in the scene. If the macro is applied the camera will track the object, producing a perfect DOF envelope for the scene.

Energy

As the title suggests, the energy collection provides perhaps the most dramatic macros including Shatter BlowUp and Swarm.

Not surprisingly, shatter will randomly slice any object into a user-defined number of pieces. To achieve the desired effect the macros use Modeler's Boolean operations to not only slice the object but also rename the newly created interiors – ready for texturing in layout.

Hand in glove with Shatter comes the BlowUp macro. When a shatter operation is complete you have the option to then blow-up the newly created pieces by defining the speed of the explosion, the force of gravity, the rotation of the pieces and so on. In addition, you can specify whether the explosion occurs at ground level, and if so, how much the pieces will bounce on impact with the ground. Fortunately the macro randomises the effect nicely, so the overall effect is pretty impressive.

The final element in the energy collection is the swarm macro which automatically generates swarming motion paths for an unlimited number of objects or lights within a scene – ideal for flies around a candle and other seemingly random events.

Modeler

Now we're entering the real bread and butter department, starting with Load from Scene, which will import an entire scene directly into modeler.

Next comes the Clone object and surfaces, yet another excellent utility macro which automates the renaming of surfaces within cloned objects – surprise, surprise.

Thanks to this useful little number, duplicates of a particular object not only get a number appended to the object but also matching attributes names in ascending order. Therefore it's much quicker to define separate surface attributes for the clones.

Flip Around polygon is yet another handy addition which flips a selected polygon 180 degrees – often useful in conjunction with the Attach Polygon macro. Mirror using polygon is arguably one of the best modelling time-savers in the collection. This allows you to mirror an object via a selected polygon within the scene – instant duplicates in any direction or angle.

Save Pivot Point is easily my favourite Modeler macro. I find one of the most annoying aspects of importing objects into Layout is the program's habit of piling all the objects into the scene on top of each other. This is particularly infuriating when the objects are all elements of a larger hierarchical structure which then has to be painstakingly rebuilt.

Fortunately, thanks to Save Pivot Point, the nightmare is now over as you can build the hierarchy in modeler and define separate pivot points for each sub-object.

Now when you run the macro all the elements in the hierarchy remain in position and retain their pivot points when imported into layout – absolute bliss.

Business

Finally we arrive at the corporate collection – Pie Charts being high on the agenda – with two formats, one of which generates a single object using multiple surfaces for the individual segments, while the second generates the pie segments as individual objects. The basic set-up for both options is very straightforward. You simply run the macro and a requester appears in which you can add up to eight segments.

Simply supply the figures to as many segments as you require and the macro does the rest. Instant 3D market research with a couple of mouse clicks. Last of all comes the excellent Chart Legend macro which automatically generates a bevelled 3D plaque using an extruded 3D font of your choice. The macro allows for up to 11 lines of text of unlimited length. Once again everything is done for you, just type in the text and sit back as the macro does the rest.

Verdict

At the risk of being boring, PowerMacros is yet another excellent Lightwave add-on, perfect for anyone who's into the creative rather than purely corporate productions. An indispensable collection for the serious 3Dphile.

Product: PowerMacros
Supplier: Premier vision
Price: £99.95
Tel: 071 721 7050

LOW PRICES, EXCLUSIVE PRODUCTS...

EXPERT ADVICE and MUCH MORE FROM THE UK's FAVOURITE AMIGA DEALER





130Mb External 'Portable' HD

GH Prices start from just...

£249.95

So small it can be transported with ease. Portable Power!

AMIQUEST A600/A1200 PORTABLE EXTERNAL HARD DISK DRIVES

No taking your Amiga apart... just plugs into the PCMCIA slot - 600/1200's Fantastic 2.5" IDE device that's small and easy to fit. Faster access times than internal units. Use as a second HD (for backups etc.) Full 12 month warranty.

CAPACITY	GH Price
130Mb External	£249.95
170Mb External	£264.95
200Mb External	£299.95
250Mb External	£324.95
340Mb External	£399.95

Doesn't invalidate your CBM warranty!



130Mb Self Fit Hard Drive

GH Prices start from as little as...

£179.95

or... if you prefer we can fit your new drive for you!

CAPACITY	Self Fit	Fitted
130Mb Internal	£179.95	£204.95
170Mb Internal	£199.95	£224.95
200Mb Internal	£229.95	£254.95
250Mb Internal	£269.95	£294.95
340Mb Internal	£334.95	£359.95
540Mb Internal	£429.95	£454.95

JUST LOOK AT THE BENEFITS OF OUR FITTING SERVICE.. ONLY GH CAN OFFER YOU ALL THIS AT SUCH LOW PRICES!

GH AMIGA A1200 INTERNAL HARD DRIVES... are all standard 2.5" IDE devices (self fit or fitted) as designed in by CBM. We do NOT use alternative 3.5" units which can overload the PSU! Included too, is our ESSENTIAL HD Manual FREE!

LOOK HERE! WE'VE GOT 130Mb DRIVES AT UNDER... £180!

THE UNIQUE GH FITTING SERVICE... Why not let our engineers collect your Amiga and fit your drive for only £25 extra!

The price includes...
- ☆Collection of your Amiga
- ☆Fitting by experienced GH technicians
- ☆Formatting with W/Bench
- ☆HD configuration and installation of back up and repair software
- ☆FULL 1 Year GH Gold Collection Warranty
- ☆Courier return to you



OVERDRIVE

210Mb External Hard Drive

Super Prices start from Only...

£239.95

Designed to match your Amiga - Looks and works Great!

OVERDRIVE 35 EXTERNAL HARD DRIVE - 'Plug and Go'!

Simply plug this great HD into the PCMCIA slot of your A1200! No taking your Amiga apart. Retains full CBM warranty. Casing matches the Amiga's, pre-formatted, tested and ready to use. Just 'Plug and Go'. All models right up to 540Mb. are at Super Low Prices!

CAPACITY	GH Price
210Mb External	£239.95
340Mb External	£279.95
420Mb External	£299.95
540Mb External	£334.95

Full 12 months warranty on HD. Doesn't invalidate CBM warranty!



BLIZZARD 1220/4 Turbo MEMORY

1220 & 4Mb Turbo Memory	£229.95
4Mb RAM Expansion for above	£169.95

BLIZZARD 1230/II Turbo ACCELERATOR

40MHz 68EC030 - 0Mb RAM	£229.95
40MHz 68EC030 - 1Mb RAM	£279.95
40MHz 68EC030 - 2Mb RAM	£319.95
40MHz 68EC030 - 4Mb RAM	£359.95
40MHz 68EC030 - 8Mb RAM	£489.95
50MHz 68030+MMU - 0Mb RAM	£299.95
50MHz 68030+MMU - 1Mb RAM	£349.95
50MHz 68030+MMU - 2Mb RAM	£389.95
50MHz 68030+MMU - 4Mb RAM	£629.95
50MHz 68030+MMU - 8Mb RAM	£559.95

BLIZZARD & VIPER CO-PROCESSORS (FPU's)

25MHz 68882 Maths Co-Pro (FPU)	£49.95
33MHz 68882 Maths Co-Pro (FPU)	£59.95
50MHz 68882 Maths Co-Pro (FPU)	£119.95

BLIZZARD 1230/II & VIPER RAM SIMMS

4Mb RAM (other sizes - please phone)	£129.95

As both RAM SIMM and FPU prices can fluctuate based on currency exchange rates and world supply/demand, please confirm latest prices prior to ordering.



VIPER 68030 TURBO ACCELERATORS

25MHz 68030+MMU - 0Mb	£149.95
40MHz 68030+MMU - 0Mb	£249.95

AlfaPower External HD's...

External IDE Case that Plugs into the either A500 or 500+. You can add either TWO 2.5" or ONE 3.5" IDE Hard Drive! Allows up to 680Mb configuration!!! Auto-Boot, Auto-Config, c/w manual & software. Ideal with Supra Turbo!

ALFA DATA

SIMPLY... PLUGS INTO AN A500/+

External Case with 130Mb!

LOW Prices start at Just...

£264.95

Call GH for other sizes/prices



AMIGA BOOKSHOP

Just a Small Sample of the GH stock...

Please phone and ask about more books in the GH range!

Amiga Workbench 3 A-Z	£14.50	Mastering Amiga AMOS	£18.50
Amiga 1200 Insider Guide	£14.50	Mastering Amiga AREXX	£19.50
Amiga Assembler Insider Guide	£14.50	Mastering Amiga Printers	£18.50
Mastering Amiga DOS...		Amiga Disks and Drives	£14.50
Version 2, Volume 1	£18.95	A1200 - Next Steps	£14.50
Version 2, Volume 2	£18.50	A1200 Beginners Pack (2 books, video & tutorial disks)	£37.95
Version 3 Reference	£19.50	NEW...Amiga Desktop Publishing	£14.95
Version 3 Tutorial	£19.50		



SUPRA 28MHZ ACCELERATOR

For A500 or 500+ £129.95

HAMA GENLOCKING HARDWARE

Professional Video/Computer effects made easier with these great HAMA products. Phone for an in-store demo!



HAMA A-CUT EDITING CONTROLLER

Transforms your Amiga into an editing computer for viseo post production. Use with VHS, VHS-C, S-VHS, S-VHS-C, Video 8 and Hi-8. Includes comprehensive HAMA Software

HAMA A-CUT £199.95

HAMA 292 GENLOCK

S-Video & Composite Genlock. Single Fader, RGB Control

HAMA 292 £279.95

HAMA 290 GENLOCK

S-Video & Composite Video Mixer, Dual Fader, Monitor Thro'

HAMA 290 £699.95



GH SUPER VALUE RECOMMENDED!

ProGRAB 24RT Real Time 24 Bit Colour Video Digitiser

Get images into your Amiga in 16.7million colours with this LOW COST unit! Uses any composite video source eg. VCR, TV, satellite, camera etc. Now inc. TeleText s/w!

ProGRAB ONLY.. £129.95 GH VALUE BUY!



Amiga Displays

Monitor & TV Monitors for better displays from

£159.95

You'll see the difference!!!

MICROVITEC 14" COLOUR MONITOR

0.28 Dot Pitch, Hi-Res Colour (requires separate speakers), Ideal for Amiga, Acorn, ST, PC-SVGA, etc. Cable Included FREE!

Microvitec 14" Monitor Only... £299.95 (Requires Speakers)

PHILIPS CM8833 14" COLOUR MONITOR

One of GH's best selling monitors ever! We have secured... LIMITED STOCKS of this great all round display. Plugs straight into your Amiga with the cable supplied FREE by GH!

Microvitec 14" Monitor & Sound... £329.95 (Includes Speakers)

CM8833 14" GH Best Seller £234.95 (Internal Speakers)

PHILIPS PRO2000 17" COLOUR MONITOR/TV

2000 Character Resolution 17" FST High Definition & FastText TeleText! Includes Remote, Loop Aerial, Headphone Socket, front panel Audio/Video input, SCART Socket (for direct connection) with FREE Leads!

Pro 2000 17" Larger Quality! £239.95 (Internal Speakers)

PHILIPS ENTRY LEVEL 14" COMPUTER TV

Ideal first time display and TV too! Infra Red Remote, front panel Audio/Video input sockets (for camcorder etc.), SCART Socket for direct computer connection, FREE Amiga Leads!

Philips 14" GH Best Budget Buy £159.95 (Internal Speaker)



Easy to fit in the trapdoor underneath your Amiga for a fast boost in power!

AMIGA RAM TRAPDOOR UPGRADES...

0.5Mb for A500 with clock	£32.95
1Mb for A500Plus with clock	£29.95
1Mb for A600	£39.95

"Confirm you're getting the BEST DEAL - call those friendly people at the UK's FAVOURITE DEALER!"

BUY FROM GH WITH ABSOLUTE CONFIDENCE! "As a family business established in 1955, we've supplied computers for the past 12 years. With over £32 million worth of units sold, and more than 215,000 happy customers, our trading record is second to none! Why don't you try us for your next Amiga product and find out just why we are the UK's Favourite Amiga Dealer! Phone us now - you'll be pleased you did!"

GH AMIGA PRINTERS

"We've selected some of our **Best Sellers** and held the prices **LOW**! Of course with GH you will receive a FREE Cable and with Dot Matrix models you also get a FREE Dust Cover!



EPSON STYLUS 800 720 dpi COLOUR INKJET

Exciting and revolutionary NEW HIGH QUALITY INKJET PRINTER! Boasting incredible 720dpi resolution max. output, the Stylus 800 is unique! Take a look at recent mag. reviews and glowing reports! If you need the ultimate low cost inkjet proofing device - This is the one for you!

(Works with current drivers but requires a new one that takes advantage of the 720dpi resolution - available soon!)

Epson Stylus Colour

Excellent and Truly Unique Budget Inkjet 720dpi Printer

ONLY... £449.95

INCLUDES SHEET FEEDER



CITIZEN PRINTER RANGE

A great range of Dot Matrix Printers...

Citizen ABC - 24Pin

Choose either Mono or Colour!

Budget MONO... £129.95

Great Value COLOUR... £154.95

Citizen 90, 9Pin Colour

One of our Best Selling COLOUR Printers...

ONLY... £164.95

Citizen 200, 24Pin Col.

Super Print Quality at a special low price

ONLY... £184.95

Citizen 240, 24Pin Col.

Super Quality Print and Feature Packed...

ONLY... £224.95



CANON BUBBLEJET RANGE

If you prefer BubbleJet (inkjet) then think Canon!

Canon BJ10sx Mono

Low cost A4 Printer with 360dpi resolution

JUST... £179.95

Canon BJ200 Mono

Low cost A4 Printer with 360dpi resolution

JUST... £239.95

Canon BJ230 Mono

Superb A4/A3 Printer with 360dpi resolution

JUST... £319.95

Canon BJ600 Colour

Fully featured A4 Printer with 360dpi resolution

JUST... £449.95



BRAND NEW HP 320 MONO INKJET PRINTER

Replaces the popular 310 model and now has 600 x 360dpi resolution. Ask for details of the optional colour kit!

New Product

HP 320 Mono

Low cost A4 Printer with 360dpi resolution

JUST... £229.95

Optional Sheet Feeder Only... £61.95

CONSUMABLES/ACCESSORIES

Canon

INKJET CARTRIDGES:

BJ10ex/sx	£15.95
BJ200/230	£15.95
BJ600 Black	£6.95
Cyan, Magenta, or Yelo	£8.95
BJC600 Pack - inc. Cyan, Magenta, Yelo, Black	£32.95
BJ800 Black	£16.95
Cyan, Magenta, or Yelo	£21.95
BJ10ex SHEET FEEDER	£84.95

(Black/White available state which you need when ordering)

CITIZEN

RIBBONS:

120D Mono	£3.95
90/C Mono	£3.95
90/C Colour	£15.95
24/200/240 Mono	£3.95
Colour	£15.95
9/24Pin 80 Col. Colour Kit	£37.95
(NB. This is not suitable for Citizen 124 Printers)	
24Pin 32K RAM (Not 200/240)	£13.95
24Pin 32K RAM (Just for 200/240)	£19.95
24Pin 128K RAM (Not 200/240)	£32.95
80 Col. AUTO SHT. FEEDER	£84.95

(Please state your printer model when ordering)

hp

INKJET CARTRIDGES:

DeskJet/Writer (Standard)	£23.95
DeskJet/Writer (Double Life)	£27.95
PaintJet	£26.95
PAPER - Single Sheet	£18.95
PAPER - 'Z' Fold	£20.95
TRANSPARENCY FILM (50Sht)	£49.95

EPSON Stylus COLOR

INKJET CARTRIDGES:

Stylus 800 Black	£19.95
Stylus 800 Black	£39.95
PAPER	
Stylus 800	£21.95

CITIZEN

ABC PRINTER ACCESSORIES:

COLOUR KIT	£24.95
TRACTOR FEED	£39.95

PHONE US FOR OTHER PRINTERS AND EVEN MORE ACCESSORIES AND CONSUMABLES AT GREAT PRICES!!!

harwood computers

THE GH ADVANTAGE...

Remember when you buy from GH we look after you! Our policy gives you... FREE UK Mainland collection and re-delivery for any major hardware item that may develop a fault in the first year, access to our special Help-Line, an option to extend most product warranties for a period of your choice and...

MUCH MORE!

Why not ask about our 'LifeTime Warranty Plan', you'll be amazed at the LOW COST! Even if you purchased hardware elsewhere you may still be able to take advantage of this unique scheme. Call us now, you'll be pleased you did!

HARWOODS GOLD SERVICE • PEACE OF MIND •

DIAL-A-DEAL

01-773-836781 or

FAX US FOR A 'QUICK-QUOTE' ON...

01-773-831040



POWERDRIVE 880K - 3.5" EXTERNAL DRIVE

Anti Click, Anti Virus, Throughport, Sony Mechanism, can be upgraded to 1.7Mb Spec. With FREE Blitz & Expander software to give 1.4Mb per disk! Cyclone compatible. Full 2year warranty.

PD 880K £49.95 Great Value

POWERDRIVE 1.7Mb HD 3.5"DRIVE

A massive 1.7Mb capacity is now available on every Amiga disk! Inc. FREE Head Cleaner

PD 1.7Mb £69.95 BIG Capacity

CUMANA 3.5" DRIVE £59.95

Throughport, Extra Long Cable FREE Head Cleaner

AMITEK 3.5" DRIVE £62.95

Built-in Anti Virus checker and FREE Disk Head Cleaner!

CYCLONE SOFTWARE £14.95

Fully compatible with either of the two Powerdrive models shown in this advert

We also supply other Disk Drives (not listed above) both internal and external at GREAT PRICES! Phone GH and ask for details



SUPRA FAX MODEMS

Supra 144LC

V32 Bis - Transmit & Receive Faxes at up to 14400bps! Includes a cable to your Amiga (Fax s/w available, see panel below)

144LC £139.95 GH Value

Modem to Modem s/w inc.

Supra 288

Feature packed! Can operate up to a FAST 28800bps! Includes a cable to your Amiga (Fax s/w available, see panel below)

288 £229.95 GH Value

Modem to Modem software included

GP FAX SOFTWARE

Required by Supras for Fax transmission and receipt. £49.95

AMIGA ACCESSORIES

AMIGA MICE:

HQ Microswitched MEGA MOUSE	£11.95
HQ Microswitched, smooth 400dpi Resolution MEGA MOUSE	£13.45
HQ Optical Microswitched mouse	£28.95
Alpha Data Mouse Pen	£32.95
HQ Microswitched Trackball	£29.95
Auto Mouse/Joystick Switcher	£17.95
Mouse Mechanic - mouse cleaner	£4.95+p&p

AMIGA MIDI INTERFACE:

Midi interface Sport £24.95

AMIGA JOYSTICKS:

Zipstick Autofire £11.95 The 'BUG' £14.95

(Full range of Quickjoy and other joysticks - PHONE!)

AMIGA DISK PRODUCTS:

TDK 3.5" DS DD - 10	£6.95	50	£29.95
TDK 3.5" DS HD - 10	£8.95	50	£39.95

Certified Bulk Disks with labels:

10 with library case	£4.95
50 Disks - No Library Cases...	£19.95
100 Disks - No Library Cases...	£35.95
250 Disks - No Library Cases...	£79.95
3.5" Essential Disk Head Cleaner -	£2.95



Listed is a small selection of our vast range of Amiga software. Phone us for more!

NEW... PAGESTREAM 3	£229.95
PEN PAL Vers. 1.5	£34.95
FINAL COPY II Release 2 - AGA	£49.45
FINAL WRITER Release 2 - AGA	£74.95
MINI OFFICE	£39.95
SCALA HT100	£35.95
DELUXE PAINT 4.1	£64.95
DELUXE PAINT 4 - AGA	£74.95
VISTA PRO 3	£29.95
VISTA PRO LITE	£29.95
ART DEPARTMENT PRO 2.5	£149.95
REAL 3D CLASSIC	£74.95
REAL 3D Vers. 2.0	£399.95
CALIGARI	£97.95
BRILLIANCE 2	£49.95 LIMITED OFFER
IMAGINE 3	£109.95
X-CAD 200	£22.95
X-CAD 3000	£227.95
ART EXPRESSION	£144.95
GB ROUTE +	£36.95
DISK EXPANDER	£32.95
PC TASK	£37.95
BLITZ BASIC 2	£54.95
DIRECTORY OPUS 4	£51.95



MOUSE MECHANIC

Keep your mouse in tip top condition the easy way. Very Effective!

Only... £4.95 +p&p

"...at GH, we'll look after you..."

SERVICE, SUPPORT and WARRANTIES: GH's One Year GH Gold Warranty gives you complete peace of mind (new for faulty goods exchange for 30 days, service for first year - we collect & redeliver free), with enhanced/extended options available as you prefer.

BY PHONE: We'll help with any queries and when you're ready to order we accept Visa, Mastercard, Access, Switch, Connect, Delta and Lombard Creditcharge (most 'store cards' are Lombard Creditcharge and we happily accept them).

BY POST or FAX: When ordering include your name, address and preferably a contact phone number with your order requirements. If charging a credit/debit card include its number and expiry date (and issue number with Switch cards).

PRICES: Please remember to confirm prices in case you are looking at an 'old' magazine. Prices can change (up or down) before the magazine's cover month has passed. Please confirm before sending orders by post.

EXPORT: Most items are available at TAX FREE PRICES to non EC residents & overseas UK Armed Forces Personnel (with CO's document). Please call us for confirmation of prices and carriage charges.

FREE UK DELIVERY: We despatch promptly & offer FREE delivery of all orders throughout Mainland UK. If your order is urgent we have priority despatch options with expedited delivery available.



"Why not pay a visit to our Amiga Showrooms?"

We're Open... Mon-Sat 9am til 5pm Wed 9am til 1pm

"Got a technical problem?" "Need an Upgrade?" "Want a new peripheral fitting?" LOOK NO FURTHER... GH engineers can do the job - that's guaranteed

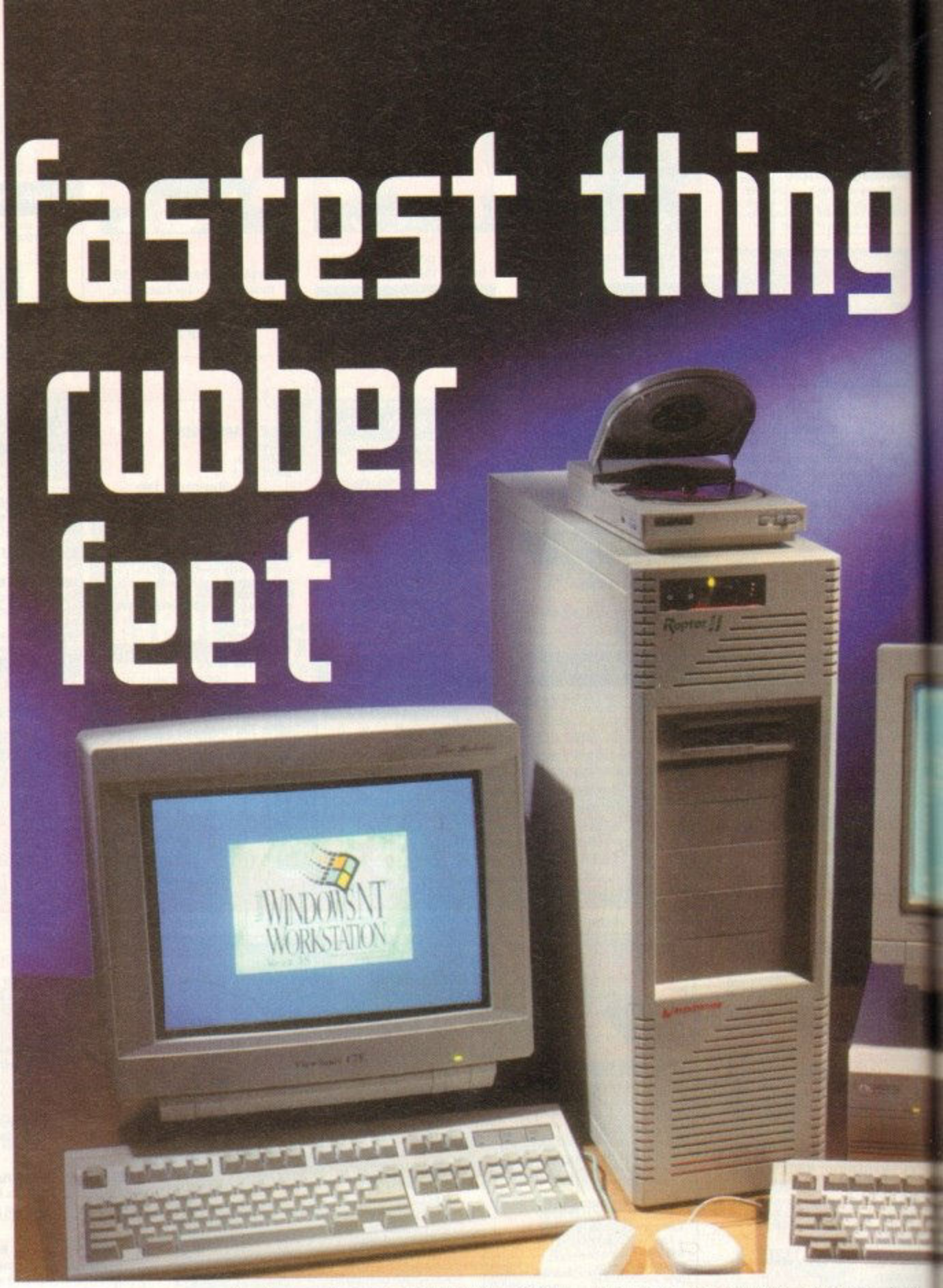
gordon harwood computers limited

the UK's favourite Amiga Dealer!

GORDON HARWOOD COMPUTERS LIMITED
(Department aco/A1)
NEW STREET ALFRETON
DERBYSHIRE DE55 7BP
Telephone: 01-773-836781
Facsimile: 01-773-831040

The four fastest thing rubber feet

65 million years in the making - the Amiga meets RISC with the Raptor. Amiga Computing explores the new union



If you've been monitoring Amiga news of late you may well have spotted Commodore's announcement to skip the planned release of the AAA chipset and opt for RISC based technology for the next generation of machines – liquidators willing.

However, as is often the case on the Amiga, a third-party developer has already taken the first step towards RISC via the Raptor rendering engine.

DeskStation Technologies – the creators of the Raptor – were initially commissioned to produce the Screamer rendering engine to accompany Newtek's Toaster, or to be more accurate Lightwave.

However, although a handful of Beta Screamers did make it out into the industry the project never came to full fruition, at which point the partnership dissolved leaving DeskStation with a lot of development seemingly down the drain. Undaunted, they went on to complete the project under their own steam, the end result being the Raptor II and Raptor Plus Workstations. Not only did the company complete the project, they in fact improved the original specification by effectively doubling the speed by adding the very latest R4600 RISC chips to the system – the fastest CPU's available in







Featuring some of the most technically impressive visuals to be seen on the Amiga, Super Stardust combines the latest in 3D-rendered sprites coupled with old style gameplay

Operators opinions

Although *Amiga Computing* has had the pleasure of a Raptor II on test, Team 17's John Allardice has been lucky enough to be at the controls of the Raptor Plus for quite some time.

As you can see from the screen shots, John is no stranger to Lightwave. As a result he's the guy to question when it comes to the finer points of the new union.

As any 3D animator will know to their cost, experimentation is the key to quality images and animation. Basically, the more test renders you make the better the end results. And in John's opinion this is the real benefit of the Raptor. Having the power to experiment makes all the difference. You learn by experience and courtesy of the Raptor – the learning curve is transformed from a mountain into a molehill.

Aside from enhancing mastery of the software, John is also particularly impressed by the Raptors ability to handle some of Lightwave's advanced animating options with ease.

During testing, full video frames which take perhaps 30 seconds to render normally only took between two to four seconds longer when rendered with time consuming extras such as motion blur and particle blur added. Normally adding such options dramatically increases rendering, but with the Raptor the difference is barely noticeable. In fact to illustrate how fast the system is, John's main complaint was the time taken to save images to disk.

On his existing system the average frame takes around 17 seconds to save – which is often half the time taken to render the actual image itself.

It's a testament to how much impact the Raptor has had on Team 17 that they have already ordered a second Raptor Plus to accompany their existing machine.



fact
on by
dding
to the
ble in

the existing range. As a result the Raptor Plus now pumps out rendered images 60 times faster than a standard 25Mhz A4000, while the Raptor II manages roughly half that via its single, rather than twin, CPU set-up, thereby matching the original Screamer speed for approximately half the price.

OK, we've mentioned it's fast, but ho does a RISC-based rendering engine link up the Amiga? A good question, with Ethernet connection being the answer. Fortunately there's much more to the Raptor II than simply a super fast CPU.

DISGUISE

In reality, each Raptor II is in fact a fully fledged RISC-based PC workstation, complete with its own monitor, mouse, keyboard, CD-ROM, SCSI II controller, Ethernet and 24-bit video board all running under WindowsNT.

As a result all you need is a compatible Ethernet card in your Amiga – the hydra III being the preferred choice. Once the two are connected all that remains is to install the ScreamerNet software and the Lightwave rendering engine onto the Raptor. The is achieved by actually installing the software on the Amiga which in turn adds the necessary software to the Raptor via the aforementioned Ethernet connection.

After installing these two disks of essential data you're off and running. In fact the floppy duet are the only elements that require installation by the user, as each Raptor ships with its Windows NT operating system pre-installed.

I must admit I find the choice of Windows NT as the preferred OS rather annoying, simply because of the massive amount of system resources it demands. However, that's NewTek's chosen OS for ➤



Witchwood – an eight-way scrolling arcade adventure with elves, fairies and other fantasy oddities

The Dream team

Available within the next few months are selections of games featuring the delights of 3D rendered scenes and action. The two most touted titles are Super Stardust and Alien Breed: Tower Assault, the former being an updated sequel to Asteroids with large and glossy 3D knobs on, and the latter the sequel to the top-down classic that includes a rather impressive introduction, as detailed elsewhere in this article.



Martyn Brown, Creative Director of Team 17

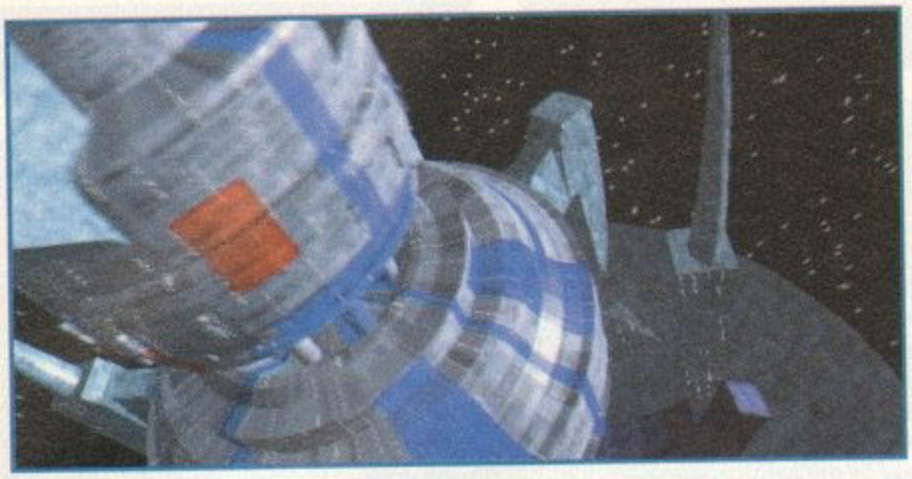
King of Thieves, also available on the Amiga, is a blend of risk-style strategy and arcade action where the player must amass as much riches, land and power as possible by planning and invading various castles and strongholds. Again, the game will feature rendered cut aways, intro and ending to add to the atmospherics.

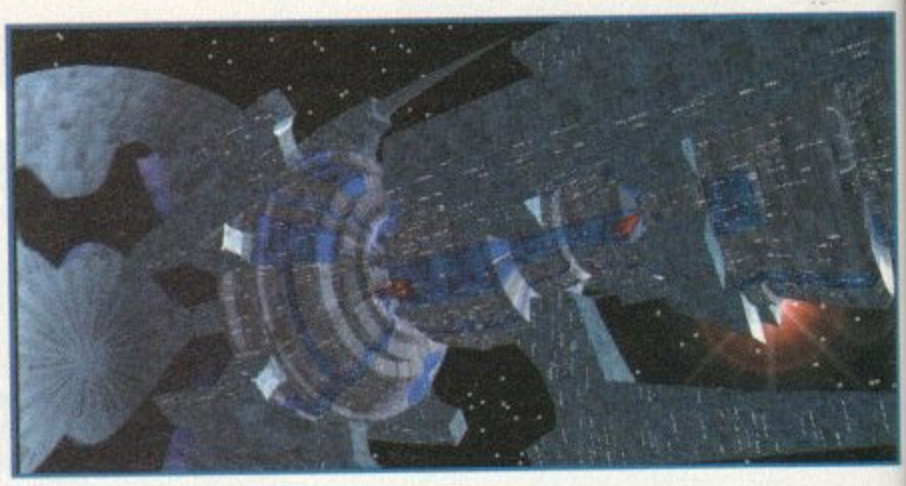
Witchwood, a scrolling adventure game, and a host of other titles are also making an appearance next year. From what we've seen so far of the work in progress, all dispirited and gloom-laden Amiga game players will be pleasantly surprised.

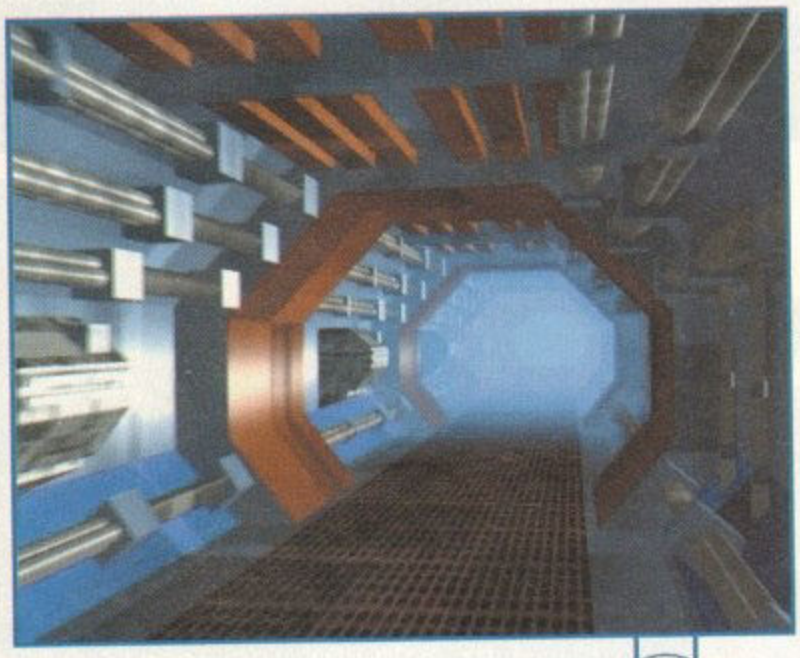




All Terrain Racing is another of Team 17's arcade orientated titles









Above and across: The power of the Raptor turning the dreams of Team17 into a 3D reality.

network rendering and given its prowess in this particular area, I suppose it's a wise move.

But even so, the fact remains that in order to run Windows NT 16Mb of RAM is a minimum – simply to boot the machine. Fortunately the Raptor II ships with 32Mb of 36-bit RAM as standard, which can be expanded to 128Mb if the need arises.

EXPANSION

Its bigger brother, namely the Raptor Plus, ships with a massive 64Mb as standard – which again can be expanded to 128.

When it comes to storage you receive a 500Mb hard drive as standard, split into two partitions, one being dedicated to import and storage of Lightwave scene files and texture maps, while the remaining drive is left to Windows NT and any other software you see fit to install.

Obviously the NT version of the infamous windows has real appeal to those running the Workstation as a network server, but as a basic OS for a rendering engine it does seem to be a case of overkill. However, it must be stressed the Raptor is sold as a complete computer which, when the need arises, can double up as a rendering engine for other machines.

In fact given the necessary Ethernet connections, customised Amiga software and the installation of the appropriate rendering engine, there's no reason it couldn't turn its hand to just about any application – in theory.

As existing Lightwave 3.5 users will be well aware, the program boasts an SN – alias Screamer Net – button on the layout control panel and it's from here you make the connection with the Raptor.

Thanks to this mysterious addition to the menu bar you have the ability to use up to eight processors connected via a Windows NT network.

As a result, the potential speed of a fully populated system is mind numbing – and would theoretically result in rendering times approaching 500 times that of a standard A4000 040.

> Thanks to this mysterious addition to the menu bar you have the ability to use up to eight processors connected via a Windows NT network.

As mentioned above, the two Raptor variants ship with one and two CPU respectively, so it's possible to add four Raptor Plus's or eight Raptor IIs to a single Amiga.

SIMPLICITY

Assuming the necessary connections and software are in place, setup is pretty straightforward. Once Lightwave is booted the first task is to initialise the Raptor by clicking on the button provided in the SN menu.

If all's well you then simply *Send All*

System speed

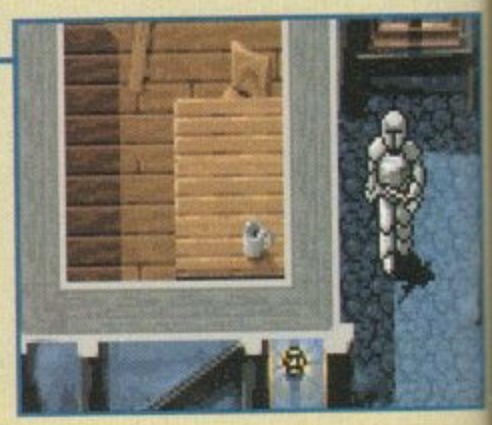
Although the Raptor system makes a dramatic difference when it comes to Lightwave, it must be stressed fully that it only has any affect on Lightwave rendering.

As a result, the rest of your system will still depend entirely on the speed of your existing CPU. As it stands, the best way to increase processing times across the Amiga in general is by adding a Warp Engine or a similar 040 accelerator to your system.

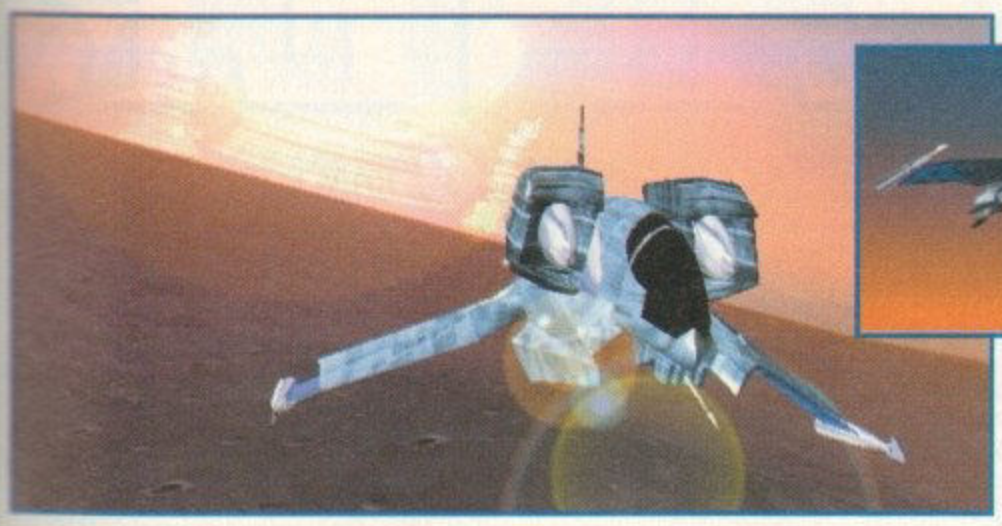
However, by the time you read this article the first generation of 060 accelerators should be shipping, which if the literature is to be believed will provide speeds around 12 times that of a standard 25Mhz 040 A4000.







The results of the Raptor Plus and Lightwave will appear throughout the CD32 version of King Of Thieves, a work-in-progress, risk-based arcade strategy game. What a mouthful







Files to the Raptor/network. At this point the entire Lightwave scene is copied to the rendering engines hard disk.

If you then select render the power of all the available CPUs on the net are put to work rendering the scene.

If for some reason you don't like the end results, you can simply alter the necessary elements and *Send Scene File*, which updates the Raptor version of your latest alterations – a big time-saver over sending the entire scene via the *Send All Files* button.

It's also possible to update objects and images within the scene via separate buttons, as well as update the Raptor version of the rendering engine when you receive a new revision to Lightwave.

When you've finished a particular scene *Clear All Files* not surprisingly removes the existing scene from the rendering engines hard drive, ensuring there's plenty of space for the next scene. AC

Verdict

By now I'm sure you've spotted the price tag for both versions of the Raptor. As a result it goes without saying the system is definitely for the very serious end of the Amiga market.

However, even at such a jaw dropping price the system nevertheless brings the Amiga true workstation performance at and even beyond that of the most powerful Silicon Graphics systems – and all at a fraction of the price.

A dinosaur in the dales

The Amiga wouldn't be the same without that group of programmers, artists and management in Wakefield, Yorkshire that have consistently produced games of high calibre for the last few years.

Team 17 are synonymous with the image of a small, youth-based bunch of enthusiasts who decided not so long ago that they wanted to do something with the Commodore machine that many other companies were having trouble doing – producing playable games.

Before you begin wondering how much Team 17 may have paid this financially starved writer to write such a glowing report, it does well to bear in mind that the average score for all their games across all magazine formats is above ninety percent. Not a bad track record.

As one of the only software companies remaining that hasn't been bought out yet by the likes of Electronic Arts or Virgin, the independent, old school of thinking Team 17 still have an extremely healthy financial backbone to apply pressure to when the need arises for investing in the future.

The Raptor Plus was one such decision. Costing in the region of £14,000, it was seen as a must-have piece of kit for the graphic artists on site. Martyn Brown, creative director and Mr Firm but Fair guy round the office, explains their predicament: "The Amiga 4000 can only render so much at a time and seemed a waste of John Allardice's [3D animation artist] potential. We came up with two options to resolve the situation – buy a Silicon Graphics machine or use the Amigas we already have."

DeskStation Technology's accelerator was and still is seen as the best choice. "On hearing that it was 60 times faster at rendering than an Amiga 4000, we went out, contacted Bill Owen at RAMiga International and bought one."

But why not an SGI? "There was no point," explains Martyn. "We already had Amigas and we would have to scale down the output of the SGI anyway for whatever machine we're targeting. Two to three platforms at the moment can show the actual output from the Raptor and Lightwave. The system is highly cost effective."

Indeed, it would seem that DID, the 3D programmers behind Inferno and the classic TFX, have plans to do the same. As one American artist said, unlike an SGI, buying a top-spec 3D Amiga system "is cheaper than a house."

The financial and time saving benefits offered by the newly installed Raptor Plus are already on ample display. "With the Raptor, you can do a minute or two of animation in a couple of days where it might have taken two weeks before. The old cliché "time is money" is very appropriate," states Martyn. " Instead of having three guys doing an intro sequence, it's just John and the Raptor."

Martyn is sure that the introduction to Microcosm, which took a long time to put together, could be created in two months with their current setup. Unlike the much hyped and overrated Psygnosis title though, Team 17's creative director is adamant that flashy intros featuring glossy 3D graphics will not become the focus of their forthcoming games.

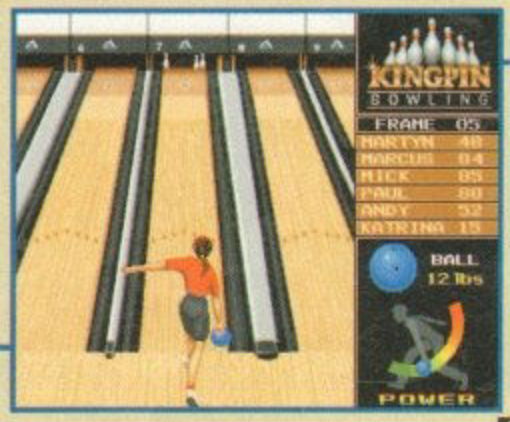
"I'm not into interactive movies. The only reason we're making the investment in the high end kit is to add atmosphere and a movie-like backing," said Martyn. "With this hardware, we can make everything look a lot better. The results add believability to the overall title – we've always concentrated on gameplay."

With the Amiga at the core of all their operations and a substantial catalogue of games to be released on the Commodore machines over the next year or so, there is no fear of Team 17 jumping boat and leaving its fans in the lurch. "People who say that you can't make money out of the Amiga are talking crap – the Amiga games are still at the top of the Gallup charts consistently."

Indeed, Martyn is quite clear on why many companies lose money when they release a product on the 1200. He believes that most releases aren't worth the disk they're stored on and punters just aren't interested in being ripped off.

As for future releases, there are some very promising titles on the way.Product: Raptor II/Plus





King Pin - another budget release from Team 17. Featuring both rendered animation and sprites, this will hopefully be the first successful attempt at converting the popular sport to the small screen

The bottom line

Supplier: Ramiga International
Price: TBA Approx £10,000 + VAT
Raptor Plus £14,500
Tel: 0690 770 304

GASTEINER

COMPUTERS

A1200	£279.00
A1200 Combat Pack	£324.99

HARD DRIVE A1200 + A600

65Mb	£134.00
85Mb	£149.00
120Mb	£189.00
240Mb	£259.00

2.5" Hard Drive inc. cable + software

MONITORS

Microvitec 1438	£289.00
Philips 8833 II	£239.00
Microvitec 1440	£399.00

AMIGA A4000

A4000/30	P.O.A.
A4000/40	P.O.A.
A4000/40LC	P.O.A.

CD ROM DRIVES

For A2000 – A4000

Tandon IDE CD-ROM Controller	£65.00
Mitsumi Dual Speed CD-ROM	£129.00

For A1200 – A600

CD-1200 Controller	£65.00
Ex-Case with PSU	£99.00
Mitsumi Dual Speed	£129.00
A1200 Overdrive CD-ROM	£194.00

RAM! A500, A600, A500+

A500 1/2Mb	£14.99
A500+ 1Mb	£19.99
A500 1/2Mb with clock	£19.99
A600 1Mb	£19.99
A600 1Mb with clock	£34.95

LOW COST A1200 RAM

32 bit RAM with clock

1Mb	£79.00
2Mb	£99.00
4Mb	£169.00
8Mb	£299.00

Co Pro for above

25MHz	£35.00
33MHz	£69.00
40MHz	£129.00
50MHz	£149.00

A4000 RAM

1Mb 32 bit	£29.95
2Mb 32 bit	£69.95
4Mb 32 bit	£129.00

RAM for GVP 30 pin

1Mb	£29.00
4Mb	£129.00

SCSI 2 CONTROLLER

Oktagon 2008 SCSI 2 for A1500 – A4000 Controller

Oktagon 2008	£129.00
170Mb + 2008	£289.00
270Mb + 2008	£329.00
340Mb + 2008	£379.00
540Mb + 2008	£449.00
1 Gig + 2008	£599.00

MICE + TRACKBALLS

Trackball Alfa Data	£29.95
Trackball Air Light	£34.95
Alfa Data Optical Mouse	£29.95
Alfa Data Pen Mouse	£33.00
290 DPI Mouse	£9.99
400 DPI Mouse	£14.95
Mouse/Joystick Switch	£12.95

MODEMS

Supra 288	£243.99
Supra 144LC	£149.00

US Robotics

Sportstar 2496 + Fax	£109.00
Sportstar 14400 + Fax	£159.00
Worldport 14400 + Fax	£259.00
Courier v32 Turbo + Fax	£239.00

ACCESSORIES

Printer Cable	£6.00
Modem/Null	£10.00
Scart Cable	£10.00
A1200 Clock	£15.00
Dust Covers	£3.99

DISKS HD or DD

100% error free bulk disks

	DD	HD
10	£3.50	£6.00
50	£16.25	£27.50
100	£31.50	£50.00
500	£150.00	£225.00
1000	£270.00	£400.00

PRINTERS

CITIZEN

ABC Col	£149.00
200 Col	£190.00
240 Col	£219.00

HEWLETT PACKARD

310	£229.00
520	£249.00
500 Col	£299.00
560 Col	£479.00

SCANNERS

Alfa Data 256 with OCR £129.00
Minimum 2Mb RAM + Hard Drive

Alfa Data New 800 DPI	£113.00
Power V4 Mono	£115.00
Alfa Data Colour	£319.00
Epson GT 6500	£599.00
Epson GT 8000	£799.00
Epson GT 9500	POA
Image FX	£99.00

HARD DRIVES

IDE Alfa Data controller and Hard Drive for A500, A500+, A2000, A3000 and A4000 with optional 8Mb RAM upgrade

Controller	£79.00
120Mb + Controller	£259.00
210Mb + Controller	£279.00
420Mb + Controller	£329.00
540Mb + Controller	£399.00

RAM for above

2Mb	£99.00
4Mb	£198.00
8Mb	£379.00

POWER SUPPLY

A500, A500+	£34.99
A600 + A1200	£34.99
A1500 + A2000	£79.00

3.5" DRIVES EXT.

Amitec 3.5"	£57.00
Power 3.5"	£50.00
Power 1.76	£89.00

3.5" DRIVES

INTERNAL REPLACEMENT

A500, A500+ internal	£39.99
A600, A1200	£49.99
A2000	£39.99

WARP ENGINE

FOR A4000 ONLY

28MHz	£799.00
40MHz	£1189.00

GIG MEM DISK EXPANDER

Disk Expander	£29.95
Gig Mem	£39.95

RAM FOR GVP A1230

1Mb	£69.99
4Mb	£189.99

ACCELERATORS

Viper 68030 for A1200

Viper Turbo	£159.00
Viper + 1Mb	£179.00
Viper + 2Mb	£219.00
Viper + 4Mb	£279.00
Viper + 8Mb	£379.00

GVP A1230 II for A1200

50MHz	£289.00
1Mb	£319.00
4Mb	£479.00
8Mb	£679.00

G-FORCE 040 for A3000/A4000

40MHz 4Mb RAM	£1259.00

G-FORCE for A1500 – A2000

030 40MHz	£679.00
030 33MHz	£979.00
EGS Spectrum	£329.00

ROMBO PRODUCTS

Vidi 12 RT	£134.99
Vidi 24 RT	£204.99

REPAIR SERVICE

New service/centre for most Amiga computers. We offer a quotation service of £10 for which we will examine your computer and report back with an exact quotation price for the repair. If the repair is carried out the £10 is then deducted from your bill.

HOW TO ORDER

When ordering by telephone please quote your credit card number followed by the expiry date and also your full name and address. If paying by cheque please make it payable to Gasteiner Technology. In any correspondence please quote a phone number and also a postal code, please allow five working days for cheque clearance.

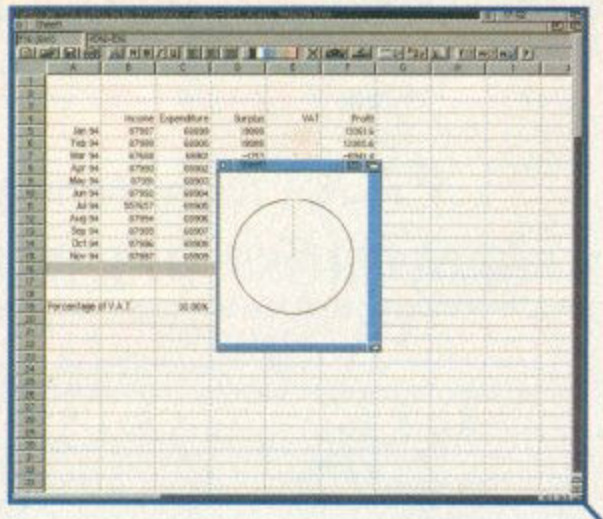
DELIVERY CHARGES

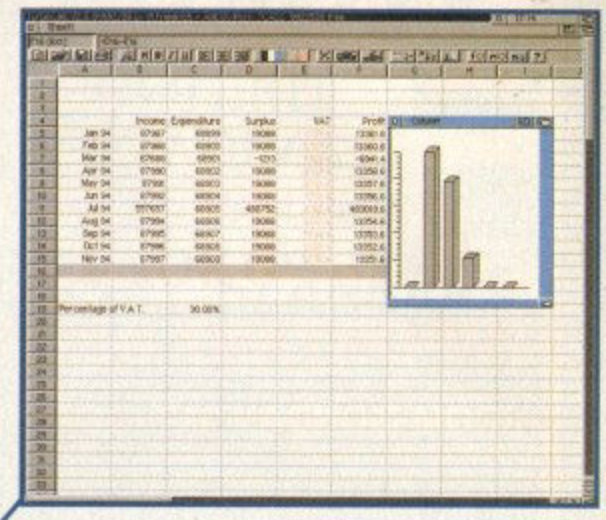
Small consumables and software items under the value of £59 please add £3.50 P&P. Other items above £59 please add £10 courier service. Offshore and highlands, please call for a quotation. In addition, we offer the following express services:- Saturday delivery normal rate plus £15 per box, Morning, next day normal rate plus £10 per box. E&OE prices subject to change without prior notice. All trademarks acknowledged.

Official purchase orders welcome from Educational establishments and major corporates. (Strictly 14 days net). Please phone for approval.
All prices include VAT. Prices and specifications subject to change without notice. E&OE.
All goods under £50 please add £3.50 p&p and all goods above £50 please add £10 Courier Service. Next day service please call.

126 Fore Street, Upper Edmonton, London N18 2AX
Tel: 081-345 6000
Fax: 081-345 6868

Major credit cards accepted





Creating charts is surprisingly easy and including a 3D effect actually makes data exciting! Well, maybe not...

Accountancy accelerator

Looking the books is painstaking enough without struggling with slow software. Rev the process up with TurboCalc Version 2.0...

When it comes to spreadsheet programs, Amiga accountants have not had the benefits of industry benchmarks like Excel or Lotus 1-2-3. However, there are some highly capable alternatives available to them.

Though Maxiplan has been at the head of the field for a long time, now the developers of TurboCalc are hoping that their V.2 can seize pole position.

TurboCalc clearly aims to outclass the competition as far as looks go. The attractive interface comes complete with quick-click icons which make accessing commonly needed commands faster and more user-friendly than keyboard shortcuts.

The concentration on appearance, however, has not been at the expense of power when it comes to data manipulation and calculation. In fact there are over a hundred functions and 120 Macros available.

All the features you'd expect are there. Selection can be done using the mouse and finding a particular cell is made easier because you can create a grid. Dragging the mouse lets you highlight a range.

Data can be cut, copied or pasted either by using menus or icons, while rows and columns can be inserted without messing up the calculations in the rest of the document.

PROTECTION

If you're using this package at home you might not want the kids poking into your personal finance files, so a protection option is provided in Turbo which should prevent any such problem.

There's also a facility allowing the user to hide rows or columns. This is important because confidential information can be included into the spreadsheet's calculations without revealing it to unauthorised people.

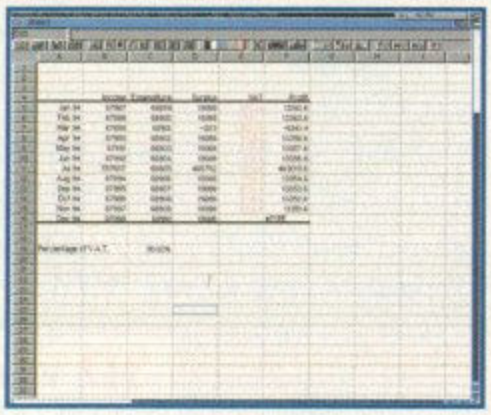
A vital time-saver is the facility to generate a series. Using it you can, for example, automatically generate a row for each day, week or month of the year. It can also be used to create a series with data.

Imagine a set of calculations is based on VAT being fixed at 15 per cent. If the VAT rate changes later, Turbo lets you alter the formula for the entire document without too much trouble by using the edit functions.

The integrated database is a powerful addition with search, sort, copy, extract, delete and other facilities such as number of matches, average and so on.

Column, bar, line, point, step and pie charts are all available. Naturally these can be sized and positioned as required and, better still, colour and 3D effects can be incorporated.

The package allows you to choose different fonts for headings and so on, and these can be enlarged for a more emphatic look. Frames can also be drawn up to highlight fields of data. Add to this the ability to change the background colour of sections of the sheet, plus alignment and column/row sizing functions and it becomes obvious that Turbo is a winner on this count.



Turbo lets you highlight a block of data using a frame

A final feather in its cap regarding presentation is its integrated graphic print. It transfers the processed sheet as a free scalable graphic to the printer and, thanks to the new scalable character set of OS2.0, produces the best quality print.

Sadly, the documentation supplied was not up to the standards set so far. An attempt has been made to cater for the beginner but the translation from German into English sometimes causes confusion.

On-line help isn't bad and covers most of the commands you'll need. Having said that, sections could be sub-divided more to allow quicker access to the required topic.

Turbo not only supports ARexx but it also has a built in Macro-feature and these powerful tools will allow users to automate processes. Even the beginner should be able to use Macros in this program. They can either pick from a menu of built-in options or they can record a sequence of keyboard instructions. AC

In charge

Small faults aside, TurboCalc is an excellent product. In fact, our accountant was impressed enough to compare it favourably with Excel, with which it has a lot of similarities.

The speed and simplicity offered by the interface has by no means compromised its power as a pure spreadsheet analysis program. What's more, Amiga accounts work has never looked this good before.

To be honest, most home users won't use more than a fifth of the functions available, but its flexibility is commendable all the same. Already popular in Germany, Turbo deserves to be a winner over here.

SYSTEM ESSENTIALS

RED = Essential **BLACK** = Recommended

512Mb RAM | 1Mb RAM | 1.2+ Workbench

The bottom line

Product: TurboCalc V2.0
Distributor: Power Computing Ltd., 44 a/b Stanley Street, Bedford MK41 7RW
Tel.: 0234 273000
Price: £59.95

Ease of use	**9**
Implementation	**8**
Value for money	**9**
Overall	**9**

E & OE
03/10/94

White Knight Technology

THE PROFESSIONAL
AMIGA SPECIALISTS
SUPPORTING SERIOUS USERS

2.5% Surcharge On Credit Cards. NOT Switch or Visa-Delta

0992 - 714539
FAX 9.30am - 6pm Monday - Friday



PO BOX 2395, WALTHAM CROSS, HERTS, EN8 7HQ

IMPORTANT INFORMATION - WE ARE MOVING

FROM MONDAY 31ST OCTOBER '94, OUR NEW NUMBERS WILL BE :-

Telephone : 01920 822321 Fax : 01920 822302

NEW HOURS OF BUSINESS WILL BE 9.30AM TO 6PM

OUR ADDRESS REMAINS P.O. BOX 2395 (AS ABOVE) UNTIL FURTHER NOTICE

A1200 ACCELERATORS

BLIZZARD 1230-II TURBO
Two Standard SIMM Slots, Clock, Optional 68882 FPU And SCSI Port, No RAM fitted

WITH	40MHz EC030, No MMU	£ 225
	40MHz EC030 & 33MHz FPU	£ 275
	40MHz EC030 & 50MHz FPU	£ 325
	50MHz 68030 and MMU	£ 289
	50MHz 68030 & 50MHz FPU	£ 399
BLIZZARD SCSI-II I/F for 1230-II		£ 79

GVP A1230 Performance Series II
Two SIMM Slots (GVP's 4 or 16Mb only), Clock, Optional 68882 FPU And SCSI Port

WITH	40MHz EC030,4Mb RAM	£ 419
	40MHz EC030,4Mb RAM and 40MHz 68882 FPU	£ 519
	50MHz 030,4Mb RAM	£ 489
	50MHz 030, 4Mb RAM and 50MHz 68882 FPU	£ 589
GVP A1291 SCSI I/F for A1230 II		£ 59

A4000 ACCELERATORS

WARP ENGINE 28 / 33 / 40MHz 68040
4 x 72Pin SIMM Slots for upto 128Mb RAM
Built in FAST SCSI-II DMA Interface

28MHz Vèrsion (With 68040/25)	£ 799
33MHz Version (With 68040/33)	£ 949
40MHz Version (With 68040/40)	£ 1199

BLIZZARD 4030 TURBO 50MHz 68030 + MMU, Opt. FPU (For A3000/4000) £ 259
Available with **50MHz 68882 FPU** for £ 369

COMMODORE A3640 Card, 25MHz 68040 (As Fitted In Amiga 4000-040) S/H £ 499

CYBERSTORM 040/40MHz 68040 + 32-Bit RAM, Opt. SCSI-II (For A4000 range) £ 899

GVP G-FORCE 40MHz 68040 + 4Mb 32Bit RAM (Exp. 128Mb), Optional SCSI-II DMA Controller (For A3000/4000) £ 989

A2000 ACCELERATORS

GVP G-FORCE 40MHz 68EC030 + 882, 4MB 32-Bit RAM + SCSI Port £ 685

GVP G-FORCE 33MHz 68040 + 4MB RAM, SCSI, Ser & Par Ports £ 979

ALL PRICES INCLUDE VAT

AMIGA 4000

ALL AMIGA 4000 MODELS ARE IN VERY SHORT SUPPLY - PLEASE CALL FOR PRICES AND AVALIBILITY

AUDIO PRODUCTS

SUNRIZE AD516 / STUDIO 16
8 Track Stereo, 16-Bit, Better than CD Quality - Direct to Disk Recording, Editing & Playback. Can be used in conjunction with Bars & Pipes Professional, the DPS Personal Animation Recorder (PAR) and also the new Digital Broadcaster 32 from Digital Micronics.

Now £ 999 Inc. VAT

Please Call For A Full Brochure

LIGHTWAVE 3D V3.5

Official PAL Version FROM NEWTEK

Still Only £ 449

RAPTOR PLUS

RENDERING ENGINE
For LIGHTWAVE 3D

128Mb RAM, ScreamerNet Software, Ethernet Card & Enlan DFS Software

Configurations From £ 12,900 Plus VAT

3.1 UPGRADE KIT

WORKBENCH & KICKSTART
Manual set with 6 disks, ROM(s), and instructions

A500/500+/1500/2000	£ 89.95
A3000/3000T/4000	£ 99.95

HARD DRIVES

Bare SCSI

290 MB SCSI 3.5"	£ 249
535 MB SCSI2 3.5"	£ 349
1.0 GB SCSI2 3.5"	£ 699
2.1 GB SCSI2 3.5"	£1199
9 GB SCSI2 5.25"	£3499

BARRACUDA
The Fastest SCSI--2 Drive (5.8 Mb/s Sustained)
2.1Gb £ 1399
4.3Gb £ 2299

A4000 IDE

340 MB IDE 3.5"	£ 219
420 MB IDE 3.5"	£ 249
540 MB IDE 3.5"	£ 309
1.1 GB IDE 3.5"	£ 599

HARD DRIVE CONTROLLER

FASTLANE Z3
SCSI-II + Upto 256Mb 32-Bit RAM For the A4000
Now Only £ 299

AMIGA 1200

A1200+ 85 MB HD	£ 445
A1200+127MB HD	£ 489
A1200+200MB HD	£ 519
A1200+340MB HD	£ 689

MEMORY SIMM'S

32MB	SIMM-32	£ 1149
16MB	SIMM-32	£ 649
8MB	SIMM-32	£ 325
4MB	SIMM-32	£ 150
2MB	SIMM-32	£ 85
1MB	SIMM-32	£ 29
GVP SIMM-32's		
4MB		£ 195
16MB		£ 985

VIDEO EDIT CONTROLLER - The KRP "TES20"

Amiga Based System Using "Burned In" Timecode. Controls Upto 4 Machines. RCTC compatible, SMPTE read & write. GPI Trigger. LANC / Panasonic / RS232 etc. Shot Lists, Vision Mixer control, Audio cues, unlimited scene capacity, synchronised audio dubbing. Upgradable to upto 8 parallel control industrial machines, RS422 and VITC.

Prices From £ 499

Please Call For Full Specifications Of This System

REMOVABLE DRIVES

"THE BOX 150" BERNOULLI By IOMEGA

150MB SCSI-2 INTERNAL DRIVE	£ 485
150MB SCSI-2 EXTERNAL DRIVE	£ 555
150MB REMOVABLE CARTRIDGE	£ 95

SYQUEST DRIVES

105MB SCSI INT. 3.5" x 1" DRIVE	£ 295
105MB SCSI EXTERNAL DRIVE	£ 415
105MB REMOVABLE CARTRIDGE	£ 55
270MB SCSI INT. 3.5" x 1" DRIVE	£ 449
270MB SCSI EXTERNAL DRIVE	£ 589
270MB REMOVABLE CARTRIDGE	£ 65

All Bernoulli And Syquest Drives are supplied with one FREE Cartridge

MAGNETO OPTICAL DRIVES

FUJITSU 128MB SCSI INTERNAL	£ 649
FUJITSU 128MB SCSI EXTERNAL	£ 749
FUJITSU 230MB SCSI INTERNAL	£ 799
FUJITSU 230MB SCSI EXTERNAL	£ 899
BOX OF 5 128MB MO DISKS	£ 149
BOX OF 5 230MB MO DISKS	£ 249

DAT TAPE BACKUP

CONNOR SCSI DAT - 2Gb, Ext.	£1029
CONNOR SCSI DAT - 8Gb, Ext.	£1109

CD ROM DRIVES

TOSHIBA XM4101B SCSI-2 (Int.),Twin Speed, Multi-Session (Tray Load)	£ 219
TOSHIBA XM4101B SCSI-2 (Ext.),Twin Speed, Multi-Session (Tray Load)	£ 279
TOSHIBA XM3401B SCSI-2 T/Speed Int., MS, Fast Access (Caddy Load)	£ 279
TOSHIBA XM3401B SCSI-2 T/Speed Ext., MS, Fast Access (Caddy Load)	£ 409

SOFTWARE

VISTA PRO 3.1, DISTANT SUNS V5.0, TERRAFORM & MAKEPATH Bundle		£ 65
LIGHTWAVE 3D V3.5 (PAL)		£ 449
ART DEPT. PRO.	V2.5	£ 149
REAL 3D V2	New Price	£ 339
BARS & PIPES PRO	V2.5	£ 215
MEDIA POINT	V3.28	£ 229
TVPAINT 2 (Picasso / Retina / Harlequin / EGS)		£ 179
SCALA MULTIMEDIA 210 (AGA)		£ 145
SCALA MULTIMEDIA 300 (AGA)		£ 299
SCALA MM 300 + ECHO 100		£ 389
SCALA ECHO 100 Edit Controller		£ 139
PRO CONTROL	(For ADPRO)	£ 65
ASIM CD-ROM FILESYSTEM (V2)		£ 55
MORPH PLUS		£ 149
QUARTERBACK TOOLS DELUXE		£ 79

Other Professional Software Available On Request

CPU's & FPU's

68881 20MHz PGA	£ 29	68882 25MHz PGA	£ 49
68882 33MHz PGA	£ 79	68882 50MHz PGA	£ 99
68882 25MHz PLCC - For A4000/030 etc.			£ 69
68882 33MHz PLCC - For A4000/030 etc.			£ 89
68882 40MHz PLCC - For A4000/030 etc.			£ 119
68040 25MHz - For Upgrading A4000-LC040			£ 165
68030 25MHz with MMU (PGA Style)			£ 59
68030 33MHz with MMU (PGA Style)			£ 89
68030 50MHz with MMU (PGA Style)			£ 109

VIDEO PRODUCTS

DIGITAL BROADCASTER 32

This Zorro III card performs the major functions of a **Broadcast Quality, On-Line, Non-Linear, Digital** Video edit suite (CCIR601 720 x 576 resolution) . It provides REAL-TIME, FULL MOTION JPEG (50 fields / second) Capture & Compression, direct to hard disk. The video can then be edited and subsequently played back in REAL-TIME, at 50 fields/sec in upto broadcast quality - direct to video tape etc. The board has full LTC and VITC timecoding, both read & write (on all connectors - Composite, Y/C and YUV). It also interfaces with the AD516 Studio 16, 8 track stereo audio card from Sunrize Industries to enable simultaneous audio and video editing. It requires an Amiga 4000 or 4000T with full 68040 processor, a large SCSI-2 hard drive, and a fast SCSI-2 hard drive controller.

Typical System : (Approx £10,000 inc. VAT)

Amiga 4000-030 (2 +8Mb, 1.0Gb HD)
Digital Broadcaster 32 (Zorro III Card)
MediaFlex Producer (Editing Software)
Warp Engine 28MHz 040 with SCSI-II
2.1Gb Fast SCSI-2 3.5" HD (For Video)
Sunrize AD516 / Studio 16 (Audio Card)
Cub-Scan 1438 Monitor (For Amiga)
Sharp 14" TV / Monitor (For Video)
Image Processing Software (ADPRO)
System Configuration & Testing

AVAILABLE NOW

GIVING FULL, BROADCAST (Beta SP) QUALITY, ON-LINE, NON-LINEAR, VIDEO EDITING !

FOR FURTHER DETAILS, PLEASE CALL.

Dealers - We are SOLE UK Distributors - Call

OPALVISION

MAIN BOARD (V.2)	£ 399
VIDEO PROCESSOR	£ ??
VIDEO SUITE	£ ??

GVP TBC Plus TBC card with transcoding PAL/SECAM/NTSC etc.	£ 685
FRAMEBUFFER RAM for GVP TBC+	£ 195
COMB FILTER for GVP TBC+	£ 59
GVP G-Lock External Composite & S-VHS / Hi8 unit. S/W Controlled	£ 265
VLab Y/C Real-time Hi8 digitiser card	£ 349
RETINA Z3 24Bit Zorro III card, 1Mb	£ 469
RETINA Z3 24Bit Zorro III card, 4Mb	£ 619
RETINA DISPLAY CARD 2Mb	£ 375
RETINA DISPLAY CARD 4Mb	£ 485
PICASSO II RTG Card With 2Mb VRAM Now supplied with TVPaint Jr.	£ 339
PICASSO II with Workbench & Kickstart 3.1 Upgrade (A2000)	£ 409
(A3000/4000)	£ 419

Many Other Professional Video Products Also Available - Please Call For Details

MONITORS

PHILIPS CM8833-II 14" PAL RGB, Y/C & Composite Input (0.38 dot pitch, Stereo)	£ 239
MICROVITEC CUB-SCAN 1438 14" (Multi-sync, 0.28 dot pitch, No Sound)	£ 295

LOOK

UPGRADE YOUR A4000-EC030 TO AN A4000-040

With The COMMODORE A3640 Card. 25MHz Full 68040 With FPU & MMU

FOR ONLY £ 499

SCANNERS

EPSON GT-6500 A4, 24-Bit Colour with ASDG Software & Cable **£ 699**

MICROBOTICS

SX - 1

Expansion for CD32 **£ 195**

SYSTEM BUILDING

WE HAVE THE EXPERTISE TO BUILD A COMPLETE SYSTEM FOR YOUR APPLICATION - PLEASE CALL TO DISCUSS YOUR REQUIREMENTS

SPECIALISTS

WE KNOW ABOUT THE PRODUCTS THAT WE SELL, AND ARE MORE THAN HAPPY TO ADVISE YOU.

SERVICE

FOR A PERSONAL SERVICE, AND AFTER-SALES BACKUP THAT IS SECOND TO NONE, LOOK NO FURTHER

DELIVERY CHARGES

Express Small £ 6
Medium £ 7

For large items, please call.

SURCHARGE

If ordering with ACCESS or VISA there is a 2.5% surcharge.

No surcharge for DELTA, CONNECT or SWITCH.

HOW TO ORDER

HAVE YOUR CARD DETAILS READY, AND CALL :-

0992 714539

New Phone Number From 31/10/94 Is **01920 822321**

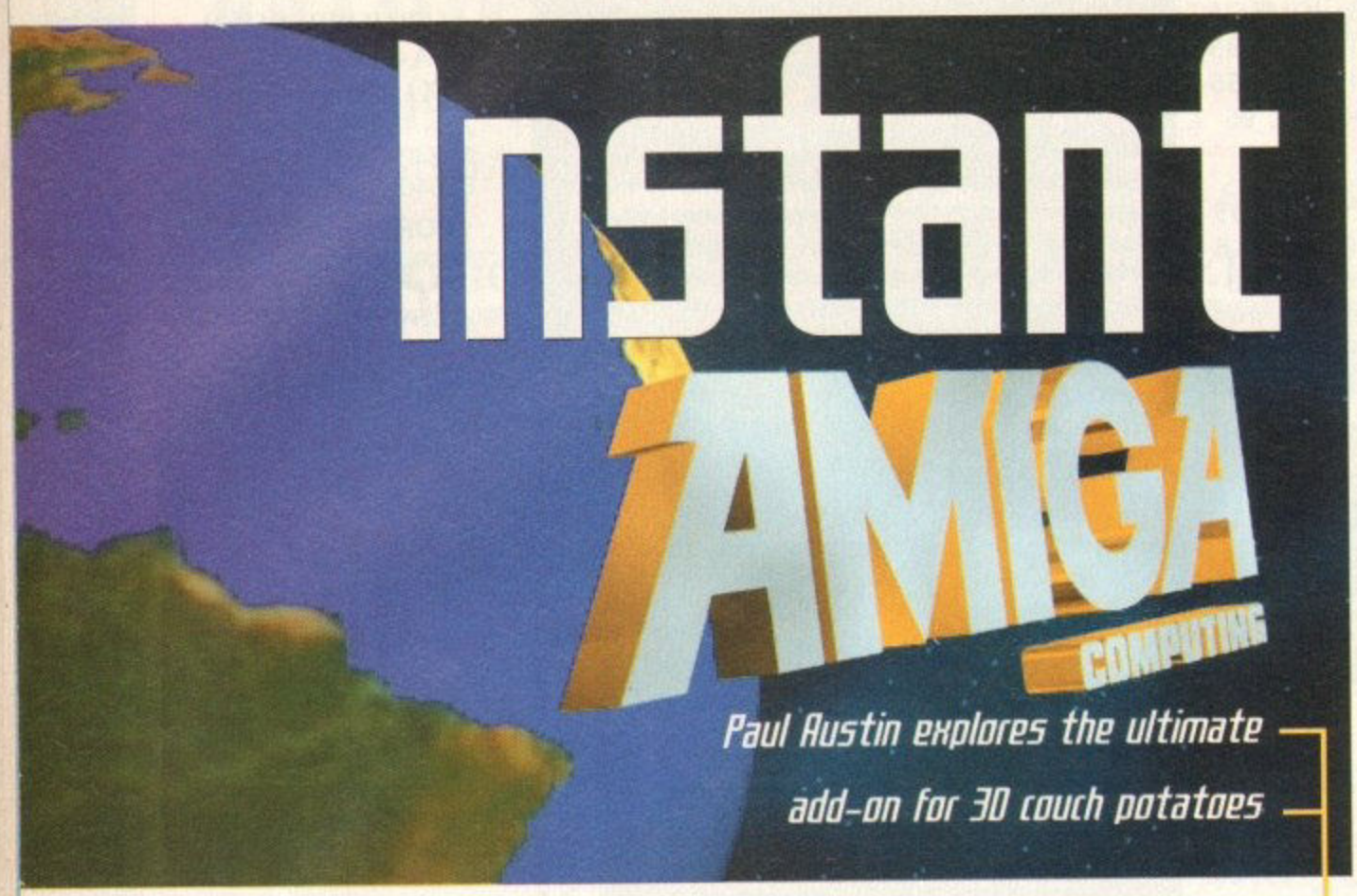
9.30 - 6 Monday - Friday

BY POST :-

CALL FIRST TO VERIFY PRICE AND AVAILIBILITY, BEFORE SENDING YOUR ORDER TO :-

"WHITE KNIGHT TECHNOLOGY", P.O. BOX 2395, WALTHAM CROSS, HERTS. EN8 7HQ

Instant eye



Paul Austin explores the ultimate add-on for 3D couch potatoes



Instant storyboards at the touch of a button

With the flood of Lightwave add-ons pouring in from across the pond, it may seem a little hasty to pick one package as the best of the bunch. However, after spending a few hours in the company of Wavemaker it's a risk I'm more than willing to take.

Unlike the vast majority of third-party offerings, Wavemaker doesn't actually add any new features to the basic Lightwave repertoire. However, what it does provide is nothing short of a dream come true for countless commercial animators.

In short, it brings automation to the sometimes painful process of 3D design and animation. In essence, Wavemaker does for 3D what Scala & Co. have done for 2D images and conventional Amiga animation.

Basically the program is the first to offer point and click 3D design. During installation a huge collection of motion paths, objects and even the odd texture map is added – all neatly tucked away in the Wavemaker directory.

After the five disks have finished adding their contents to your system, all that remains is to fire-up the software and sit back in amazement as the software goes to work compiling animated scenes in seconds, which normally would take hours of painstaking attention to detail.

Although a slight exaggeration, this is almost exactly what happens when using the software in its simplest form. The only thing required is an existing Lightwave logotype object. This can be anything you like, usually consisting of extruded text.

As you're probably aware Lightwave, or rather modeler, can convert PostScript fonts into 2D polygons which in turn can be extruded into 3D. Assuming you have either a string of text or an existing 3D logo, you simply select it and you're off. At this point the object is auto-scaled to fit in with the other elements in the newly created Wavemaker scene. However, this doesn't mean your existing logo will be overwritten. Thankfully the program simply scales the object and saves it out with the same name plus a .WM suffix – therefore leaving your original object safe and sound.

Once scaled you have three choices. Firstly, you can let the software apply a little artificial intelligence and build an entire animation automatically using its own selection of objects, motion paths and colour combinations.

The second alternative is to go for one of the 16 Prefab animations. In this case you have a greater degree of control courtesy of a pop-up requester which enables you to define the duration of the logos introduction plus the amount of time – in frames – that it will be held in position.

INTERCHANGE

In addition you're also given the choice to use your existing logo, exchange it for another, or use a null object, which in reality is simply a reference point which denotes the location of a would-be logo in the scene – the idea being that you use Lightwave's replace object feature to interchange the logos of your choice – or perhaps leave it out altogether.

The third, and by far the most flexible option is to build your own animation from all the elements on offer. Although this involves a few extra mouse clicks, the end results are well worth it as layer after layer of animated objects accompany your logo – each with its own designer motion path and surface attributes.

At this point it's perhaps worth explaining what kind of animation, and perhaps more to the point, what kind of animator Wavemaker has been designed for.

Wavemaker is unlikely to win you any prizes as a 3D animator. However it's very likely to secure many a commercial contract.

A fly in the ointment

As you've probably gathered, Wavemaker is impressive, but there is one slight problem. Although designed to work hand in hand with Lightwave, I'm afraid in certain cases it doesn't.

As you can see from the screen shot, certain aspects of the interface are dedicated to interacting directly with Lightwave – the idea being you run both programs simultaneously.

For the most part this option works perfectly. However due to what Axiom Software describe as a bug within Lightwave3.5, the program cannot transfer scenes directly to Lightwave as it can with earlier versions.

The problem is caused because 3.5 demands at least one light in every scene file. In the past this wasn't the case, and as a result Wavemaker doesn't including a light as part of its scene files.

Unfortunately, like many other third-party products it has been caught out by the surprise release of 3.5. According to a spokesman at Axiom they've already contacted Lightwave's designer and he has promised to rectify the problem with the next Lightwave upgrade – due in November. In practise this means you cannot run both packages simultaneously, as Wavemaker automatically updates the present Lightwave scene whenever you save a newly created script – at which point Lightwave crashes.

Although a seemingly terminal problem, there is a simple solution. You simply create and save your script, at which point a Lightwave scene file is generated automatically.

You then load Lightwave, import the scene manually, save it immediately – at which point a single light is added by Lightwave – then reload it and everything works perfectly.

In practise this is only a minor inconvenience, however it does affect one feature quite dramatically. Unfortunately, due to the problem it's impossible to use the Render Frame feature within Wavemaker, as this demands you save the script with Lightwave running in the background, which of course causes a crash.

Fortunately this is the only feature lost as all others work perfectly, regardless of whether Lightwave is active or otherwise.

candy



A classic example of instant animation, simply add a few elements and vôilà, a corporate classic

As ever it's difficult to envisage animation on the page, but if you've ever watched the interludes during the Super bowl you've seen exactly the kind of animation Wavemaker can create.

In short, fast and glossy American eye candy, the stuff that corporate types kill for. It's glitz and glamour approach may not appeal to your artistic sensibilities but the end results are about as eye catching as anything you'll ever see on-screen.

The basic system revolves around adding a user definable motion path for your logo amidst a sea of what are known as nurnies. Nurnies being a term coined by Ron Thornton, the British animator responsible for the Lightwave sequences in Babylon5.

A nurnie is simply a generic name for anything and everything that has no real purpose, other than to add a little more excitement to a scene. The phenomena usually take the form of flying stars, streaks, and all manner of revolving shapes which invariably fly around in all directions.

Take them away and you have a boring bounce-on, bounce-off logo anim, add them and you have what appears to be a massive 3D production number.

Admittedly, Wavemaker offers more than just automated nurnie generation, but in essence that's what's on offer. Cliché perhaps, but I guarantee the package would pay for itself within days. Obviously, once the novelty of the Smart anim and Prefab options has worn off the vast majority of your time is spent compiling your own designs from the elements on offer. But even in this, the most complex option, a dozen yes/no mouse clicks still completes the entire process.

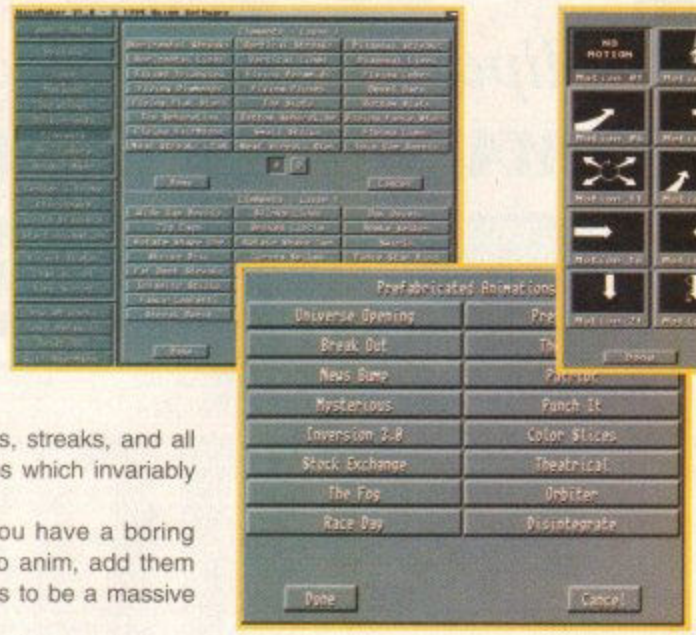
Once the ubiquitous logo is chosen you then pick between one of 75 intro motions, hold positions and outtro styles – all shown as miniature graphic push-button selectors.

After specifying motion you move on to defining the pause prior to the introduction, the time taken for the intro itself, its pause in position, the outtro, and finally the frame time before the anim concludes.

Next comes background selection. Here you can choose between a solid, a gradient – eight styles are provided with user control over both the light and dark colours – a single image or image sequence.

Following this comes the all important elements, consisting of eight separate layer locations each holding its own animated collection of objects. Once selected, the majority pop-up a second requester enabling you to define its direction, rotation if applicable, speed and colouring.

In total there are 48 separate effects on offer, each of which can be customised. Add all eight layers together and, as you can imagine, the end results can be impressive.



The basic control screens – clean, simple and incredibly effective

Next comes camera control. Admittedly this is pretty basic stuff with the options ranging from; A little closer, Default and Back a little However, one of the beauties of WaveMaker anims is the minimal use of key frames, so there's no problem editing object or camera movement when the scene is loaded into Lightwave.

The final element is to decide which resolution and rendering settings your new scene will employ – again all very straightforward.

As you'd expect you can choose between resolutions, but better still, by using the advanced options it's possible to specify whether you require anti-aliasing, the aspect ratio, and whether or not to use field rendering and motion blur. AC

Whistles and bells

Although Wavemaker generates its own script files and Lightwave scene files, it's also more than happy to operate with standard Lightwave scene files. As a result it can also prove an essential overall production tool.

A particularly pleasant addition is the ability to generate storyboards from any Lightwave scene. To produce a storyboard you simply select a scene file and specify whether you want nine or 16 panels in the storyboard image.

The software then automatically divides the scene by the chosen number and sets about rendering those frames in the resolution of your choice. Once rendered, it then loads each frame for the storyboard into the supplied scene, mapping the newly created images onto a series of panel objects. This is then rendered separately and you end up with a complete storyboard, ready to use a as reference for yourself and your clients.

Another excellent addition is the Build Sequence option. A click on this button reveals a requester which can hold 15 separate scenes that can be rendered in sequence automatically.

Each scene location has its own output requester, so you can specify individual save locations for each, with the images saved as either RGB's or Framestores. And of course frame start, stop and step can also be user defined.

Thanks to this excellent addition, you can set-up a huge batch render of multiple scenes and leave the combination of Wavemaker and Lightwave to generate the whole thing automatically over as many hours or days as it takes.

It's also possible to render a single scene using the Start animation button. Quite why you wouldn't quit out and render direct from Lightwave is a mystery, but I suppose it's been added for completeness.

Verdict

Obviously the problem of direct scene importation is slightly annoying, but to be honest it isn't a major problem. As a whole, Wavemaker is nothing short of a masterpiece, and for anyone who does a lot of corporate videography it's an absolute essential. Quite simply add-on software at its very best.

SYSTEM ESSENTIALS

RED = Essential **BLACK** = Recommended



The bottom line

Product: Wavemaker
Supplier: Radiosity
Tel: 0101 612 787 0855
Fax: 0101 612 787 0856
Price: $249 .99

Ease of use	**10**
Implementation	**8**
Value for money	**8**
Overall	**9**

EPIC

Order hotline. 0793 490988

VISA MasterCard EUROCARD Access

Professional Clipart, Fonts, Objects & Sounds for all Amigas

SOUND FX

£2.00 A DISK

- SFX01 VEHICLES — Cars skidding, breaking etc.
- SFX02-2 MOVIES — Inc. 2001, Monty Python, Wizard of Oz, Starwars etc.
- SFX04 STAR TREK — A range of Star Trek SFX.
- SFX05 HOUSEMUSIC — Samples of Housey effects.
- SFX06 BOMBASS — Bass sound fx.
- SFX07 ALARMS — Car alarms, security alarms, etc.
- SFX08 HUMAN — Weird humanoid sounds.
- SFX09 MACHINES — Mechanical machines etc.
- SFX10 EXPLOSIONS — Explosions and Breaking effects.
- SFX11-2 CARTOON — Bugs Bunny and friends.
- SFX13 ALIENS — Creepy things.
- SFX14 WEAPONS — Inc guns, grenades, explosions etc.
- SFX15-2 CREATURES — Large collection of creature sound effects. Inc dogs, cats, chickens etc.
- SFX17 NATURE — Wind, thunder, hurricane etc.
- SFX18-2 MUSICAL — Huge range of musical effects.
- SFX20-2 NOISES — Creaky doors, drips, explosions, beeps etc.

SAMPLES

£2.00 A DISK

- V4211-5 RAVE SAMPLES 1-5 — Top quality rave samples 100s.
- V4065 BASS SAMPLES
- V253 IFF SAMPLES A.BRIMBLE
- V311 NIGEL'S IFF SAMPLES
- V314-6 IFF SOUND SAMPLES
- V1068-3 HOUSE SAMPLES 1-3
- V1223 PSYGNOSIS SAMPLES
- V1737-5 XPREZ SAMPLES 1-5
- V1751 X-PRESS SAMPLES
- V1755 QUALITY SAMPLES
- V2010 ELECTRONIC SAMPLES
- V2586-4 IFF SAMPLES 1-4
- V2921-2 PURE SAMPLES
- V2924 PURE SAMPLES 3
- V3379-3 OCTAMED PRO Samples
- V3733 OCTAMED SAMPLES
- V3753-2 DRUMKIT SAMPLES
- V3757 RAVE SAMPLES
- V3917-12 ROGER'S SAMPLES

>> for use in any music package <<

VOCALS 1-5

Huge range of varied vocal effects, ranging from Rave to Choir etc.
All five disks for just £10.00

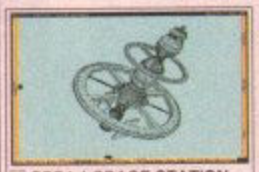
BREAK BEATS 1-5

Large collection of very high quality loopable Beats. Perfect for back tracks.
All five disks for just £10.00

IMAGINE SOFTWARE

£2.00 A DISK unless stated

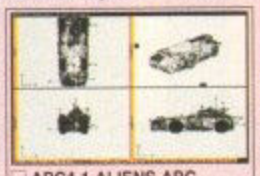
Complete Imagine object list. Free with any order



SPS4-1 SPACE STATION — Includes a stunning space station object and a space cruiser. £4.00

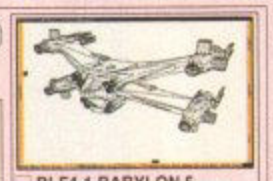


Wi04-1 FORMULA ONE — Stunning Williams Formula One Racing car object. Only £4.00



APC4-1 ALIENS APC — Aliens Armoured Personnel Carrier. Only £4.00

- V3930 DINOSAURS & ANIMALS — Includes different animals including an animated T-REX
- V3931 WWII & MISC AIRCRAFT — A number of different aircraft
- V3932 MODERN AIRCRAFT — Apache, Boeing 737, F117, F15, SR71 Blackbird, X29 and more
- V3933 STARWARS OBJECTS — Loads of different objects form Star Wars
- V3934 STAR TREK OBJECTS — Loads of different objects from Star Trek
- V3935 AMIGA 1000 OBJECT — Keyboard, Mouse Base
- V3936 AMIGA A3000 OBJECT — An object of the Amiga 3000
- V3937 BILLIARD, BUILDINGS — Includes various objects including Chess and various buildings
- V3940-2 VEHICLES — Includes BMW, Future Bike, Ferrari F1, 32 Dodge, Steam Engine
- V3942 MISC. OBJECTS — Apple, Sonic, Commodore, Surfboard, Joystick, etc
- V3700-2 IMAGINE OBJECTS 1&2 — A collection of various objects, Tommy Gun, Chess Pieces, etc
- V3816 USS ENTERPRISE — Star Trek object. It's so detailed you need at least 4 meg.
- V4110 IMAGINE TEXTURES — A collection of attribute textures
- V4111 IMAGINE "Q&A" — The most asked questions answered
- V4400 ATTRIBUTES 2 — Hundreds of stunning new attribute textures



BLF4-1 BABYLON 5 — Four superb Imagine objects of Babylon 5 spacecraft. Only £4.00

IMAGINE

HINTS, TIPS & TUTORIALS

The perfect companion for all Imagine users.

This 40-page booklet written by experienced Imagine users covers a wide range of Imagine features including: Brush mapping, Special effects, Animation, using video tape, Transparencies, Making your own objects, Rotation, Anti-aliasing, Tumble effects, Star fields Tracking the camera, Lasers & special effects and more.

Whether you're a novice or a professional Imagine user you'll benefit from what this booklet has to offer.

FREE IMAGINE COMPANION DISK

Disk includes a range of textures, attributes, objects and a complete animation for you to render.

Introductory price £7.95

ORDER ☐ IMAGINE HINTS & TIPS

FONT SETS

£2.00 A DISK

Fonts! Fonts! Fonts!
**IFF & Clip fonts for use in Deluxe Paint*
**Bitmap fonts can be used in D-Paint, Penpal, Wordsworth, Kindwords etc*
**Compugraphic & Adobe fonts are okay with Page Stream, Pro-Page, Wordsworth and more*

- V89 FONTS...by the Dark Lord
- V153 VFPD IFF FONT PICS 1
- V364 FONT AND FONT UTILS
- V653 FONTS
- V887 IFF FONTS
- V937 IFF FONTS
- V1502 HEADLINE FONTS
- V1582 FONTS
- V1715 RSI DEMO-MAKER FONTS
- V1721 EXILE COLOUR IFF FONTS
- V2058 RSI FONT EDITOR
- V2145 IFF FONTS AND LOGOS
- V2146 HEFTY FONTS 1
- V2329 FONT FARM
- V2529 IFF FONTS
- V2569-3 BITMAP FONTS
- V2603 GELIGNITE COLOUR FONTS
- V2975-4 COSMOPOLITAN FONTS
- V2987 MINI FONTS II
- V3007-5 COLOUR FONTS
- V3013-2 COMPUTER FONTS
- V3030 COLOUR CLIP FONTS
- V3031 GELIGNITE FONTS 2
- V3063 FONT VIEWER 1.2
- V3391-2 ADOBE FONTS 1
- V3393 CG FONTS
- V3533 FONT FARM 3
- V3689 COMPUGRAPHIC FONTS
- V3691 POSTSCRIPT FONTS
- V3734-2 PICTURE FONTS
- V3736-2 FONTS & TEXTURES
- V3804-10 COLOUR TEXT FONTS
- V3960-10 PAGESTREAM FONTS 1-10

IMAGINE 3 FONTS COLLECTION Vol.1
A five disk collection of 60 superb postscript fonts that work with Imagine 3. Superb for rendering stunning logos etc. ☐IFD 9-5 £9.00

ICONS

£2.00 A DISK

- V393 ULTIMATE ICON UTILS — A collection of icons & icon editors
- V1146 ICON MAGIC
- V1888 ICON DISK — A large collection of WB1.3 icons
- V2527 ICONS FOR ALL 2
- V3848-3 ICONS PLUS KS2/3 — Three disks full of snazzy new icons
- V3887 CUSTOM ICONS KS2/3
- V3399 ICON ED+ — KS2/3 icon editors
- V4090 AGA ICONS — Superb icons for WB3
- V4081 EIGHT COLOUR ICONS — Great for use with Magic WB
- V4063 16 COLOUR ICONS KS2/3

Colour Clipart

CCHO5-2 HORSES	Over 20 images	£5.00
CCDI5-2 DINOSAURS	25 top quality images	£5.00
CCPT10-5 PLANTS	50 plant pictures	£10.00
CCLS10-4 LANDSCAPES	Top quality images of landscapes	£10.00
CCMI12-5 Miscellaneous	Various colour images	£12.00
CCFR7-3 FRUIT	Almost 50 images	£7.00
CCCV3-1 CARS	13 car images in full colour	£3.00
CCSH5-2 SHIPS	Over 30 ship pictures	£5.00
CCIB7-3 INSECTS	Insects & Butterflies	£7.00
CCMI14-6 Miscellaneous		£14.00
CCFL12-6 FLOWERS	90 flower images	£12.00
CCCA3-1 CATS	16 cat images	£3.00
CCRE10-4 REPTILES	Includes Snakes, Lizards etc	£10.00
CCDO6-3 DOGS	40 dog images	£6.00
CCPA8-4 PAINTING	Classic paintings	£8.00
CCfi12-6 FISH	Almost 100 colour fish images	£12.00
CCBI14-7 BIRDS	Over 160 colour images of birds	£14.00
CCAP4-2 AIRCRAFT	Over 30 aircraft pictures	£4.00
CCMA8-4 MAMMALS	40 animal images	£8.00
CCMO8-4 MOTORCYCLES	20 images	£8.00
CCDO8-4 DOGS 2	Another 70 dog pictures	£8.00
CCVE8-4 VEGETABLES	50 vegetables	£8.00
CCMA10-5 MAMMALS 2	More animal images	£10.00
CCFL8-4 FLOWERS TWO	50 more flowers	£8.00



CCIB7-3 INSECTS — Insects & butterflies £7



CCDI 5-2 DINOSAURS — Over 25 dinosaur images £5



CCBI 14-7 BIRDS — Over 160 bird images £14



CCDO 8-4 DOGS — Over 70 dog images £8

Mono Clipart

£2.00 A DISK

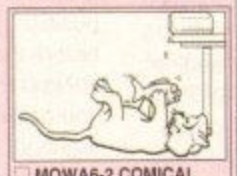
- ART2-2 HOUSES — Thatch cottages, flats, buildings etc
- ART3-3 RELIGIOUS — Bibles, Priests, Crosses etc
- ART4 WW1 AIRCRAFT — Large range of aircraft images
- ART5-2 MEN — People working
- ART6-2 WOMAN
- ART7-2 KIDS — Kids playing
- ART8 BUSINESS — People clocking in, working, talking etc
- ART9 OFFICE — Pens, paper, staplers, paper clips, phones etc
- ART10 STUDENTS
- ART11 SALETIME — 30% off, SALE, Instant credit, Hurry etc
- ART12-3 XMAS — Huge range of Xmas images
- ART14 ANIMALS
- ART15 CATS
- ART16 SILHOUETTES
- ART17-2 SCHOOLS
- ART18 BABIES
- ART25 HOLIDAYS — Bucket and spade, tents, umbrella
- ART27 ART NOUVEAU
- ART28 BUTTERFLIES
- ART29-2 FOOD
- ART33 HORNBACK
- ART34-2 TEDDY BEARS — Playing, pointing, jumping etc
- ART35-2 VANITY FARE
- ART36 HALLOWEEN ART
- ART37 SHOWTIME
- ART38 VEGETABLES
- ART39 FLORAL
- ART40 MYTHS
- ART41 DOGS
- ART42 CATS — Cat images
- ART43 AFRICAN
- ART44 AMERICAN
- ART45 ARCTIC
- ART46 FARM
- ART47 MIXED ANIMAL
- ART48 BIRDS
- ART49 MORE ANIMALS — Loads more miscellaneous animal pics
- ART50 ANIMAL LINE ART — Mono clipart images are of very high quality



MOSP7-3 SPORTS — Football, tennis, golf etc £7



MOBO10-5 EYE CATCHERS — Stars, flashes, banners etc £10



MOWA6-2 COMICAL — Cartoon clips, dogs & cats £6



MOWE5-2 WEDDINGS — Brides, grooms, cakes, rings

FREE

BOX OF TEN QUALITY BLANK DISKS WITH EVERY PURCHASE OVER £25

PROFESSIONAL CDROM TITLES

Suitable for any Amiga configuration fitted with a CDROM drive, Floppy drive & keyboard



☐ PROFESSIONAL FONTS CD — *Over 2000 Adobe fonts ready to use direct from CD, also contains CG fonts, and thousands of clipart images.* £19.95



☐ MULTIMEDIA TOOLKIT 2 — *Thousands of clipart images, hundreds of CG, Adobe & Bitmap fonts, & hundreds of colour images, music & samples.* £19.95



☐ CLIPART CD — *Over 25,000 Clipart images in IFF, colour IFF, Proclips, EPS, Pagesetter, Pagestream, IMG, & Corel Draw formats* £19.95



☐ SOUNDS TERRIFIC (Double CD) — *Features over 1.2 gig of music, modules, samples, MIDI files, and utilities. Compatible with Amiga & PC.* £19.95

Other CDRom Titles

- CDPD 2 or 3 — £19.99 each
- CDPD III — £19.99
- CDPD IV — £19.99 — Imagine objects, tools, Fish, games, etc.
- DEMO CD II — £19.99
- MULTIMEDIA TOOLKIT — £19.99
- AMINET II (March 94) — £19.99
- AMINET III (July 94) — £19.99 — Thousands of tools, games, demos, objects, over 1.5 gig of data on one CD
- LOCK 'N' LOAD GAMES — £19.99 — Over 1,000 top Amiga games, Arcade, Puzzle, Platform, Shoot 'em up etc.
- 17 BIT COLLECTION — £39.99
- 17 BIT CONTINUATION — £19.99
- ADULT VISION Vol. 1 (18) — £19.95 — Over 1,000 GIF Images *(subject to availability)*
- FRED FISH COLLECTION — £29.99 — The complete range 1-1,000, tools, demos, games, networking etc.
- NETWORK CD — £14.99 — Fish 890-975, Hundreds of Images, networking tools.
- FONTS + CLIPART CD — £19.99 — Thousands of Adobe, CG fonts and clipart images, great for Desk Top Publishers.
- EUROSCENE 1 — £14.99 — Hundreds of the latest Amiga megademos and graphic files, a huge range of source code is also featured on this superb CD.
- AMOS PD CD — £19.95 — Huge amount of Amos source code and examples

CD32 SPECIALS

- BUBBA & STIX FOR CD32 — £10.99 — Superb new platform game featuring unreal animation and great graphics and sound.
- CHUCK ROCK FOR CD32 — £10.99 — An all time classic platform game, great sound fx and graphics.
- DEEP CORE FOR CD32 — £9.99
- FIRE FORCE FOR CD32 — £10.99 — Fast action shoot 'em up. Similar to Green Beret, great "Bloody" graphics.
- MEAN ARENAS FOR CD32 — £9.99
- PREMIERE FOR CD32 — £10.99 — Superbly animated arcade platform game.

Purchase any 3 of the above CD32 games for just £27.00 + P&P

Priority Order Form

☐ V1234-3. TITLEXXX = 3 disks

Name .....

Address .....

.....

Amiga model ..... Payment .....

Credit Card No .....

Exp. .....

All clipart images are stored as IFF so they can be used in any Amiga DTP or paint package. Goods are not sold on a trial period.
All Imagine objects require Kickstart 2 or 3 to operate.
All Samples/SoundFX are IFF so can be used with any music package. ie: MusicX, Octamed, Sound Tracker etc.
* ☐ GCV1-1 GRAPHICS CONVERTER £1.00

Order Value

	QTY	
Amount of Packs — XXX10-5. PACK TITLE — individually priced		= £
Prices per disk — ☐ V1234-2. TITLE OF DISK (2 disks) — £2 a disk		= £
Other Items		= £
Total goods value		= £
Postage & Packing — Please add a total of 50p for P&P in the UK		50p in the UK. = £
Amount enclosed		= £

Epic Marketing, First Floor Offices, Victoria Centre, 138-139 Victoria Rd, Swindon, Wilts. SN1 3BU. Tel: 0793 490988

Ordering by post
Simply send us a written order with a list of the disks you require, or simply tick the boxes of the titles you require, fill in your name and address, remove or photocopy this page and send it along with full payment to: Epic Marketing, 138-139 Victoria Rd, Swindon, Wiltshire, SN1 3BU.

Collecting disks
PD disks can be collected same day, but if your order is quite large, please phone in a few hours previous to pick up.

Overseas Orders
Overseas orders are welcome, but please add £1.00 to each title ordered, & a minimum of 5 titles apply.

Postage & Packing
Please add a total of 50p to your order if in the UK for floppy disk orders. Add £1.00 per CD in UK. Overseas please add £1.00 to each pack ordered for 1st class delivery and £2.00 per CDROM title ordered.

Compatibility
All titles advertised should work on any Amiga unless stated. AGA means that it only works on A1200/A4000. KS2/3 means that title requires an A500+/A600/A1200.

Ordering by phone
To place an order over the phone simply call any time between 9.30 & 5.30pm Monday to Saturday with your credit card details and the disks you would like to order. (Orders can usually be placed up to 6pm every evening).

Play bunny



From out of nowhere comes Making Music With Bertie Bunny, primed and ready to help kids learn how to understand and create their own toons. Adam Phillips reviews

It would seem that all computer packages need a main character – someone or something who's likeable, hopefully individual and that the player wants to control and manipulate.

Games have their ragtag team of heroes – Sonic, Mario and James Pond to name but a few. Edutainment, that ghastly description of "fun" learning titles, has Noddy, also Mario and now Bertie Bunny, the musical white rabbit normally found up a magician's sleeve.

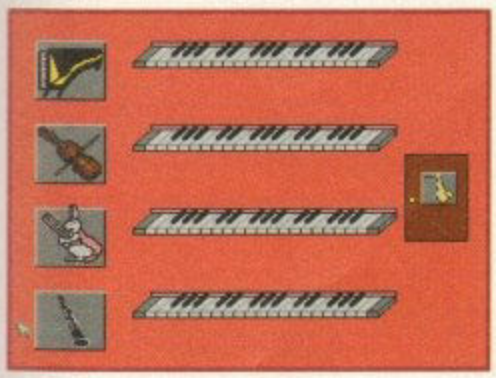
The Canadian-born bucktooth is the presenter of the Making Music package that consists of two disks and a sheet of paper with the briefest instructions summarised on it. The software is aimed at children between two and 12 – the producer boldly claims that Bertie has enough scope to appeal across such a wide range.

If, as a parent, you were hoping to buy the package and then leave the kids alone with it to make themselves busy, you would be sadly mistaken. First up is installing the software to your hard drive, then troubleshooting any problems that should happen to arise, then reading the instructions which unfortunately, although well written – are on screen and not in the form of a printed manual.

Once that has all been sorted, it's onto the main program itself which is easy to use after the first attempt. Split into three distinctive sections, the user is able to journey through each part in two differing ways. For the very young, it's possible to "bang" on the keys which simply chooses whichever instrument or icon that the Bertie is bouncing on at that time.

The mouse comes into play for the more advanced in years whereby they can select what they want to do like any other package. The actual sections that make up the program are the instrument room, the tune room and the studio.

Each segment is displayed with the help of colourful icons and Bertie Bunny who bounces round the screen, following your pointer movements. The instrument room consists of several icons representing the different musical sounds – saxophone, piano, trumpet, flute, clarinet, electric guitar, violin and steel drums.



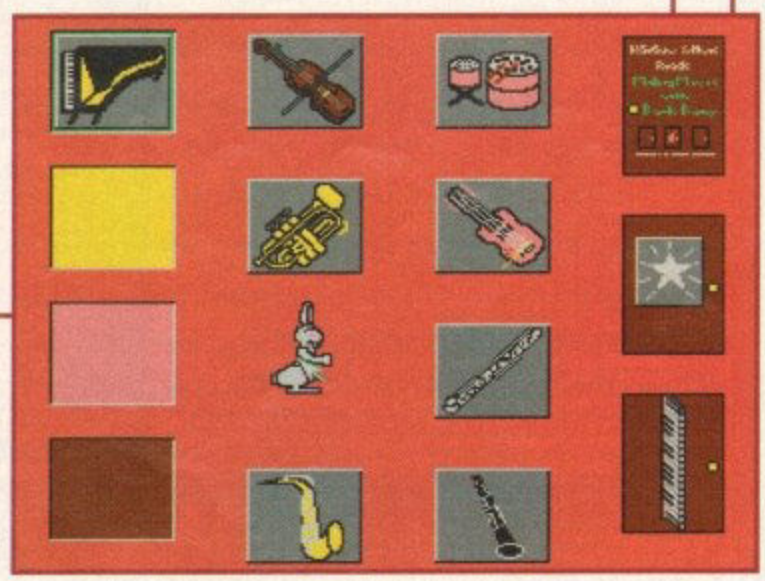
Take a trip into the studio and compose a few tunes



Mary Had a Little Lamb, London Bridge and other nursery classics are available at the click of a bunny hopping button

X-HEAD

Using Bertie to grab the instruments and move them, up to four can be selected for use in the studio or tune room. Once done, moving into the studio allows the user to play each instrument individually via the keyboard. On the 1200, only one key can be pressed at a time but on the 4000, up to three can be used simultaneously. The tune room offers eight familiar songs to dabble with – Twinkle Twinkle Little Star, Mary Had A Little Lamb and London Bridge make up part of the repertoire. The melody of the tune is played by the top instrument, the counterpoint by the second and so on. It is possible to just choose a single sound to play the tune as well.



Select your instruments from the several available

Four more instruments and tunes are available from WindShadow, the makers of the package, if the registration disk is sent to them. The sound effects that come with the title are relatively effective and can be recognised in relation to their real life counterparts.

My only gripe which would even send a three year old up the wall after awhile, is the incredibly annoying jumping noise that Bertie makes every time he moves anywhere. It grates on the nerves and I was nearly assaulted by the entire office after only five minutes of using the little furry fellow.

Graphically, the whole proceedings are rather crude and uninspiring. While there is supposed to be a child-like style to the graphics, it does look shoddy and amateurish.

As far as the edutainment factor of the package goes, while two to seven year olds will enjoy tinkering with the keyboard and hearing the tunes using different instruments, I'm just a little cynical about how interesting your average nine to 12 year old will find Bertie's rather limited set-up.

It would have been nice to see more sections with more options for older children such as special sound F/Xs like sustain, a basic recording and playback facility and a host of other options.

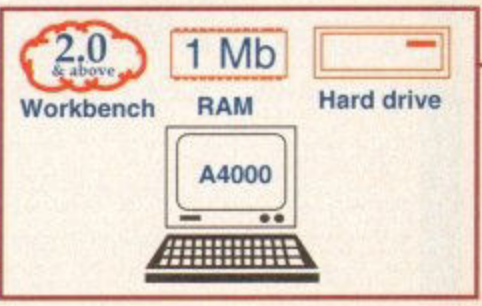
As Bertie Bunny stands, it's ideal for the very young and absolute and utter beginner but for a child with a few years behind them, he/she is going to find the package lacking in scope.

Oh, and just for a change, Bertie Bunny would appear to be hard drive only.

AC

SYSTEM ESSENTIALS

RED = Essential **BLACK** = Recommended



The bottom line

Product: Making Music with Bertie Bunny
Supplier: WindShadow Software
Phone: 0101 905 836 4400
Price: £24.99

Ease of use	**8**
Implementation	**6**
Value for money	**6**
Overall	**6**

E.M.COMPUTERGRAPHIC

THE U.K.'S NUMBER 1 AMIGA FONT AND CLIPART DISTRIBUTORS - AMIGA COMPUTING ISSUE 52

BITMAPPED CLIP ART

Fully sorted/saved as brushes, ready for import into your programs.

***EMC* Volume 1** - 5 Disks - **£14.00** - Classic *IFF Clipart*
Sports, Cartoons, Military, Animals, Transport, People and Xmas.

***EMC* Volume 11** - 5 Disks - **£14.00** - Classic *IFF Clipart*
People, Food, Aircraft, Animals, Cats/Dogs, Sport, Transport etc..

***EMC* Volume 15** - 8 Disks - **£22.00** - Classic *IFF Clipart*
Electronics, Kids, Sports, Animals, Religion, Office, Food and more!

***EMC* Volume 22** - 5 Disks - **£14.00** - Classic *IFF Clipart*
People, Sports, Medical, Animals, Computers, Office and lots more!

***EMC* Volume 28** - 5 Disks - **£14.00** - Classic *IFF Clipart*
Animals, Xmas, Cats, Computers, Headers/Borders & Seasons.

VERY HIGH QUALITY IFF CLIP ART

Extremely large clipart which produces printouts of amazing quality. IFF format and compatable with ALL major applications.
We recommend that you have at least 2mb of memory to use these images!

EMC* Volume 34** - 5 Disks - **£14.00** - ***IFF Animals 1
Bears, Birds, Dogs, Water, Insects, Horses, Reptiles and Exotic.

EMC* Volume 35** - 5 Disks - **£14.00** - ***IFF Animals 2
Cats, Wild Cats, Funny Cats, Trop.Fish, Fish, Farm and Funny.

EMC* Volume 36** - 8 Disks - **£22.00** - ***IFF Transport
Just about everything from Aircraft to Boats and Cars to Trains.

EMC* Volume 37** - 5 Disks - **£14.00** - ***IFF Business
Computers, Office, Bus.People, Printers and Funny Business.

EMC* Volume 38** - 5 Disks - **£14.00** - ***IFF Fantasy 1
Barbarians, Beasts, Knights, Weapons, Dragons, Men & Women.

EMC* Volume 39** - 5 Disks - **£14.00** - ***IFF Fantasy 2
Demons, Devils, Monsters, Skulls, Witches & Wizards etc..

EMC* Volume 40** - 5 Disks - **£14.00** - ***IFF Borders
Stunning Borders - Animals, Women, Objects and Natural etc..

EMC* Volume 41** - 6 Disks - **£16.50** - ***IFF People 1
Babies, Kids, Men, Women, Working, Families, Famous People.

EMC* Volume 42** - 5 Disks - **£14.00** - ***IFF Natural
Plants, Flowers, Tropical Plants, Trees and Garden Plants.

EMC* Volume 43** - 5 Disks - **£14.00** - ***IFF Sports
Gymnastics, Motor, Tennis, Golf, Water, Ball Games etc..

EMC* Volume 44** - 6 Disks - **£16.50** - ***IFF Education 1
Bibles, School, Churches, Christ, Priests, History and Places.

EMC* Volume 45** - 5 Disks - **£14.00** - ***IFF Various 1
Food, Easter, Xmas&Borders, Valentines, Sleighs and Wreaths.

EMC* Volume 46** - 5 Disks - **£14.00** - ***IFF Various 2
Buildings, Dancing, Music, Rescue, Zodiac and Survival etc..

EMC* Volume 47** - 5 Disks - **£14.00** - ***IFF Humour
Animals, Chickens, Idiots, People, Fruit, Kids, Dentists and Fish.

EMC* Volume 50** - 6 Disks - **£16.50** - ***IFF Dogs/Cats
Just about every breed of Dog & Cat, inc. Wild Dogs & Cats.

EMC* Volume 51** - 5 Disks - **£14.00** - ***IFF Birds/Insects
Eagles, Owls, Parrots, Common, Flies, Bugs, Bees and Spiders.

EMC* Volume 52** - 5 Disks - **£14.00** - ***IFF Animals 3
Beavers, Gerbils, Hamsters, Deers, Farm Horses and Rabbits.

EMC* Volume 53** - 5 Disks - **£14.00** - ***IFF Animals 4
Frogs, Snakes, Trop.Fish, Sea/Freshwater Fish, Insects etc..

EMC* Volume 54** - 5 Disks - **£14.00** - ***IFF Animals 5
Apes, Elephants, Giraffes, Zebras, Bears, Teddy Bears etc.

EMC* Volume 55** - 6 Disks - **£16.50** - ***IFF Flowers 1
Daffs, Flowering Plants, Chrys, Iris, Marigolds, Orchids, Lilies etc..

EMC* Volume 56** - 6 Disks - **£16.50** - ***IFF Flowers 2
Poppies, Flowers & lots more flowers!

EMC* Volume 57** - 6 Disks - **£16.50** - ***IFF Flowers 3
Petunias, Tulips, Flowers and lots more Flowers

EMC* Volume 58** - 6 Disks - **£16.50** - ***IFF Trees
Humorous, Oak, Pine, Maple, Willows, Palms, Bonsai etc.

EMC* Volume 59** - 6 Disks - **£16.50** - ***IFF Plants1
Bamboo, Pot Plants, Cacti, Yucca, Bulrushes, Thistles etc..

EMC* Volume 60** - 6 Disks - **£16.50** - ***IFF Plants 2
Herbs, Food related plants and lots of other plants!

EMC* Volume 61** - 6 Disks - **£16.50** - ***IFF Military
Aircraft, WWII Planes, Fighters, Tanks, Ships and lots more!

EMC* Volume 62** - 5 Disks - **£14.00** - ***IFF Fruit
Apples, Grapes, R'berries, S'berries, Cherries, Pears etc..

EMC* Volume 63** - 5 Disks - **£14.00** - ***IFF People 2
Babies, Kids, Kid's Stuff, Men, Cowboys, Famous etc..

EMC* Volume 64** - 5 Disks - **£14.00** - ***IFF People 3
Circus, Historic, Borders, Beauty, Lingerie, Hairdressing etc.

EMC* Volume 65** - 6 Disks - **£16.50** - ***IFF Events
B'day, Easter, Halloween, Xmas and nearly **2mb** of Wedding.

EMC* Volume 66** - 6 Disks - **£16.50** - ***IFF Work
Garden/Precision/Common Tools, Working Men, Machinery etc..

EMC* Volume 67** - 6 Disks - **£16.50** - ***IFF Food 1
Italian, BBQ, Sweets/Puddings, Junkfood, Chefs/Waiters, Vegs.

EMC* Volume 68** - 6 Disks - **£16.50** - ***IFF Food 2
Salad, Mushrooms, Sweetcorn, Wine, Champagne etc..

EMC* Volume 69** - 5 Disks - **£14.00** - ***IFF Science
Doctors, Anatomy, Dentists, Medical Equip, Nurses etc..

EMC* Volume 70** - 5 Disks - **£14.00** - ***IFF Education 2
Books, Teachers, Religion, Music/Instruments, Dancing and more!

EMC* Volume 71** - 6 Disks - **£16.50** - ***IFF Geography
World Pics. - Asia, Egypt, Africa, Europe, India, Arabic etc..

EMC* Volume 72** - 5 Disks - **£14.00** - ***IFF Various 3
Boats, Off Road, Italian/German Cars, Buses, Trains, Aircraft etc..

EMC* Volume 73** - 5 Disks - **£14.00** - ***IFF Various 4
Castles, Houses, Cartoons and lots more!

EMC* Volume 74** - 5 Disks - **£14.00** - ***IFF Various 5
Office Equip., Clothing, Computers, Electrics, Office Borders etc.

EMC* Volume 75** - 5 Disks - **£14.00** - ***IFF Various 6
Soccer, Hunting, Fishing, Martial Arts, Flowers and lots more!

EMC* Volume 76** - 5 Disks - **£14.00** - ***IFF Various 7
Masks, Household, Fantasy, English Stuff, Footwear and more!

EMC* Volume 162**- 6 Disks - **£16.50** - ***IFF KidsArt
Artwork by Kids for Kids. Ideal for Nursurys and Playgroups!

EMC* Volume 163**- 6 Disks - **£16.50** - ***IFF Sports 2
Cricket, Exercise, Martial Arts, Skiing, Rugby and lots more!

EMC* Volume 164**- 6 Disks - **£16.50** - ***IFF Sports 3
Football, Fishing, Ice Hockey, TPBowling, Snooker & Windsurfing

EMC* Volume 165**- 6 Disks - **£16.50** - ***IFF Animals 6
Jungle, Birds, Horses, Fish, Farm, Cats (all types) and lots more!

EMC* Volume 166**- 5 Disks - **£14.00** - ***IFF Maps 1
European Countries, S.American, Middle East, West Indies etc..

EMC* Volume 167**- 5 Disks - **£14.00** - ***IFF Maps 2
African, Asian, America (and States) and other Countries.

EMC* Volume 168**- 6 Disks - **£16.50** - ***IFF Various8
Houses, Elec. appliances and lots of Wood/Metalworking Tools!

EMC* Volume 169**- 6 Disks - **£16.50** - ***IFF Various9
Events, XMas, Working People, Cars, Gardening, Transport etc..

EMC* Volume 170**- 6 Disks - **£16.50** - ***IFF Various10
2mb+ of Borders, Furniture, Food, Places, Toys & LOTS of Trains

EMC* Volume 171**- 6 Disks - **£16.50** - ***IFF Various11
Cameras, Cowboys, Kids & lots of Business & Computer Logos.

EMC* Volume 172**- 6 Disks - **£16.50** - ***IFF Various12
Medical, Statues, Insects, Maps and lots of Misc. People Bits!

OTHER FONTS AND CLIPART

EMC* Vol 2** - 6 Disks - **£16.50** - ***PC ClipArt
.gem structured/.img clipart. Computers, Borders and lots more!

EMC* Vol 3** - 2 Disks - **£ 6.00** - ***Pagestream Fonts
34 Pagestream format fonts, compatible with all program versions.

EMC* Vol 21** - 6 Disks - **£16.50** - ***PCX Clipart
For P'stream - Animals, Cartoons, Computers, Sports etc.

EMC* Vol 32** - 6 Disks - **£16.50** - ***IMG ClipArt
For P'stream - Animals, Food, Cartoons, Plants and Drinks.

EMC* Vol 33** - 6 Disks - **£16.50** - ***IMG ClipArt
For P'stream - People, XMas, Buildings, Sports and Transport.

EMC* Vol 48** - 5 Disks - **£14.00** - ***ColorFonts
54 4,8 and 16 color fonts for DPaint, Scala, Opalvision etc..

EMC* Vol 49** - 5 Disks - **£14.00** - ***ColorFonts
63 4,8 and 16 color fonts for DPaint, Scala, Opalvision etc..

EMC* Vol 18** - 5 Disks - **£16.50** - 60 ***PDraw Fonts

EMC* Vol 19** - 5 Disks - **£16.50** - 63 ***PDraw Fonts

EMC* Vol 20** - 5 Disks - **£16.50** - 50 ***PDraw Fonts

Typesmith Demo Disk £3.50

Pagestream2 Demo Disks £6.99

Opalvision Update Disks £6.99

256 IFF COLOUR GRAPHICS FOR AGA AND 24 BIT AMIGAS

IFF256 format pics that will load directly into any 24 bit or AGA application, such as Dpaint 4.5, Opalvision, ADPro etc. You can also use these pics as WB backdrops on A1200/A4000's.

EMC* Volume 88** - 6 Disks - **£16.50** - ***256 Cars 1
Ferraris, Corvette, Mercs, Formula 1, Sports Cars and more!

EMC* Volume 89** - 6 Disks - **£16.50** - ***256 Cars 2
Porches, Lambos, Classic, E-Type, and US Sports Cars.

EMC* Volume 90** - 6 Disks - **£16.50** - ***256 Planes 1
Falcons, Spitfire, Bombers, F-14's, Tomcats and more!

EMC* Volume 91** - 6 Disks - **£16.50** - ***256 Planes 2
F-15's, F-16's, Harrier, B17's, Stealth Bombers and more!

EMC* Volume 92** - 5 Disks - **£14.00** - ***256 Space 1
The Earth , NASA Space Shots, Lots of Planets and more!

EMC* Volume 93** - 5 Disks - **£14.00** - ***256 Space 2
Enterprises, Space Shuttles, NASA Shots and more!

EMC* Volume 94** - 5 Disks - **£14.00** - ***256 Women
Lots of Beautiful Women and Models

EMC* Volume 95** - 5 Disks - **£14.00** - ***256 WildCats
Lions, Tigers, Leopards and lots of other WildCats!

EMC* Volume 96** - 6 Disks - **£16.50** - ***256 Horses 1
Running Horses, Foals, Rodeo Horses and more horses!

EMC* Volume 97** - 6 Disks - **£16.50** - ***256 Horses 2
Horses in the snow, Horses on the beach and more Horses!

EMC* Volume 98** - 5 Disks - **£14.00** - ***256 Dogs 1
Alsation, Labrador, Cute puppies and even some ugly ones!

EMC* Volume 99** - 5 Disks - **£14.00** - ***256 Dogs 2
Setters, Cute Dogs with Cats, Cute Puppies and more!

EMC* Volume 100** - 6 Disks - **£16.50** - ***256 Cats 1
Really cute and humorous pictures of Cats and Kittens!

EMC* Volume 101** - 6 Disks - **£16.50** - ***256 Cats 2
More really cute and humorous pictures of Cats and Kittens!

EMC* Volume 102** - 6 Disks - **£16.50** - ***256 WaterLife
Dolphins, Whales, Frogs, Fish, GoldFish and lots more!

EMC* Volume 103** - 6 Disks - **£16.50** - ***256 Sun & Sea
Just about everything from Tropical Islands to Sandy Beaches.

EMC* Volume 104** - 6 Disks - **£16.50** - ***256 Animals 1
Pandas, Deers, Bears (all types), Zebras and lots more!

EMC* Volume 105** - 6 Disks - **£16.50** - ***256 Animals 2
Elephants, Gorillas, Chimps, Monkeys, Seals, Koalas and more!

EMC* Volume 106** - 6 Disks - **£16.50** - ***256 Animals 3
Wolves, Moose, Cougar, Kangaroo, Fox Pups and lots more!

EMC* Volume 107** - 6 Disks - **£16.50** - ***256 Animals 4
Lizard, Squirrels, Walrus, Kittens and lots of Other Animals.

EMC* Volume 108** - 6 Disks - **£16.50** - ***256 Panorama 1
Forests, Mountain Rivers/Lakes, Waterfalls, Rainbows and more.

EMC* Volume 109** - 6 Disks - **£16.50** - ***256 Panorama 2
Snow Topped Mountians, MountianLakes, Waterfalls, Streams etc.

EMC* Volume 110** - 6 Disks - **£16.50** - ***256 Panorama 3
Rolling Hills, Snow Scenes, Farms, Small Harbour, and Lots more!

EMC* Volume 111** - 6 Disks - **£16.50** - ***256 The Sun
Sunrises and Sunsets from Cities to Lakes to Deserts!

EMC* Volume 112** - 5 Disks - **£14.00** - ***256 World People
American/Amazon Indians, Hawaiians, Africans and more!

EMC* Volume 113** - 6 Disks - **£16.50** - ***256 America
Grand Canyon, Vegas, CeasarsPalace, White House etc.

EMC* Volume 114** - 6 Disks - **£16.50** - ***256 Castles
Castles with Moats, Castles on Mountains, Castles on Rivers etc..

EMC* Volume 115** - 6 Disks - **£16.50** - ***256 The World
From around the world - Egypt, Japan, Italy, France, England etc.

EMC* Volume 116** - 5 Disks - **£14.00** - ***256 Birds 1
Parrots, Humming Birds, Flamingos, and lots more Birds!

EMC* Volume 117** - 5 Disks - **£14.00** - ***256 Birds 2
Ducks, Eagles, Hawks, Owls, Winter Birds and more Birds!

EMC* Volume 118** - 5 Disks - **£14.00** - ***256 Birds 3
Swans, Falcons and lots of birds that we can't identify!

EMC* Volume 119** - 6 Disks - **£16.50** - ***256 Fantasy 1
Warriors, Dragons, Female Warriors and lots more!

EMC* Volume 120** - 6 Disks - **£16.50** - ***256 Fantasy 2
Dragon Lance pics, Dracula, Skull Warriors and lots more!

EMC* Volume 121** - 6 Disks - **£16.50** - ***256 The Movies
Batman, Starwars, Top Gun, Terminator, Indy, Karate Kid etc..

EMC* Volume 122** - 5 Disks - **£14.00** - ***256 Renders 1
Rendered Dragons, Glasshouse, Medcedes cars and more!

EMC* Volume 123** - 5 Disks - **£14.00** - ***256 Renders 2
Rendered Bugs, Chess Boards, Various Rooms, F-18 and more!

EMC* Volume 124** - 5 Disks - **£14.00** - ***256 Renders 3
Rendered kitchens, Bowling, Insects, Cameras and more!

EMC* Volume 125** - 5 Disks - **£14.00** - ***256 Girls 1
Beautiful Women dressed in very little...Blood boiling!

EMC* Volume 126** - 5 Disks - **£14.00** - ***256 Girls 2
Beautiful Women dressed in very little...Blood boiling!

EMC* Volume 127** - 5 Disks - **£14.00** - ***256 Girls 3
Beautiful Women dressed in very little...Blood boiling!

EMC* Volume 128** - 6 Disks - **£16.50** - ***256 Water Girls
Beautiful Women under Waterfalls, at the Pool and very wet!

EMC* Volume 129** - 5 Disks - **£14.00** - ***256 Swim Suits
Beautiful Women, of all shapes and sizes, in Swimsuits.

EMC* Volume 130** - 5 Disks - **£14.00** - ***256 Bikinis
Beautiful Women, of all shapes and sizes, in Bikinis

EMC* Volume 131** - 5 Disks - **£14.00** - ***256 Beach Girls
Women on the beach, the kind of babes you see in Baywatch!

EMC* Volume 132** - 5 Disks - **£14.00** - ***256 Lingerie
Beautiful Women, of all shapes and sizes, in Lingerie.

EMC* Volume 133** - 5 Disks - **£14.00** - ***256 Star Trek
High quality pictures of the NCC1701, TNG/ TOS characters etc..

EMC* Volume 134** - 5 Disks - **£14.00** - ***256 Various 1
Mixture of pics. mainly of Women & Fantasy...Starter volume!?

EMC* Volume 135** - 5 Disks - **£14.00** - ***256 Reptiles
Snakes, Frogs, Lizards, Crocs and some amazing pics of Dinos.

EMC* Volume 136** - 6 Disks - **£16.50** - ***256 Classic Cars
6 disks packed with Classic cars of all shapes and sizes.

EMC* Volume 137** - 6 Disks - **£16.50** - ***256 Cars 3
Vettes, Porches, Aston, Countachs, E-Type, Mini, RR, Esprit etc..

EMC* Volume 138** - 6 Disks - **£16.50** - ***256 Fast Cars
Testas, F-40's, Countachs, Porches, Lotus and lots more!

EMC* Volume 139** - 6 Disks - **£16.50** - ***256 Racing
6 disks full of Indy Racing, Formula 1, Drag Racing and more!

EMC* Volume 140** - 6 Disks - **£16.50** - ***256 Boats
Power, Yachts, Military and just about every other type of boat!

EMC* Volume 141** - 5 Disks - **£14.00** - ***256 Trains 1
1st of our 256 Train vols. containing Steam and Electic locos!

EMC* Volume 142** - 5 Disks - **£14.00** - ***256 Trains 2
2nd of our 256 Train vols. containing Steam and Electic locos!

EMC* Volume 143** - 5 Disks - **£14.00** - ***256 Trains 3
3rd of our 256 Train vols. containing Steam and Electic locos!

EMC* Volume 144** - 5 Disks - **£14.00** - ***256 Trains 4
4th of 256 Train vols. containing Steam and Electic locos!

EMC* Volume 145** - 6 Disks - **£16.50** - ***256 Military
Desert Storm, Tanks, Bombs, Jets, Cannons, Navel and more!

EMC* Volume 146** - 6 Disks - **£16.50** - ***256 Flight
Planes, H'copters, LightPlanes and stunning pics. of Hot Air balloons.

MORE 256 IFF COLOUR GRAPHICS FOR AGA AND 24 BIT AMIGAS

EMC* Volume 147** - 6 Disks - **£16.50** - ***256 Jet Fighters
F-117's, Phantoms, F-16 Falcons, Aircraft Carriers and lots more!

EMC* Volume 148** - 6 Disks - **£16.50** - ***256 Snow Scenes
Spectacular pics. of Snow Capped M'tains, Snowy Forests & Rivers.

EMC* Volume 149** - 6 Disks - **£16.50** - ***256 WaterLife 2
Colourful pics. of Tropical Fish, Coral, StarFish and lots more!

EMC* Volume 150** - 6 Disks - **£16.50** - ***256 Travel
Stonehenge, KingTut (Stunning), G.Canyon, Collesium and more!

EMC* Volume 151** - 5 Disks - **£14.00** - ***256 NASA 1
A'nauts, Shuttles, Planets, Lunar Modules and Hubble T'scope etc.

EMC* Volume 152** - 5 Disks - **£14.00** - ***256 NASA 2
Shuttles, S'lites, Launch Sites, Launchs and lots of Space Shots!

EMC* Volume 153** - 6 Disks - **£16.50** - ***256 Babes 1
Due to overwhelming demand...yet more disks of Beautiful Babes!

EMC* Volume 154** - 6 Disks - **£16.50** - ***256 Babes 2
Due to overwhelming demand...yet more disks of Beautiful Babes!

EMC* Volume 155** - 6 Disks - **£16.50** - ***256 Babes 3
Due to overwhelming demand...yet more disks of Beautiful Babes!

EMC* Volume 156** - 6 Disks - **£16.50** - ***256 Babes 4
Due to overwhelming demand...yet more disks of Beautiful Babes!

EMC* Volume 157 - 6 Disks - £16.50** - ***256 Babes 5
Due to overwhelming demand...yet more disks of Beautiful Babes!

EMC* Volume 158** - 6 Disks - **£16.50** - ***256 Hunks
One for the Girls - 6 disks of 'Chippendale' type Hunky men!

EMC* Volume 159** - 6 Disks - **£16.50** - ***256 Various 2
Pictures mainly comprising of Babes and Wild Cats.

EMC* Volume 160** - 6 Disks - **£16.50** - ***256 Various 3
Famous People, Waterlife, Snow Scenes and Travel.

EMC* Volume 161** - 6 Disks - **£16.50** - ***256 Various 4
Space, Hunks, Babes, Rock Stars and Famous People!

EMC* Volume 208** - 6 Disks - **£16.50** - ***256 Robots
Some amazing high quality artwork of chrome plated female robots.

EMC* Volume 209** - 6 Disks - **£16.50** - ***256 Heavy Metal
Very nice fantasy type artwork from Heavy Metal magazine.

EMC* Volume 210** - 6 Disks - **£16.50** - ***256 Star Wars
Quality pictures and artwork from the Star Wars movies.

EMC* Volume 211** - 6 Disks - **£16.50** - ***256 Night Breed
Quality pictures and artwork from the SciFi series - Night Breed.

EMC* Volume 212** - 6 Disks - **£16.50** - ***256 DS9 1
Quality pictures and artwork from Star Trek - Deep Space Nine.

EMC* Volume 213** - 6 Disks - **£16.50** - ***256 DS9 2
Quality pictures and artwork from Star Trek - Deep Space Nine.

EMC* Volume 214** - 6 Disks - **£16.50** - ***256 DS9 3
Quality pictures and artwork from Star Trek - Deep Space Nine.

EMC* Volume 215** - 6 Disks - **£16.50** - ***256 DS9 4
Quality pictures and artwork from Star Trek - Deep Space Nine.

EMC* Volume 216** - 6 Disks - **£16.50** - ***256 DS9 5
Quality pictures and artwork from Star Trek - Deep Space Nine.

EMC* Volume 217** - 6 Disks - **£16.50** - ***256 TNG 1
Quality pictures and artwork from Star Trek - The Next Generation.

EMC* Volume 218** - 6 Disks - **£16.50** - ***256 TNG 2
Quality pictures and artwork from Star Trek - The Next Generation.

EMC* Volume 219** - 6 Disks - **£16.50** - ***256 TNG 3
Quality pictures and artwork from Star Trek - The Next Generation.

EMC* Volume 220** - 6 Disks - **£16.50** - ***256 Star Trek 2
Great pictures and artwork from Star Trek - Original series & Movies.

EMC* Volume 221** - 6 Disks - **£16.50** - ***256 Star Trek 3
Great pictures and artwork from Star Trek - Original series & Movies.

EMC* Volume 222** - 6 Disks - **£16.50** - ***256 Conan
Excellent 256 artwork featuring Conan the Barbarian.

EMC* Volume 223** - 6 Disks - **£16.50** - ***256 Dr Who
Great pictures and excellent artwork from the cult series Dr Who.

EMC* Volume 224** - 6 Disks - **£16.50** - ***256 TV-SciFi
This volume comprises of pictures and artwork from Blake 7 and "V"

EMC* Volume 225** - 6 Disks - **£16.50** - ***256 D.Lance 1
Stunning, high quality artwork from Dragon Lance.

EMC* Volume 226** - 6 Disks - **£16.50** - ***256 D.Lance 2
Stunning, high quality artwork from Dragon Lance.

EMC* Volume 227** - 6 Disks - **£16.50** - ***256 BorisV 1
Exceptional artwork by the renowned fantasy artist Boris Vallejo.

EMC* Volume 228** - 6 Disks - **£16.50** - ***256 BorisV 2
Exceptional artwork by the renowned fantasy artist Boris Vallejo.

EMC* Volume 229** - 6 Disks - **£16.50** - ***256 BorisV 3
Exceptional artwork by the renowned fantasy artist Boris Vallejo.

EMC* Volume 230** - 6 Disks - **£16.50** - ***256 BorisV 4
Exceptional artwork by the renowned fantasy artist Boris Vallejo.

EMC* Volume 231** - 6 Disks - **£16.50** - ***256 BorisV 5
Exceptional artwork by the renowned fantasy artist Boris Vallejo.

EMC* Volume 232** - 6 Disks - **£16.50** - ***256 BorisV 6
Exceptional artwork by the renowned fantasy artist Boris Vallejo.

EMC* Volume 233** - 6 Disks - **£16.50** - ***256 BorisV 7
Exceptional artwork by the renowned fantasy artist Boris Vallejo.

EMC* Volume 234** - 6 Disks - **£16.50** - ***256 BorisV 8
Exceptional artwork by the renowned fantasy artist Boris Vallejo.

EMC* Volume 235** - 6 Disks - **£16.50** - ***256 Kelly 1
Excellent artwork by the famous fantasy artist Ken Kelly.

EMC* Volume 236** - 6 Disks - **£16.50** - ***256 Kelly 2
Excellent artwork by the famous fantasy artist Ken Kelly.

EMC* Volume 237** - 6 Disks - **£16.50** - ***256 SciFi Art 1
Mixed bag of great artwork and pictures with a general SciFi theme.

EMC* Volume 238** - 6 Disks - **£16.50** - ***256 SciFi Art 2
Mixed bag of great artwork and pictures with a general SciFi theme.

EMC* Volume 239** - 6 Disks - **£16.50** - ***256 Woodroffe
Really good Weird fantasy pic.s from the world of Patrick Woodroffe

EMC* Volume 240** - 6 Disks - **£16.50** - ***256 Movies 2
Excellent pics/artwork from films - DS9, Star Wars, Terminator, "V",

EMC* Volume 241** - 6 Disks - **£16.50** - ***256 D & D
Stunning artwork with a Dungeons and Dragons theme.

EMC* Volume 242** - 6 Disks - **£16.50** - ***256 Fantasy 3
Loads of good quality general fantasy artwork.

EMC* Volume 243** - 6 Disks - **£16.50** - ***256 White 1
Spectacular artwork by the renowned fantasy artist Tim White.

EMC* Volume 244** - 6 Disks - **£16.50** - ***256 White 2
Spectacular artwork by the renowned fantasy artist Tim White.

EMC* Volume 245** - 6 Disks - **£16.50** - ***256 White 3
Spectacular artwork by the renowned fantasy artist Tim White.

VIDEOGRAPHERS EMC are teaming up with a leading film/production team with the aim of conducting weekend seminars covering all aspects of Amiga related video production and post production for the beginner, semi-pro and full Pro. If you are interested, send an SAE along with a brief letter detailing your interests and we will forward you full information & course prospectus when details have been finalised.

SPECIALISING IN THE PROMOTION OF DTP ON THE AMIGA
AND
WINNERS OF THE 1992 AMIGA SHOPPER TOP TYPEFACE AWARD

P S D
THE PROFESSIONAL STANDARDS FOR DISTRIBUTION
ENDORSED BY COMMODORE UK

TYPE 1 FONTS

For use with Pagestream, Publisher, Final Copy2R2, Final Writer, Wordworth 3, Lightwave etc.

EMC Vol 4 - 5 Disks - £14.00 - *67 Type1's*
EMC Vol 5 - 5 Disks - £14.00 - *63 Type1's*
EMC Vol 6 - 5 Disks - £14.00 - *83 Type1's*
EMC Vol 7 - 5 Disks - £14.00 - *68 Type1's*
EMC Vol 16 - 5 Disks - £14.00 - *76 Type1's*
EMC Vol 17 - 5 Disks - £14.00 - *79 Type1's*
EMC Vol 27 - 5 Disks - £14.00 - *56 Type1's*
EMC Vol 29 - 5 Disks - £14.00 - *80 Type1's*

NEW TYPE 1 FONT VOLUMES

EMC Vol 77 - 5 Disks - £16.50 - *78 Type1's*
EMC Vol 78 - 5 Disks - £16.50 - *69 Type1's*
EMC Vol 79 - 5 Disks - £16.50 - *84 Type1's*
EMC Vol 80 - 5 Disks - £16.50 - *71 Type1's*
EMC Vol 81 - 5 Disks - £16.50 - *106 Type1's*

CG SCALABLE FONTS

Compatible with all versions of PPage, PSetter2/3, WWorth, WB2/3, Scala Opalvision and DPaint 4.1+ etc.

EMC Vol 8 - 5 Disks - £16.50 - *61 CGFonts*
EMC Vol 9 - 5 Disks - £16.50 - *64 CGFonts*
EMC Vol 10 - 5 Disks - £16.50 - *57 CGFonts*
EMC Vol 23 - 5 Disks - £16.50 - *58 CGFonts*
EMC Vol 24 - 5 Disks - £16.50 - *64 CGFonts*
EMC Vol 25 - 5 Disks - £16.50 - *66 CGFonts*
EMC Vol 26 - 5 Disks - £16.50 - *71 CGFonts*
EMC Vol 30 - 5 Disks - £16.50 - *59 CGFonts*
EMC Vol 31 - 5 Disks - £16.50 - *60 CGFonts*

NEW CG SCALABLE FONTS

Supplied, due to popular demand, with PS downloadables!

EMC Vol. 82 - 5 Disks - £16.50 - *53 CGFonts*
EMC Vol. 83 - 5 Disks - £16.50 - *48 CGFonts*
EMC Vol. 84 - 5 Disks - £16.50 - *46 CGFonts*
EMC Vol. 85 - 5 Disks - £16.50 - *46 CGFonts*
EMC Vol. 86 - 5 Disks - £16.50 - *34 CGFonts*
EMC Vol. 87 - 5 Disks - £16.50 - *38 CGFonts*

PICK 'N' MIX SERVICES

We offer you not one...but TWO Pick 'N' Mix Services!

FONT PICK 'N' MIX FONT SERVICE

*This service, unlike others, is implemented properly! For example all CG Scalable fonts can be supplied with postscript downloadable fonts (if required) - **Who else supplies them?** Full details in the EMC Information Pack.*

CLIPART PICK 'N' MIX SERVICE

*We believe this to be the first service of its type on ANY computer platform. So what is the Clipart PNM service? Well, basically if you are ever in need of **HIGH QUALITY** clipart on a particular subject...this service could be for you. If you are in need of a disk full of flowers, business people, medical equipment or even teddy bears...just contact us and we will create a disk (or disks) tailor made to meet **your** requirements.*

SCANNING SERVICE

HAVE YOU EVER NEEDED SOME ARTWORK SCANNING? ARE YOU SICK OF USING "CUT AND PASTE" METHODS TO GET YOUR ARTWORK ON PAPER? EVER WANTED TO USE ONE OF YOUR FAVORITE PHOTOS AS AN AGA/VIDEO BACKDROP? EVER WANTED TO SMARTEN UP YOUR VIDEO PRESENTATIONS WITH CUSTOM GRAPHICS?

We have offered this service, to customers who have asked, for over a year. During this time the our scanning service has proved to be very popular with everybody from amateur desktop publishers to professional video users. We can provide high quality scans, in any format and resolution from your original artwork or photos up to A4 in size,.

50 DPI TO 600 DPI - IN ANY FORMAT FROM MONOCHROME TO 24 BIT

We provide finished scans, on disk, in standard IFF file formats, but if required we can also supply artwork in most PC formats (PCX, Tiff, Gif etc) on MS-Dos high density disks.

FOR MORE DETAILS...GIVE US A RING!

ECS 16 COLOUR IMAGES FOR ALL AMIGAS

These VERY HIGH QUALITY images are compatible with ALL Amigas and were created especially for all our customers who have flooded us with requests for high quality colour graphics for their non AGA/24 bit Amigas. These images can be used with ALL versions of Dpaint, all DTP/Graphics programs and are especially suited when used as video backdrops in all versions of Scala.

YOU WON'T BELIEVE THAT THESE IMAGES ONLY CONTAIN 16 COLOURS!

EMC* Volume 173** - 6 Disks - £16.50 - ***ECS Chicks 1
Girls, Girls and more Girls, Stunning Pictures...Enough to make you drool!
EMC* Volume 174** - 6 Disks - £16.50 - ***ECS Chicks 2
Girls, Girls and more Girls, Stunning Pictures...Enough to make you drool!
EMC* Volume 175** - 6 Disks - £16.50 - ***ECS Chicks 3
Girls, Girls and more Girls, Stunning Pictures...Enough to make you drool!
EMC* Volume 176** - 6 Disks - £16.50 - ***ECS Chicks 4
Girls, Girls and more Girls, Stunning Pictures...Enough to make you drool!
EMC* Volume 177** - 6 Disks - £16.50 - ***ECS Chicks 5
Girls, Girls and more Girls, Stunning Pictures...Enough to make you drool!
EMC* Volume 178** - 6 Disks - £16.50 - ***ECS Panorama 1
Mountains, Lakes, Trees, Landscapes - Great Scala B'drops or DPaint Pics!
EMC* Volume 179** - 6 Disks - £16.50 - ***ECS Panorama 2
Mountains, Lakes, Trees, Landscapes - Great Scala B'drops or DPaint Pics!
EMC* Volume 180** - 6 Disks - £16.50 - ***ECS Panorama 3
Mountains, Lakes, Trees, Landscapes - Great Scala B'drops or DPaint Pics!
EMC* Volume 181** - 6 Disks - £16.50 - ***ECS Panorama 4
Mountains, Lakes, Trees, Landscapes - Great Scala B'drops or DPaint Pics!
EMC* Volume 182** - 6 Disks - £16.50 - ***ECS Space 1
Just about everything to do with Space including NASA and Star Trek!
EMC* Volume 183** - 6 Disks - £16.50 - ***ECS Space 2
Just about everything to do with Space including NASA and Star Trek!
EMC* Volume 184** - 6 Disks - £16.50 - ***ECS Cars 1
BMWs, E-Types, Ferraris, Formula1, Porches, Indy Car Racing and more!
EMC* Volume 185** - 6 Disks - £16.50 - ***ECS Cars 2
Countachs, Ferraris, E-Types, Vettes, TransAms, Camaros and Classic.
EMC* Volume 186** - 6 Disks - £16.50 - ***ECS Aircraft 1
Aircaft Carriers, F16s, Helicopters, Mustangs, Phantoms and lots more!
EMC* Volume 187** - 6 Disks - £16.50 - ***ECS Aircraft 2
Bombers, Buccaneers, F117s, Hunters, F14s, F15s, F16s and lots more!
EMC* Volume 188** - 6 Disks - £16.50 - ***ECS Animals 1
Apes, Bears, Pandas, Seals, Wolves, Reindeers, Deers and lots more!
EMC* Volume 189** - 6 Disks - £16.50 - ***ECS Animals 2
Dinosaurs, Elephants, Snakes, Iguanas, Spiders, Frogs and lots more!
EMC* Volume 190** - 6 Disks - £16.50 - ***ECS Animals 3
This vol. mainly contains Horses but also includes some other Animals.
EMC* Volume 191** - 6 Disks - £16.50 - ***ECS Animals 4
This vol. mainly contains Wild Cats but also includes some other Animals.
EMC* Volume 192** - 6 Disks - £16.50 - ***ECS Dogs&Cats 1
Loads of very high quality pictures of Domestic Dogs and Cats.
EMC* Volume 193** - 6 Disks - £16.50 - ***ECS Dogs&Cats 2
Even more very high quality pictures of Domestic Dogs and Cats.
EMC* Volume 194** - 6 Disks - £16.50 - ***ECS Famous People
Film Stars, Rock Stars, Other Famous People and lots of WWF Stars.
EMC* Volume 195** - 6 Disks - £16.50 - ***ECS Military
Tanks, Aircraft Carriers, Desert Storm Pics, Infantry and lots more!
EMC* Volume 196** - 6 Disks - £16.50 - ***ECS Motor Racing
Racing Bikes, Drag, Senna, Schumacker, Mansell & lots of Formula One.
EMC* Volume 197** - 6 Disks - £16.50 - ***ECS Trains
Packed full of pictures of Steam Trains and Deisel/Electric Locomotives
EMC* Volume 198** - 6 Disks - £16.50 - ***ECS WaterLife
TropicalFish, Coral & Other Sea Creatures. Great pictures for Backdrops!
EMC* Volume 199** - 6 Disks - £16.50 - ***ECS World 1
Pics of Egypt (inc Tut!), France, Greece, Italy, USA etc. (Holiday Videos?)
EMC* Volume 200** - 6 Disks - £16.50 - ***ECS World 2
Am. Indians, A'ralia, China, Britain, India, Japan + more (Holiday Videos?)

COMPUTER SAFARI

Desktop Publishing Typefaces

E.M.C. are the exclusive UK and European distributors for the HIGHLY ACCLAIMED commercial Computer Safari range of DTP Typefaces. Safari fonts are of exceptional quality, contain FULL character sets and have been highly praised in the UK Amiga press.
For those of you that have already purchased, or have information on the Safari fonts, we would like to inform you that Safari compilation packs are now available.
Full details are included in the EMC information pack.

16 COLOUR CLIPART FOR ALL AMIGAS

This VERY HIGH QUALITY colour clipart is suitable for use with ALL Amiga programs that suppport the use of colour clipart including Pagestream, PPage, PSetter, Wordworth, Final Copy, Final Writer, PenPal, Kindwords, Photon Paint, DigiPaint, DPaint, Scala etc..

All disks, except the disks on EMC Volume 204, contain special IFF index thumbnail screens. Simply double click on the "Disk Index" icon to see the entire disk contents!

EMC* Volume 201** - 6 Disks - £16.50 - ***CCA Animals 1
This volume contains a whole host of Birds, Insects and Dinosaurs.
EMC* Volume 202** - 6 Disks - £16.50 - ***CCA Animals 2
Lots of high quality coloured clipart of Dogs, Cats and Reptiles.
EMC* Volume 203** - 6 Disks - £16.50 - ***CCA Animals 3
Horses, Reptiles and just about every mammal you could possibly think of!
EMC* Volume 204** - 10 Disks- £25.00 - ***CCA Maps
This volume contains full colour maps of probably every country on Earth!
EMC* Volume 205** - 6 Disks - £16.50 - ***CCA Flowers
Pot Plants, Wild Flowers, Garden Flowers, Bulbs, Hanging Plants etc..
EMC* Volume 206** - 6 Disks - £16.50 - ***CCA Natural
This volume contains lots of Fruit, Vegetables and Trees.
EMC* Volume 207** - 6 Disks - £16.50 - ***CCA Various
Lots of coloured Musical Instruments, Planes, Ships, Transport and Fish.

ECAPSULATED POSTSCRIPT CLIPART

Very high quality clipart, suitable for use with Pagestream, PPage 4.0+ and Final Writer.

***EMC* Vol. 12** - 6 Disks - £16.50 - *EPS Clipart*
Weddings, Houses, Office, Kids, Mil.Planes, Boats, Food.
***EMC* Vol. 13** - 6 Disks - £16.50 - *EPS Clipart*
Buildings, Animals, Sport, Aircraft, Hols, Chefs, People.
***EMC* Vol. 14** - 6 Disks - £16.50 - *EPS Clipart*
Houses, World, Music, BiPlanes, Males/Females etc..

Don't bother with the rest...
...BUY FROM THE BEST!

The Amiga press have given EMC and it's products rave reviews. Now the video press are following suit. EMC's products received the coveted ...

CAMCORDER GOLD USER

Camcorder User Gold Award
May 1994 edition

THE EMC INFORMATION PACK

*The **HARD COPY** EMC information pack includes full details of **ALL** the fonts EMC has on offer, inc. Computer Safari Fonts, along with full font printouts, details of our PNM and scanning services, details of our ECS 16 colour and AGA 256 colour image collections, details of our PCX, GEM, monochrome, EPS, IMG, multiformat and colour clipart, a font and clipart compatability guide and many example printouts from our huge clipart collections.*

To get your copy, please send us your name and address, along with...

£1.00 & 38p POSTAGE

(Payment can be made with either stamps, postal orders or cheque)

Information packs and updates are included FREE with any order!

Amiga Computing in issue 52 said...
"E.M.C. are the FIRST and FOREMOST Font distributors in the UK" **they then placed us at...No.1 in the TOP 10 of the Amiga hardware/software chart!**
Ian Wrigley from Amiga Shopper in issue 16 said...
"...I must say that I'm quite impressed..."
Amiga Format in issue 36 said...
"...E.M.C. have an enormous amount of expertise in the tricky area of fonts and can provide professional help and advice to customers"
Amiga Format Special Edition said...
"...the best value rescalable fonts available anywhere...there's no cheaper way of getting quality fonts"
CUAmiga in the issue of September '92 said...
"...you couldn't do much better than taking a look through the sets offered by E.M.C."
Amiga Shopper January 1992 gave Safari Fonts and EMC...
"The Top Desktop Publishing Typeface Award For 1992"
Pat McDonald from Amiga Format in issue January 1992 said...
"The best person to talk to about fonts, in the UK at any rate is Errol at E.M.C"
Amiga Mart November 1992 said...
"EMC's emergence into the cut-throat retail area has come none too soon, their service and technical backup is second to none."
Camcorder User May 1994 said...
"EMC is filling a yawning gap in the DTV market - and is doing so with enthusiasm" ..."The choice is overwhelming"
Amiga World February 1994 said...
"Are you finicky about fonts? Take a look at E.M.Computergraphic" ... "There's sure to be something for everyone!"

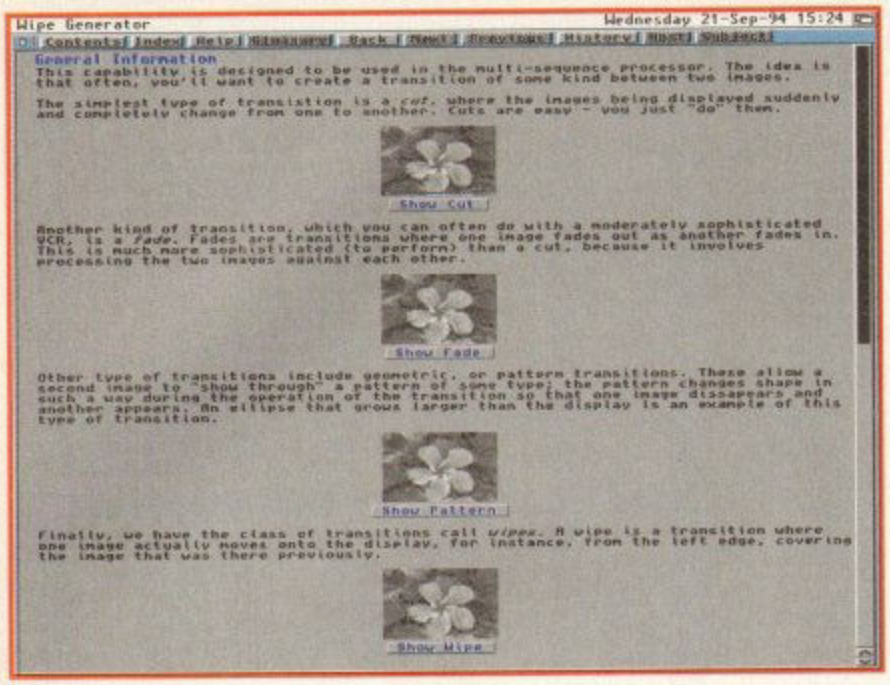
E.M.COMPUTERGRAPHIC - Font, Clipart and Software suppliers to over 9,500 customers!

Our so called competitors claim to offer outstanding technical support and service. If this is true why do the following companies prefer to buy their DTP software from us?
MERIDIAN DISTRIBUTION, CENTRAL TELEVISION, MERIDIAN SOFTWARE, FIRST COMPUTERS, BLITTERSOFT, OMEGA PROJECTS, THE INSTITUTE OF MATERIALS, THE UNIVERSITY OF LONDON, THE GUILD OF PROFESSIONAL VIDEOGRAPHERS, THE IMPERIAL WAR MUSEUM AND MAJORVISION INTERNATIONAL.

MasterCard VISA EUROCARD
E&OE
Credit Cards Welcome - Same Day Dispatch - £10 minimum order
Cheques / Postal Orders payable to: ***E.M.COMPUTERGRAPHIC***
Cheques are subject to 5 working day clearance

E.M.COMPUTERGRAPHIC
8 Edith Road, Clacton, Essex. CO15 1JU
Tel : 0255 431389 Fax: 0255 428666

EMC



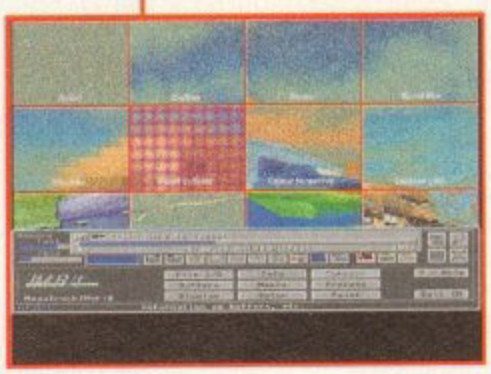
Clicking on the "Show..." buttons makes the flower transform into a cat in the different ways described.



ImageMaster offers a nice alternative to boring file requesters...

First impressions matter but what's hidden behind the scenes. Frank Nord delves deeper into ImageMaster and finds out

Master house



Retargetable? Amiga High Res? Pah!

Well, it's been a long time since I took ImageMaster for a test drive. The copy I bought (v9.23) is ages old now and doesn't even reside on my hard drive any more. Still, I thought to myself, it should be interesting to see what they've come up with for this version.

The first shock I got upon opening ImageMaster's box was the fact that the sizeable manual they used to include was gone. I wondered for a second whether there had been some sort of mistake, but out of the corner of my eye I noticed one of the sheets of paper accompanying several disks in an otherwise bare box.

Manual

This sheet went to great lengths to explain that since Black Belt was such an ecologically sound company it would no longer be producing the manual on paper (only later did it say that it's also really rather expensive).

So we have a pirates dream. Software complete with manual on seven disks. But is it a user's dream too? Hmm, well, a manual on a disk sounds okay in theory but there are a couple of problems.

The first is that ImageMaster uses a separate screen for ApAssist, their online manual program, so you have to continually flip screens to go from one to the other. It would make things easier if you could just flip back and forth using the Help key but, unfortunately, that just puts you back at the contents page each time, resulting in the user having to re-find her place all the time. The other major problem with online documentation is a lack of portability. Until someone brings out a laptop Amiga you are never going to be able to read this manual on the train.

I would like to be able to go straight into sections detailing special effects, transformations, etc. from the contents page. There are a lot of buttons on it for what seems like introductory stuff that could have all been on one button and then only a couple of buttons where there should be a dozen.

However, there are a lot of good things about this manual. For instance, the little animations playing inside the manual and the interactive tutorials which work by clicking a button on the manual page which takes you back into ImageMaster's interface where you are presented with whichever effect you have chosen demonstrated on an existing buffer, with the option to undo the effect at the end of the demonstration. On now to the program itself. ImageMaster has always been the leader of the three main image processing packages in terms of effects appliable, and this version still offers more little gizmos to play with than either ImageFX or ADPro.

Uses

Not all of them are very useful, but having a reasonably good morphing package built in to ImageMaster will certainly win it a number of friends straight away.

The stability of ImageMaster also seems much improved (the version I own was prone to frequent crashes) and the interface is a lot more consistent, if still a little overwhelming with the sheer amount of options presented and the names chosen for these options.

As an example, how about cropping an image? Since ImageMaster gives the user such a wide variety of area selection tools, a crop should be a doddle wouldn't you think? But no, try as I might, I couldn't find

a crop command in the interface and I had to resort to the manual which didn't seem to detail a crop command either (even in the index).

Surely some mistake? No, it's just that ImageMaster refers to cropping as "clipping" and hitting the Clip button in the manual brought me to the description of how it is done. Now, this is a trivial example and if it hadn't been about 4am when I was trying to crop this image I probably would have said: "Oh yes, silly me. Black Belt calls the process clipping.

Unfamiliar

Easy peasy", but it just goes to show that unfamiliarity can breed contempt just as easily as familiarity. (At the time I was even sorely tempted just to load the image into ADPro because it was easier to crop the file in there). Insisting on the user having to type stuff into gadgets is also not on in my opinion. If you are going to require ARexx scripts for a redraw (why?) then at least present the user with a file requester to choose the script from.

While on the topic of niggles with the user interface, why did Black Belt decide to lump absolutely everything in the main executable? The ImageMaster file is over 2MB in size which must make it harder to upgrade than using a modular approach which can be picked apart as necessary.

Other problems include the fact that clicking on the ImageMaster R/t logo in the main interface is supposed to bring up a list of information specific to your computer (it doesn't do anything), and the fact that you are supposed to be able to relocate your selected area by holding down the right mouse button while drawing the area out – this doesn't work either.

When you get right down to it, what sort of interface doesn't give you any option but to carry on with a process, even if you don't want to, and relies on you being able to hit the cancel gadget while the operation in question is being performed or having an Undo buffer.

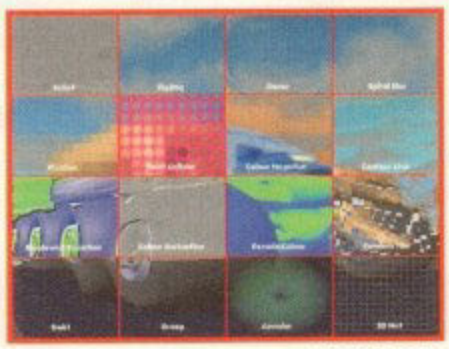
Next comes the question of the FilmStrip, ImageMaster's preview window for animation and morphing/warping operations. I don't consider my machine under-specified with 14MB of RAM, but even before I loaded an image there was "No RAM available for FilmStrip". I tried all sorts of things to get it going, but to no avail – if you'll excuse the pun.

Having exhausted all the possibilities I was willing to try to get the FilmStrip up and running, I decided I would have a go at the Wipe tutorial detailed in the manual. After a bit of faffing and a crash I eventually got the result you should see somewhere about these pages.

Control

It's really quite good and the stars can be replaced with ellipses, rectangles, etc. There is a large amount of control over these elements including X & Y quantities, rotation and whether or not to have a variable transparency as the wipe occurs. Although it all seems rather horrendous to achieve, after your first couple of wipes you'll wonder what all the head scratching was about.

of the



Aaah! Image processing at its best.

Retargetable? Someone say retargetable?

As those of you who read this rag regularly know, I am the proud owner of a Picasso II graphics card. So it was with delight that I read the blurb on ImageMaster's box saying it was retargetable.

How disappointed can you get? Very. ImageMaster doesn't even use the display database for its preview screen choice and its choices for retargetting are limited to Firecracker (an NTSC frame buffer by Impulse that hasn't been made for a good couple of years), HAM-E (by Black Belt, also no longer in production), Harlequin (and thus Retina) and AGA.

I don't consider being able to run on AGA "retargetting", but I would expect to see an option to choose the screen mode yourself rather than a 1.3-type "Do you want HiRes, do you want Lace?" request. Come on, Black Belt get into the Nineties, man.

ImageMaster is certainly one for the serious image processors out there, with its ability to show 1D cross-sectional palette information and spectrum analysis, logarithmic representations and a gorgeous 3D histogram, whose only fault is that it can't be rotated at all.

If you know your Variance Conversions from your Forced Dynamic Ranges then ImageMaster is the package for you.

Offerings

As for the rest of us, well, I'm not so sure. ImageMaster doesn't really offer all that much over the ADPro/ImageFX axis other than its price which is much lower than either of the other two.

It doesn't give as many file formats as the other two but does include ones that are fairly abstruse, such as NASA's JPL format which is probably used by about ooooh, five people in this country – this is the type of failing that ImageMaster exhibits.

In summary, while ImageMaster is a superb package in most respects it is let down by its insistence on an esoteric interface, its odd method of retargetting the display and its slow speed.

Are you well supported?

As Black Belt incessantly reminds you through all the literature accompanying ImageMaster, it is probably the finest Amiga software company around in terms of support and updates.

However, I spoke to Ben Williams of Black Belt on the net earlier this year to enquire about the latest revision of ImageMaster (remember, my version is about two years old) and he was very helpful, as long as I had a credit card.

Since I refuse to own one of the Devil's playing cards I was in shtuck. I asked him to check that they had my name and address on their database as I had never received any info about upgrading or news about the many bug fixes that went through from the version of ImageMaster I owned to the present one, and I was somewhat shocked to receive the reply that Black Belt never sends any info out to its registered users, let alone any updates.

If I wanted to buy the latest upgrade it would cost me $25 plus shipping, regardless of whether it was an upgrade or a bug fix. I don't mind paying for upgrades but I really think that users who loyally support a package should be entitled to receive free corrections of programmers mistakes.

SYSTEM ESSENTIALS

RED = Essential **BLACK** = Recommended

Hard drive	Hard drive
1MB Chip RAM	2MB Chip RAM
4MB Fast RAM	Lots of RAM
	68020/68030/68040
Workbench 2 or higher	Workbench 3

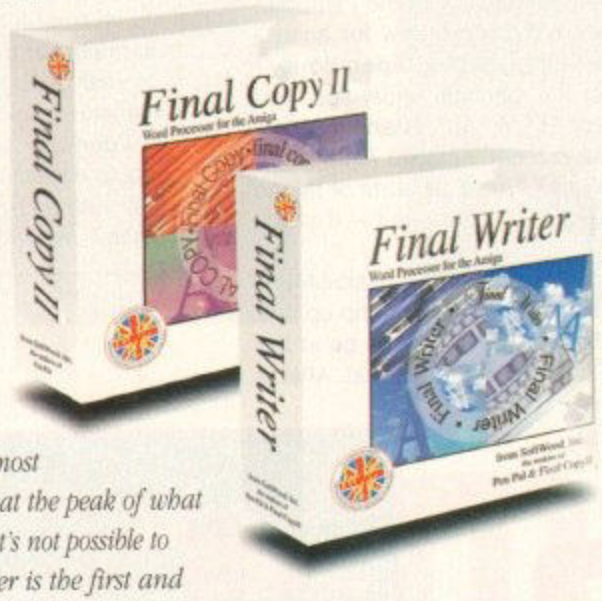
The bottom line

Ease of Use	4
Implementation	5
Value for Money	9
Overall	6

At SoftWood we have o

...we don't just rest on them!

When your software repeatedly wins the highest accolades in revieus worldwide, what do you do? Work even harder to stay ahead of course! New Final Writer Release 2 is the latest result of our intensive development - it's even easier to use, and even more powerful. It's the best there is, and it's designed for those who expect the most from their Amigas. But, if you don't have a hard drive system, don't despair, we can still help. At SoftWood we offer you a choice of two Word Processor/Page Publishing packages.



But why TWO?

Well, this means that whatever specification Amiga you have, SoftWood have the perfect solution for your requirements - and always the most powerful possible for your system. Final Copy II is at the peak of what can be achieved when running with twin floppies, it's not possible to offer more without losing performance. Final Writer is the first and only hard drive compulsory Amiga word processor; the only package that doesn't make compromises to be floppy compatible!

The SoftWood Advantage...

Final Copy II (upgradable to Final Writer as your needs grow) and Final Writer are the only word processors that give you ***PerfectPrint***™ *- a unique printing advantage giving silky smooth Industry Standard Adobe™ Type 1 or Nimbus Q scalable outline fonts direct to* ***any*** *printer (even dot matrix and ink jet), in both landscape and portrait. Others use a restrictive and unnecessary jumble of different fonts with complex driver programs for outputting to various printers. The launch of Final Copy II introduced* ***FastDraw***™ *- a special set of structured drawing tools for constructing lines, borders, arrows, circles etc. directly on the page.*



Final Writer, extending innovation...

Now, as others are just starting to add similar features, saying they're 'revolutionary', Final Writer extends the innovation further with ***FastDraw Plus***™ *- adding even faster and more functional options, including a new rotate command. Final Writer Release 2 is again leading the way with the introduction of* ***TouchTools***™ *and* ***PowerUser Bar***™ *technologies. These features give the user a definable area at the top of each document window where up to eight "one-touch" button strips can be configured. Each strip contains easily customisable sets of functions giving instant access to all the major commands/features - with a simple click of the mouse! There is even a set of buttons allowing "one-touch" selections of font style and size plus variations including Plain, **Bold**, Italic and Underline!*

It's no wonder we've received top reviews, ratings and awards from all the leading magazines...

"What the Papers Say..."

Amiga Shopper... *"Final Writer is the closest thing to Microsoft Word to appear on the Amiga"* **Amiga Computing...** *Final Copy II voted "Best DTP Package"* **Amiga Shopper...** *"If ever there was a good reason to buy a hard drive for your Amiga, Final Writer* ***is*** *that reason - Amiga Word Processing has come of age with Final Writer"* **Amiga Format...** *Final Copy II is "The Best Word Publisher"* **Amiga Pro...** *"In comparison (to Wordworth 3), Final Writer 2 is slick, solid and reliable and... is a damn site more usable"* **Amiga User International...** *Final Writer is "a powerful program that produces excellent results"* **Amiga Computing...** *Final Writer is "easily the most configurable Amiga WP ever"* **CU Amiga...** *Final Writer is the "most powerful WP ever to grace the Amiga"* **Amiga Format...** *"I'd go for Final Writer over Wordworth (3) - Final Writer is a joy to use"*

All trademarks are acknowledged

The Highest Accolades...





Final Copy II Release 2

Our word processors go beyond simply producing normal letters and documents, at which they naturally excel, and progress into a world where "how the whole document looks" is just as important as "what it says". Admittedly, this can be achieved with Desk Top Publishers - but they're not so easily used as word processors, especially when a good looking letter needs creating quickly - they're far too cumbersome.



Final Copy II offers the perfect balance between the two requirements... Ease and speed of use, with total control over the perfect printed presentation.



Complete control over how documents look, now *you* have it at your finger tips on your Amiga! Features include: **FastDraw**™ (on-screen drawing tools for use with the generation of borders, boxes and lines or arrows at any angle), Multiple Newspaper Style snaking columns, **PerfectPrint**™ (the unique ability to use **Post Script**™ outline fonts on absolutely any printer in either portrait or landscape) and Text Auto Flows around graphic objects and imported pictures (placed anywhere, scaled or cropped) with the highest print quality. Text can also be printed over graphics!



It's features like these that explain why there are some professional magazines, with 200+ pages, that are produced entirely with *Final Copy II*! Publishers, and many others, have quickly discovered that...

No other Amiga Word Processor in the same category, and at such a competitive price, has all the capabilities *Final Copy II* users have always taken for granted! Isn't it time for you to take a look too!

SoftWood Direct Price: **£49.95**

SoftWood Direct...*the* ***best*** *software at the* ***best*** *price...*Order

HELP ON MEMORY: Our products are the most economical in their use of memory. Like others, we quote the minimum memory required to load our software but we also like to make it clear that all

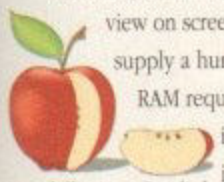
ur Laurels...



NEW Final Writer Release 2

Final Writer was launched last year with the power user in mind. It is the Amiga's only Hard Drive compulsory word processor - neither performance nor features have been compromised to maintain compatibility with floppy drive only systems. As well as having a unique list of features for the author of longer documents and publications - automatic indexing, table of illustrations, table of contents and bibliography generation - *Final Writer* with its **TextBlocks**™ was the first word processor to put a character (or group of characters) anywhere on the page, at any size and any angle. It offers a virtually unlimited ability for effects with graphics *and* text. Just like *Final Copy II*, *Final Writer* also includes **PerfectPrint**™ and has a set of tools to create structured graphics with new **FastDraw Plus**™ (now with additional functionality that includes new options like rotation). And... you can also access features unique to SoftWood with both the new **Touch Tools**™ & **PowerUser Bar**™ "one-touch" technologies. Simply 'clicking' a button, means you can define, change and save such things as the 'Paragraph Styles' (ie. Font, Font Size, Text Position, Bold, Italic, Underline etc.) and 'Layout Options' (left, right, centre or justified, bullets, line spacing, indents etc.). The options you have through single button selections are nothing less than remarkable! Indeed, one magazine heralded these as "the closest thing to Microsoft Word to appear on the Amiga"! Also uniquely, *Final Writer* can import, scale, crop, view on screen and output structured PostScript EPS clip-art images (we supply a hundred free with the package) to *any* printer (>2mb system RAM required). And... if you own a PostScript printer *Final Writer* is the only word processor with a set of output options including scaling, crop marks, thumbnails, and half-toning. Combine features like ARexx/Macros and **Text Clips**™, with others new to *Final Writer*, including floating palettes and UNDO/ REDO (on text, formatting *and* graphics actions) - and you have... ***Final Writer Release 2.***





Actual Clip Art as Supplied



Available now from SoftWood Direct (and all other good Amiga software stockists) - offering you the...

Perfect Word Processing/Page Publishing Solution.

SoftWood Direct Price: **£74.95**

Hotline 0773 521606

graphical software requires more memory - dependent on the functions being used.

SoftWood

New Street Alfreton Derbyshire DE55 7BP England
Telephone: 0773 521606 Facsimile: 0773 831040

Introducing - SoftWood *Direct*

We recently surveyed a sample group from of our tens of thousands of users asking for their opinions or comments about our software. The results were overwhelmingly positive with many users saying that they regretted not buying *Final Copy II* or *Final Writer* much sooner!

When we asked them why they hadn't, the most common answers were price and availability, combined with the fact that they often had another word processor they'd owned for some time - or had received free. They couldn't see the need to upgrade! Once they had however, and found just how much more easily and more productively they could work, and how much better the output could be from their own printer... they couldn't believe what they'd been missing!

When you can buy a brand new Amiga for under £300, it's obvious that software has got to be priced competitively. Even now though, some Amiga software vendors are raising their prices to counter faltering sales. Some even charge you, again and again, each time you call them for support! Our increasing sales mean we can now lower our prices to the best we've ever charged! Buying from SoftWood Direct ensures you get the Best Possible Software at the Best Possible Price!

But... don't just take our word for it; magazine reviews of Amiga word processors in the UK, and worldwide, have bestowed higher marks and more awards on *Final Copy II* and *Final Writer* than any others. We prefer not to say we're number one - the experts do it for us! Our packages have consistently been acclaimed for their "bullet-proof" reliability right from the day of launch. SoftWood software works first time, every time!

We listen to feedback from our users... and we act on it! We're so confident you'll be delighted with our programs, we now offer a no-risk chance to find out. SoftWood Direct's promise to you is that if you find we don't live up to any of our claims... We'll give you your money back! When you've decided you're completely happy, by simply returning your registration card you'll qualify for free lifetime technical support. And... Final Writer owners will also receive 50 additional outline fonts, completely free of charge; Fonts that others may charge £££'s for.

Call Today... to find out what you've been missing!

3 Easy ways to Order

1 **BY PHONE** 0773 521606 2 **BY FAX** 0773 831040 3 **BY POST** ...to the address below

SoftWood *Direct*

DEALER ENQUIRIES WELCOME

ORDER FORM

ACO

Mr/Mrs/Miss/Ms:_____ Initial(s):_____ Surname:_____

Address:_____

_____

County (Country if overseas):_____ Postcode:_____

Daytime telephone:_____ Evening telephone:_____

Please charge my credit/debit card as detailed below *(Please Tick)*...

(Card Authorisation Signature:)

'*Final Copy II*' UK & Overseas **£49.95** ☐ '*Final Copy II*' Non UK EC **£59.95** ☐

'*Final Writer*' UK & Overseas **£74.95** ☐ '*Final Writer*' Non UK EC **£84.95** ☐

Credit/Debit Card No.: ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Expiry Date: ☐☐ ☐☐ Issue No.(Switch Cards Only): ☐☐

Cheque/Bank Draft/Postal Order for £ ___:___ payable to SoftWood Products Europe... ☐ *(Please Tick)*

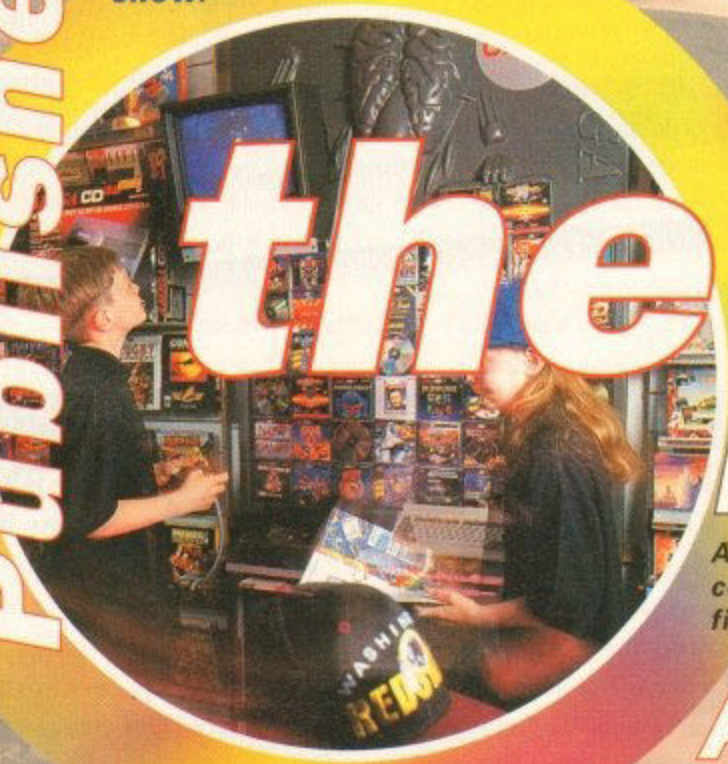
PLEASE RETURN TO: SoftWood Products Europe, New Street, Alfreton, Derbyshire DE55 7BP.

see, feel, try & buy

World of Amiga

Publisher's Plaza

All of the Amiga press under one roof. Talk to the editors and sign up for a subscription to your favourite magazines. Competitions being run throughout the show.



the main Retail Park

An Aladdin's Cave of stalls selling everything you need for your computer and much more, from complete systems to stocking fillers. Don't miss out on the incredible show bargains.

Games Arcade

Pit your skills against the best of the games this Christmas in the World of Amiga Games Arcade.

ACE Village

All the gadgets, gizmos and software you'll ever need for your multimedia work. Talk to the experts from around the Amiga World on high end application requirements. Graphics, Video, Networking, Animation, Image, Processing, Text Manipulation ...

ALMATHERA
AMIGA CENTRE SCOTLAND
AMIGA USER GROUPS
ARCADE SOFTWARE
ARCANE SOFTWARE
BLITTERSOFT
COMPUTER MALL
DIGITA INTERNATIONAL
DIGITAL PROCESSING SYSTEMS
EUREKA
GOLDEN IMAGE
GP SOFTWARE (AUSTRALIA)
GREMLIN INTERACTIVE
HI-SOFT
ICL WARRANTY
INTERPLAY
KOMPART
LOLA
MACRO SYSTEMS
MERIDIAN DISTRIBUTION
MICROVALUE FLAIR
MULTIMEDIA MACHINE
NASCR
NATIONAL BUSINESS COMPUTERS
NUTEK
OPTONICA
POWER COMPUTING
QUICKSHOT
RASPUTIN SOFTWARE
RAMIGA INTERNATIONAL
ROMBO
SCALA UK
SILICA SHOP
TEAM 17
THALLION
TRI-LOGIC
VILLAGE TRONIC
VISUAL IMAGE DYNAMICS
WHITE KNIGHT TECHNOLOGIES
WORLD OPTICAL
... AND MANY MORE

WEMBLEY EXHIBITION CENTRE – HALL 1

9-11th December 1994

Friday-Saturday 9.30am-5.30pm Sunday 9.30am-4.00pm

Admission: Adults £6.00 - Children under 14 £4.00

Family Ticket: (2 Adults & 2 Children under 14) £15.00

94 event

Software City

See, play, and buy the latest and best in games on the Amiga. Many of the top software houses will be there showing what's new on floppy and CD this Christmas.

Stage

Throughout the exhibition there will be non-stop entertainment with live bands, radio broadcasts, competitions, demonstrations, celebrity appearances and a few more surprises in store. Don't miss the opportunity to get involved and become a star for the day.

Many other features including:
Simulator Ride
Santa's Grotto
Creche

Theatre

Join in the debate, see the latest applications software and peripherals being demonstrated, talk turkey with the UK's top programmers.

Competitions

Apply for your advance tickets now and go into the free draw for

- ★ **14" Remote Controlled Colour Television**
- ★ **Two tickets to a concert of your choice at Wembley Arena during 1995. Wembley is famous world wide for staging concerts including Wet Wet Wet, Take That, Meatloaf, Phil Collins and many more.**

(Nb. Two draws will be made for tickets purchased between 15th October/ 5th November and 6th November/ 2nd December.)

TICKET HOTLINE
01369-7711

E&OE

Cut out coupon and send a cheque, postal order or credit card payment for the appropriate amount

Type of ticket :

Child (£4) ☐ Adult (£6) ☐ Family (£15) ☐

Total Number of tickets required _____

Total cost £_____

Method of Payment: (please tick)

Cheque or P/Omade payable to World of Amiga Exhibition '94

☐ Cheque ☐ Postal Order ☐ Access ☐ Visa

Credit Card Number

☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Expiry Date _____

Signature _____

Mr/Mrs/Miss _____

Address _____

_____

_____

_____

County _____ Postcode _____

Send to:
World of Amiga Tickets,
Highland Avenue, Dunoon, Argyll,
PA23 8PQ

E&OE

MAGAZINES	
AMIGA COMPUTING	COMPUTER & VIDEO GAMES
AMIGA ACTION	CU AMIGA
AMIGA FORMAT	GAMESMASTER
AMIGA CD32 GAMER	GAMESWORLD
AMIGA POWER	JUST AMIGA MONTHLY
AMIGA SHOPPER	MEAN MACHINES
AMIGA USER INTERNATIONAL	THE EDGE
	THE ONE



Frontier Innovations Pack

Comes complete with
* Amiga1200 * Frontier Elite II
* Batman Returns
* Wordworth AGA
* Print Manager
* Personal Paint V4
* Day by Day
* Total Carnage
* Brian the Lion
* Zool 2

£329.99

Buy Today Pay In 6 Months

* No Deposit * No Interest Charges
* No Strings Attached * Subject to Status

Commodore 601

Trapdoor upgrade for the Amiga 600, 512K. **INDI PRICE £19.99**

A1200 Hard Drive Options

130 Mb Hard Drive Pack **£519.99**

170 Mb Hard Drive Pack **£579.99**

12 Months At Home Warranty from ICL

Do You Own An Amiga A1500 / A2000 / A3000 0r A4000

2091 SCSI Controller Card

* 6.6 Roms for use in the A4000
* Upto 2Mb of 16 bit dips can be fitted
* Any 3.5" SCSI Hard Drive can be fitted
* Install software for SCSI Hard Drive

Any other standard SCSI device can be added
* Tape streamer
* SCSI Scanner
* External Hard Drive

£69.99

Scoop Purchase

Top Quality 100% Error Free

BULK DISKS

50 Disk Pack **£12.99**

Disk Labels 500 Pack **£4.99**

New Low Price IDE Internal Hard Drives

Indi can now offer top quality 2.5" Internal Hard Drives for the Amiga 600 and 1200 at unbeatable prices. All drives come complete with cable and installation software.

130Mb 2.5" Internal HD's **£214.99**

170Mb 2.5" Internal HD's **£249.99**

Rombo Audio Visual Products

Megamix. Low cost, hi spec digital effects cartridge plugs into the printer port of the Amiga. Allows stereo sampling from almost any musical source. **INDI PRICE £26.99**

Take Two. Animation package is a must for computer artists and enthusiasts of all ages. As used in Rolf Harris Cartoon Club. **INDI PRICE £34.99**

Vidi Amiga 12. The ultimate low cost colour digitiser for the Amiga. "the best value full colour digitiser on the market".- Amiga Format.
INDI PRICE £69.99

Rombo Vidi Amiga 12 (RT)
Based on the best selling Vidi Amiga 12. This all new version offers real time colour capture from any video source. Full AGA chipset support as standard for all A1200/A4000.
INDI PRICE £129.99

Rombo Vidi Amiga 24 (RT) Plus FREE Power Supply
For the more serious user, this 24 - bit version will again capture from any video source with true photo realistic images! A staggering 16.8 million colours can be utilised with incredible results. Full AGA chipset support.
INDI PRICE £219.99

LAST CHANCE

MBX 1230 XA 50 Mhz 50 Mhz 68030 & MMU

* Allows your A1200 to run 1.52 times faster than a A4000 / 030
* Easy trap door installation (No soldering required)
* Fast RAM upgradable to 128 Mb (72 pin 32 bit)
* On board battery backed clock
* Does not interfere with PCMCIA port

50mhz **£199.99**

50mhz +50mhz FPU **£229.99**

Amiga Replacement Floppy Drives

Amiga 500 / 500+
Amiga 600 / 1200

£34.99

AlfaScan - Plus 256 Greyscale & Alfa Colour 256K Colour Hand Scanner

This Superb A4 Amiga Scanner voted "Amiga Shopper Best Buy", arrives complete with Merge IT and Micrograph OCR Software. Merge IT allows the simple, quick merging of two on-screen images and Micrograph OCR turns your Amiga into an efficient text reading system.Amiga 500/500 plus /A600 /A1200 /A1500 /2000 /3000 /4000
* Minimum 1Mb memory * Minimum 2Mb memory & a Hard Disk to run OCR option.
* Kickstart, Workbench V1.2 or higher.

AlphaScan plus 256 Greyscale

£129.99

Alpha Colour with 256 Colour Handscanner
Plus power supply

£329.99

Complete with OCR Software
Optical Character recognition allows you to edit Scanned Documents. Perfect for Word Processing Applications

PACE MODEMS The No. 1 in Telecoms

The MICROLIN FX.
Everything you need in a Fax Modem.
* Simple to set up and use
* Universally compatible
* 100% accurate data and Image transmission

£169.99

The MICROLIN FX 32 PLUS
The high powered performer. * High Speed Group 3 14400 bps and 9600 bps fax facility transferring an A4 page in seconds. * V.42 / V.42bis error correction and data compression, a great money save when you have volumes of data to transmit.

£269.99

Complete with Gift-Ware Telecom Software suitable for all Amigas (Except A500)

Opal Vision Mainboard

The Opal Vision Mainboard includes Opal Paint, Opal Animate, Opal Presents and Opal Hotkey.

THE BEST SELLIING "REAL TIME" PROFESSIONAL VIDEO TITLING SOFTWARE.

For a limited period from 10 April until 30 June we will be giving away a **FREE** copy of Montage 24 worth 300 U.S Dollars. Montage 24 features Real Time font scaling, embossing and shadowing, colour spreads and transparency effects with an effective resolution of 1 nanosecond. Its many image processing capabilities include translucency blending, image compositing and beveled boxes. Now you can enjoy the benefits of the ultimate in high quality 24 - bit titling for OpalVision and the Amiga.

Limited Offer

£349.99

Amiga CD32

Once again Indi bring you the best deal in town with a full **£70** off the fabulous **SPECTACULAR CD32 Voyage Pack**. Why so generous? It's simple. The more **CD32** we sell the more software you will buy and at **Indi Prices** who could blame you.

Amiga CD32 Comes with2 Great Games Microcosm and Chaos Engine and whilst stocks last Oscar, Diggers and Wing Commander. CD32 will play your favourite Music CD's

~~£299.99~~
Commodore List Price

£229.99

BUY NOW PAY IN 6 MONTHS INDI TEL 0543 419 999 FAX 0543 418079

Dodgy dealings...

star letter

Always on the look out for a bargain, my eyes left their sockets when on page 127 of issue 77 of your mag I saw the Compudeal Multimedia Systems advert. Wow! Four games for thirty quid plus P&P.

Hmm, bankrupt stock, that's why it's so cheap. So in a rush to avoid disappointment I popped my cheque off in the post first thing.

One month passed and I honestly thought I'd lost my money. But worse than that I'd unknowingly bought pirate software. On opening the package I discovered 11 disks which had been very obviously ripped-off from originals.

I can't understand why people use this trash, it's unreliable, buggy and god knows how many viruses they include. I'd much prefer to pay for an original which includes the plot and instructions, which in turn lead you into the game, than receive four or more pirated games which leave me cold.

It's false economy because straight away you're tempted to cheat which shortens the game's life, you get bored quicker, you buy or obtain more pirate software, the software houses stop releasing games, the pirates move on to something else and you're left with an expensive table decoration – plus a load of very dodgy software.

Get rid of the pirates before they rid you of your Amiga. So take my advice and be careful who you order from. Thirty two pounds for 11 blank disks, that could have bought me a full game – false economy or what!

A Jenkins, Crewe

Well, before joining in to flog the pirates, it's worth stressing that the advertisers in question are already being tracked by the police, FAST and indeed *Amiga Computing's* very own advertising department.

Unfortunately it appears Compudeal Multimedia Systems are a classic hit and run operation – one big score and off into the sunset.

Obviously, with investigations still in progress it wouldn't be wise to go into further detail, however rest assured that everything possible is being done to track down this particular bunch of bad guys.

By the nature of mail order it has obvious appeal to such criminals. The only crumb of advice I can offer is to only ever buy from regular advertisers. If the name's familiar it's fairly safe to say your money will be in good hands.

No matter how glossy an advert or enticing the bargains don't be fooled, the cost of producing an ad is only a tiny fraction of what a professional operation will pull-down from Joe public if the con trick comes.

For all those, who like yourself, have been stung by this particular scam I can only apologise that we were duped into accepting their advert in the first place – which of course will never be paid for.

As for your comments on pirating in general, it's pleasing to see there are still people out there who realise what copying will mean in the long term. No market, no development, no Amiga, it's literally that simple.



Aduice line

I am seeking advice on a database purchase. It should be capable of storing a vast number of entries, importing graphics and sound and possibly adaptable to incorporate an initial menu system.

I have thumbed through your pages of PD offers but I'm not sure what the individual software offers. I am not specifically looking for PD, it could be a commercial package if there's anything suitable.

P.A. Newson, Great Yarmouth

Strangely enough we had a fairly similar query in last month's column. In your particular case I'd suggest SuperBase Pro4 as the ideal solution to your database dilemma.

If going commercial isn't a problem it offers the ideal solution with support for both sound and graphics, plus it boasts its own internal programming language which will allow you to customise an existing database or build your own dedicated version from scratch. As you'll soon discover the software ain't cheap, but if you want this kind of power I'm afraid there's no alternative but to pay for it.

Thoughts on Imagine

Being an avid 3D modelling enthusiast I must admit I'm just a little confused. I'm about to upgrade from Imagine 2 but the question is should I go for Imagine 3 or save up and invest in Lightwave3.5?

I must admit, I wasn't really considering Lightwave until fairly recently, but over the last few months all the Amiga mags seem totally consumed by it. In just about every issue – *Amiga Computing* especially – they seem to come up with a seemingly endless collection of add-ons.

Is it really that good, and if so why? Obviously, with several years of hard slog mastering Imagine behind me, I don't exactly relish the prospect of learning a completely new package without very good reason.

D Silvers Rhyl

I can certainly sympathise with your dilemma. The hype for both programs has been massive and of course expectations and subsequent editorial has done little to clarify the relative benefits of each.

As you're probably well aware, both programs are very impressive, but due to their release dates and the subsequent scramble for exclusives the two have never really gone head to head.

However, as luck would have it you've come to the right place. Being the first Amiga mag to review both programs, we're in a healthy position to offer a potted opinion on the pros and cons of both.

If your primary interest is static images I'd suggest you stick with Imagine, simply because it still offers the best photo-realistic end results of all the Amiga's ray tracers.

Although a notoriously tricky business, Imagine's flexibility when it comes to texture mapping is second to none. However, if you're an animator, Lightwave is without doubt the best in the business.

You only need to watch a couple of episodes of Babylon5 and SeaQuest DSV to have this proven beyond any doubt. Unlike Imagine, Lightwave is primarily an animation system which also doubles up as a ray tracing and modelling system.

As a result, its texture mapping features aren't quite as comprehensive as those offered by Imagine, therefore a little more thought is needed if you require photo-realistic end results.

Basically the whole thing boils down to your main interest. If it's static images I'd recommend you stick with Imagine 3, but if animation is for you nothing comes close to the power of Lightwave. It's quite simply in a league of its own.

Hot and bothered



I am asking for advice, as I am worried that I may have a problem with my A600. While I was at work, my small son must have switched on the machine, so it stayed on until I heard the disk drive clicking when I went to bed that night.

I don't know how long it had been left on, and it wouldn't have mattered, except for the fact that I always keep the dust cover on, and because of that the underneath of the casing had become quite hot.

Everything seems to be working fine, except that some loading screens and graphic displays now seem to shimmer – something which I didn't remember them doing before.

Game graphics seem to be OK, and all my software seems to run without a problem, it's just that, as I said, certain loading screens and graphic displays appear to flicker.

Has my "little darling" done some damage? And is it likely to cost a lot to fix? Please help. I'm extremely worried, as I don't have any spare cash and I need my computer working in tip top order.

I.K. Gee, Bristol

OK, we'll start with the possibility of damage to your machine. Although it may have been running for hours it's highly unlikely this caused any damage.

Basically the only damage done will be to your electricity bill – and even this will be very minimal. In 99.9 per cent of cases leaving a machine on for days or even weeks will do it no harm whatsoever.

In fact the only time your likely to experience a problem is when you first switch the machine on, it's at this point that the system is put under the most strain as the circuits receive a sudden jolt of electricity on power-up.

As for the dust cover remaining in place, I'd be very surprised if the insulation provided would be enough to overheat the machine to a dangerous degree.

Obviously it's worrying when the casing warms up but if the machine still boots, and your software still runs there's very little to worry about.

As for the sudden screen flicker, I'd suggest this may be a psychosomatic reaction to the exploits of your "little darling." Many programs boot-up using interlaced screen resolutions and then revert to a normal non-interlaced display when in use. It's possible that until now you didn't pay much attention.

Obviously this is only a possible solution, so I'd suggest you check your monitor connections and ensure that during his little adventure your son didn't accidentally alter your screen mode preference into Hi-res interlaced.

Although this little episode may have been a nasty shock, it's very unlikely your machine has sustained any damage. As for your nerves I'm not so sure.

Got something to say through the pages of AC? Ezra Surf is our mailman, dedicated to reading your letters and selecting the most interesting for publication. Drop him a line at:

Ezra Surf's Postbag , Amiga Computing Adlington Park, Macclesfield SK10 4NP

Please don't enclose saes as Ezra just hasn't got enough paper to reply personally. He might also have to shorten your letters, so don't be offended if you end up getting the chop.

Hard drive, hard work

I would like to warn other readers against dealing with WTS Electronics Ltd who in their dealings with myself have not only been inefficient but downright dishonest. I would urge readers to not be taken in by their glossy adverts and buy elsewhere.

Many months ago I ordered a hard drive from this company who were only too ready to debit my credit card and promise a maximum delivery time of 28 days.

After six weeks and many phone calls to a Customer Services section that rarely answers the phone, I was told that the drive would be delivered in 10 - 14 days. I decided to cancel the order and buy elsewhere, incidentally receiving an identical model hard drive within two days!

You cannot cancel an order with WTS. You ring the people that take orders who answer the phone within seconds but flatly refuse to deal with cancellations and tell you to contact Customer Services (who never answer the phone).

They refuse point blank to transfer your call to the said department. Eventually I got through to Customer Services and to make sure I confirmed the cancellation in writing.

A few days later I got a letter apologising for the delay but which very carefully avoided mentioning the cancellation. The familiar statement that "your goods will arrive in 10-14 days" appears but no confirmation of the cancellation.

I rang Customer Services – eventually getting through – and made sure that they knew I wanted the order cancelled and quoted the letter reference. They promised a refund would be given to my credit card.

The next credit card statement appeared after a few days but nothing appeared on the next statement. I rang again to find out what they were up to but got no answer from Customer Services. I rang the normal number and was given the brush off, treated rudely and not put through to the correct department.

I eventually got through to the other number, apologies were given and I was promised a refund would be given by the end of the week. Two weeks later I rang up the credit card company to see if the refund had appeared – you guessed it, no...

That was one and a half months after being told I would get a refund. I have also had to fork out for a hard drive from elsewhere using money that WTS had promise to refund.

I then wrote to them asking where my money was almost three months after my original order and nearly two months after I wrote to cancel the order.

The next day a parcel arrived. It did not say where it came from so I opened the parcel and after such a long time and after making it clear that my order had been cancelled, there was a hard drive from WTS.

I wrote again explaining the situation, asking for my refund for the cancellation I had made and stating that I would return the unwanted and unneeded hard drive when the refund appeared.

After over four months they wrote back saying they have no record of any of my telephone calls or letters and that they will not refund me because I have the hard drive.

As I write I still do not have the refund I was promised so many months ago. Is there any consumer body I can contact to resolve the situation?

W.D.Evans, Caithness

Alas this is an all too familiar tale of woe from WTS. Over recent months we've received an ever growing collection of post from disgruntled punters – all with similar stories to tell.

In fact the situation has become so common that we have now refused to take any further advertising from WTS.

Unfortunately the management of WTS are extremely knowledgeable when it comes to the legal intricacies of the mail order system, so I'm afraid you're fight is probably far from over.

However, my advice would be to get in touch with the trading standards as soon as possible and hand the matter over to them. If there's anyone who will get your cash back it's the good old trading standards.

Weird Science

CD ROMS

AVAILABLE FROM ALL GOOD CD STOCKISTS

Multimedia Toolkit CD

AN AMIGA CD, CD1200, CDTV & CD32 APPLICATION





CONTENTS

OVER 10,000 FILES
500 24 BIT IMAGES
ALSO IN HAM8 & HAM
1308 COLOUR CLIP ART
2139 MONO CLIP ART
93 SCALEABLE CLIPS
750 MUSIC MODULES
2300 SAMPLES

195 BITMAP FONTS
120 COLOURED FONTS
107 ADOBE FONTS
80 POSTSCRIPT FONTS
79 CG FONTS
214 ICONS

& MUCH MORE

ONLY £ 19.95

PC COMPATIBLE IN ISO9660 FORMAT

Amos CD

THE OFFICIAL AMOS PD LIBRARY ON COMPACT DISC

The Official Amos PD Library is the largest source of Amos related source code and programs in the world today. The library is run by Len & Anne Tucker and is endorsed by Europress Software, the publishers of Amos and Amos Pro. This compact disc contains the entire library from disk 1 to 620, each one arranged in it's own directory and catalogued. The disc contains in excess of 33,000 files with over 1600 Amos source code files, 100 sprite banks, 260 Ctext banks, 800 samples, numerous music banks and several extensions to Amos & Amos Pro. Workbench is also included as are Parnet and Sernet to allow transfer of the contents across a network from both the CDTV and the CD^{32}. This CD is truly a testament to the immense following that Amos and Amos Pro has achieved in the past few years and represents thousands of man hours of writing Amos code which will prove to be an invaluable source of help and tuition to the Amos user. Weird Science is proud to bring you this remarkable resource for only **£19.95**

Compatible with all Amigas

Network CD

SIMPLE NETWORKING TOOLS FOR AMIGA CD

The Network CD sets up a link between a CDTV or CD32 and any other Amiga. The CD32 or CDTV acts as a remote drive for your Amiga, allowing access to the vast pool of data available on CD Rom. The CD32 cable also available uses the AUX socket of the CD32 and comes complete with a keyboard pass through, thus still maintaining the ability to connect FMV or SX1 addons. Network CD sets up a Workbench environment and disables the reset function, allowing the CD to be changed and access to any other ISO9660

CONTENTS

Parnet & Sernet
NComm & Term
Twin Express
Fred Fish 800 to 975
Amos PD 478 to 603
74 Utility Disks
PhotoCD Conversion
500 Images in 256 cols.



Network CD £ 14.99
CD^{32} Cable £ 19.95
Parnet Cable £ 9.99

New Releases

CLIP ART

Over 550megs of Clip Art for Amigas and PCs. The most comprehensive collection of Clip Art ever for the Amiga range of computers. In total over 26,000 files. The following formats are catered for, B&W Iff Bitmap, Coloured Iff Bitmap, Proclips, EPS, Pagesetter, Pagestream, IMG, Corel Draw and coloured brushes for DPaint All ready to use and easily accessible in subject directories.

FONTS

A complete CD dedicated to Fonts for the Amiga range of computers. Also PC compatible. The following formats are catered for, Adobe, CG Fonts, Coloured, Postscript, Prodraw, IFF, PCX, Pagestream, Truetype, Calamus and GDOS. Adding up to the most complete CD of Fonts for the Amiga ever. In total over 18,000 files in 900 directories. All ready to use and easily accessible in type directories.

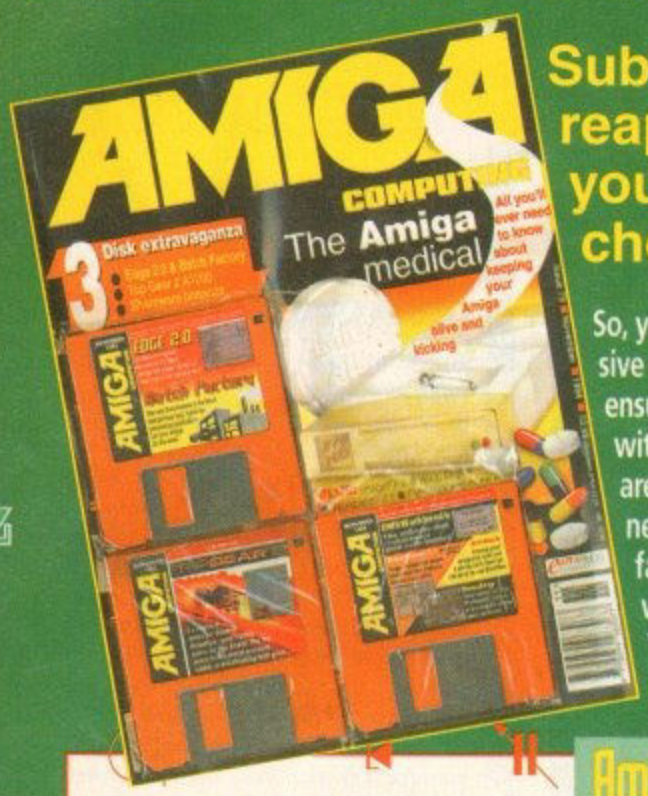
SOUNDS TERRIFIC

A double CD pack containing over 1.2 Gigabytes of musical and sounds data for the Amiga and IBM PC computers. The contents include Modules, Sonix Scores, Midi Files, Samples in RAW, IFF, WAV & VOC formats and utilities for both the Amiga and PC. This all adds up to the most complete collection of sounds on any platform and will form a vital part of any musicians CD collection.

Clip Art & Fonts £ 9.99 each
Sounds Terrific £ 19.95
(DOUBLE CD)

Weird Science. 1 Rowlandson Close, Leicester, Leicsestershire. LE4 2SE
Tel. & Fax. 0116 234 0682

Subscribe to the top valu



Subscribing to *Amiga Computing* means you reap all the benefits of the exclusive treatment you'll receive as a subscriber, and you get to choose one of these great *free gifts* as well

So, you're wondering, what exactly is this exclusive treatment? It's a whole range of things that ensure you get your copy of *Amiga Computing* without any fuss or effort. As a subscriber there are no worries about remembering when the next issue is on sale. You can watch your favourite soap or have a lie in, because you won't be scrambling down to the newsagents. You'll be content in the knowledge that you are part of the select, because your copy of *Amiga Computing* is reserved for you personally. Before the masses have even thought about their monthly expedition to the shops you'll have had your copy for a few days, delivered direct to your door, postage free.

Not only do you already know the latest news and gossip, but you've also had first pick of the bargains on offer. Subscribing by direct debit means you can spread the payment, contributing only a small amount each quarter.

Amiga Computing subscription order form

Choose either a yearly (13 issues) or a quarterly subscription

● **I would like the following yearly subscription:**

New	Renewal		
☐ 9665	☐ 9668	UK	£44.99
☐ 9666	☐ 9669	EU	£69.99
☐ 9667	☐ 9670	World	£84.99
☐	☐	Canada/USA *	$98

● I wish to pay by:

☐ Cheque/Eurocheque/Postal Order payable to Europress Publications Ltd

☐ Credit Card (Visa/Access/Barclaycard/Mastercard/Eurocard/Connect) Expiry Date ____/____

Card No ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

● *Tick which free gift/special offer you want (not available to world subscribers)*

9576 ☐ Two free issues and a magazine binder
9584 ☐ Mouse and mouse mat
9587 ☐ Zool II – all machines
9587 ☐ Zool II – A1200 enhanced version
9586 ☐ Mastering Amiga beginners *(Add £3.95 to the cost of your subscription)*
9589 ☐ Amiga Disks & Drives Insider Guide*
9590 ☐ Amiga A to Z of Workbench 3 Insider Guide*
9591 ☐ Amiga Assembler Insider Guide* *(*Add £1 to the cost of your subscription)*

If you are paying by direct debit please pay additional amounts by cheque or credit card.

* *Canada & USA subscribers send to: Europress (North America), Unit 14, Bysham Drive, Woodstock, Ontario, NT4 1P1, Canada. Tel: 519-539-0200, Fax: 519-539-9725*

☐ *Tick this box if you do not wish to receive promotional material from other companies*

● I would like a UK quarterly direct debit ongoing subscription
9671 ☐ £10.99 per quarter (Complete the form below)

Quarterly Direct Debit Instruction

AUTHORITY TO YOUR BANK/BUILDING SOCIETY TO PAY DIRECT DEBITS

Name of bank/building society.....

Address.....

Name of account.....

Your account no. ☐☐☐☐☐☐☐☐

Sort code ☐☐ ☐☐ ☐☐

Signature(s).....

Date.....

FOR OFFICE USE ONLY
Originator's Identification No. 8 5 1 4 1 2
Ref No. .....

Your instructions to the bank/building society:

- I instruct you to pay Direct Debits from my account at the request of Europress Ltd.
- The amounts are variable and may be debited on various dates.
- No acknowledgement required.
- I understand that Europress may change the amounts and dates only after giving me prior notice.
- I will inform the bank/building society in writing if I wish to cancel this instruction.
- I understand that if any Direct Debit is paid which breaks the terms of the instruction, the bank/ building society will make a refund.

Bank/building society may decline to accept instructions to pay Direct Debit from some types of accounts.

● Deliver my magazine to:

Name (Mr/Mrs/Miss/Ms) _____

Address _____

_____

Postcode _____ Daytime phone no _____

● **Send this form to: *Europress Direct, FREEPOST, South Wirral L65 3EA.* *(No stamp needed if posted in UK.)***

Your subscription will commence from the earliest possible issue

guide for your Amiga!

Take out a subscription and indulge yourself!

Choose one of these free gifts or special offers

● **Two extra issues plus an elegant Amiga Computing magazine binder**

Save £15.93







Subscribe to ***Amiga Computing*** and we'll send you a high quality, exclusive Amiga Computing magazine binder. These specially produced binders will keep your magazines in mint condition, providing an excellent reference point, as well as keeping them stored away neatly. As well as this useful binder you also get two extra magazines.

● **Mouse and Logic 3 Mouse Mat**

Save £18.99



You can have this superb mouse and a high quality Logic 3 mouse mat absolutely free when you subscribe.

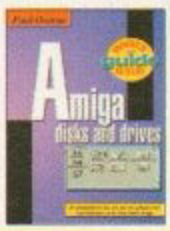
SUBSCRIPTION HOTLINE
for card orders
Tel: 051-357 1275
Fax: 051-357 2813

● **Books for Amiga users**

Choose one of these truly useful books from Bruce Smith Books, publisher of the world's best-selling Amiga books.

Amiga Disks and Drives Insider Guide

This book is suitable for all Amiga users and is the definitive guide to the Amiga's floppy and hard disk drives.



Amiga A to Z of Workbench 3 Insider Guide

Suitable for Amiga A1200 or A4000 owners, this guide describes everyday usage of the Workbench in step-by-step terms.

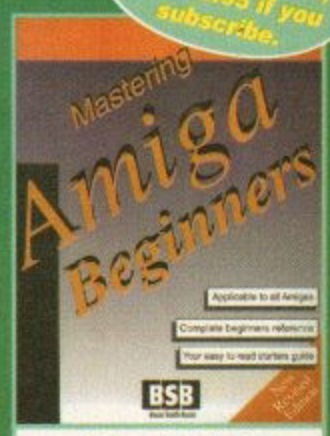


Amiga Assembler Insider Guide

Ideal for new users wanting to learn to write programs in the native code of the Amiga assembler



Normally £19.95, only £3.95 if you subscribe.



Mastering Amiga Beginners

This is the book to provide you with a solid grounding, through easy to understand step-by-step instructions and explanations of terminology. This superb book covers the A1200, A600, Workbench familiarity – just about everything.

The Insider Guides normally retail at £14.95. Add £1 onto the cost of your subscription and any one could be yours.

● **Zool 2**



This widely acclaimed game follows Zool's travels through a further six huge levels, larger than those in the original, that feature a number of different ways of completion.

Zool has new and special abilities, including expert climbing skills and is now accompanied by his pet dog, Zoon. With great sound effects, hidden bonus rooms, highly intelligent enemies and the choice to play Zooz, Zool's girlfriend (shown here), Zool 2 makes an excellent free gift.

Zool 2 is suitable for any machine, though A1200 owners can choose an enhanced version (see order form).

Save £25.99

EMPLANT

The World's First Multi-Platform Emulation System!



EMPLANT runs high powered programs like Quark Express .... and Adobe PhotoShop!!

New Prices !!

Image Rendered with EMPLANT running KPT Bryce© 1994 by Jim Drew

Macintosh® Emulation Module

The Macintosh emulation module is a 'generic' Macintosh with the speed of the emulation depending on the processor your Amiga is using. An A3000 is equivalent to a MAC IIci. An A4000 is equivalent to a Quadra 900. Support for up to 16 colours is provided for non-AGA machines. A4000 owners can use a full 256 colours! Up to 24 bit (16 million+) colours is supported using third party video boards such as: Picasso II, EGS-Spectrum, Vivid-24, Rainbow II, Rainbow III, Visiona Paint, Merlin, Retina, Retina Z3, Piccolo, EGS110/24, and OpalVision! Built in multiple file transfer allows for quick, easy transfers between the Amiga and MAC emulation. Support for AmigaDOS devices, Scanners, CD ROM, MIDI, SyQuest removable drives, Printers, Modems etc. Full stereo sound is supported too! Requires Macintosh ROMs (not supplied).

ᴇ586DXˢᴹ Emulation Module

We are now in the final testing stage! We have added the next generation CPU instruction set! The ᴇ586DX emulation module offers a high speed 586DX (FPU, MMU, and new instruction set) emulation with complete low-level architecture support, giving you the ability to run DOS, OS/2, NT, Windows 3.x, and even Chicago! Support for MDA, CGA, EGA, VGA, SVGA video modes, sound, joysticks, floppy drives, hard drives, extended memory, and more!

The possibilities with a multi-platform machine are endless. Now you can take advantage of a whole host of great software previously unavailable, and use them to compliment each other. By upgrading your Amiga (extra memory, faster processor, etc) you instantly upgrade your emulation too!

Blittersoft are the exclusive European distributors for Utilities Unlimited. We provide a full technical support service, as well as software upgrades.

BLITTERSOFT.

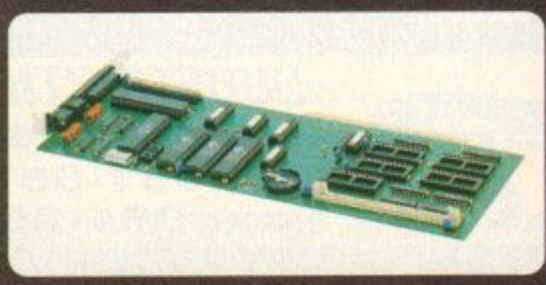
40 Colley Hill, Bradwell, Milton Keynes,
Bucks. MK13 9DB U.K.
0908 220196 24hr Order line
0908 220196 24hr Fax line
0908 310208 24hr BBS (2400-28.8K)
Also plesurf@cix.compulink.co.uk
Fidonet 2:252/328.0

UK/EURO DEALER ENQUIRIES WELCOME

Four different versions of EMPLANT are available.

EMPLANT BASIC	Base emulation card	£249.95
EMPLANT OPTION A	As Basic + AppleTalk	£299.95
EMPLANT OPTION B	As Basic + SCSI	£299.95
EMPLANT DELUXE	As Basic + Opt. A & B	£349.95
ᴇ586DXˢᴹ MODULE	For all versions	£ 99.95

All emulation modules require an Amiga with Zorro II slots, and a 68020 (or better) CPU.
Post/Packing £5.00 3 day or £8.00 next day.
Visa/Mastercard accepted (2.5% Surcharge). E&OE.



All Trademarks and copyrights acknowledged.

Word up

Protext has commanded the respect of the purists when it comes to word-crunching. Gareth Lofthouse gives an update on the latest improvements.

It seems that Amiga word-processors have all been moving in one direction lately. Packages are offering colourful front-ends, in-built drawing tools and DTP functions, all in an attempt to emulate Microsoft's monolithic Word for Windows.

Bearing this in mind, the latest version of Arnor's Protext shows either brave individualism or just plain backwardness in the competitive world of word-processing.

For those who haven't seen the package before, a glance at the screenshots reveals a minimalist approach. The interface is controlled through the old pull-down menus without a single quick-click button in sight.

This doesn't necessarily mean that control of the package is cumbersome. People who are happy learning numerous keyboard shortcuts will be able to get around Protext very quickly.

Take a look at the menus and it becomes clear that the unattractive front-end hides a highly flexible text manipulator. Protext features a powerful text search facility, comprehensive formatting options and the ability to work on two documents simultaneously in a split screen. Files can be managed easily from within the program via the Catalogue option.

The same menu also allows the user to make document settings or to access help. Ten numbered markers can be set while document analysis gives you a word count and all the other statistics you may need to know.

With user friendliness being a main aim of most word-processors, beginners will want to know how Protext rates here. Though visually unappealing, it isn't as difficult to use as it initially appears. Installation couldn't be easier and the documentation provided is of a high standard. The on-line help facility is also good and now includes a full topic list. Despite this, all the pull-down menus make Protext less attractive for the beginner than icon driven packages like Wordsworth.

Having summed up Protext's general capabilities, its time to see what's new in v.6.5. Though not a thorough overhaul, there are some valuable additions, particularly with the auto-corrector.

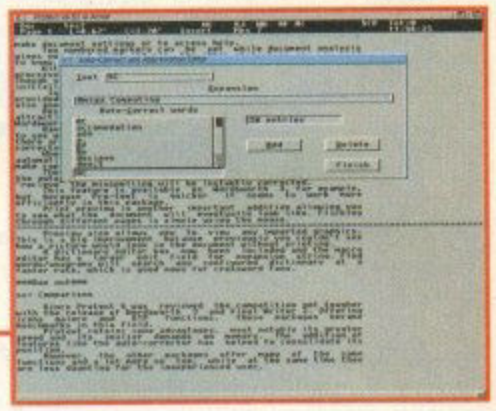
When enabled, this can correct common spelling mistakes automatically. It can also be used to expand abbreviations or make capitalisation corrections.

The user creates a base of errors or abbreviations using the auto-correct editor. It works like this: if the user types "recieve" the misspelling will be instantly corrected. This feature is available on Wordsworth 3, for example, but because Protext is quicker it seems to work more efficiently in this package.

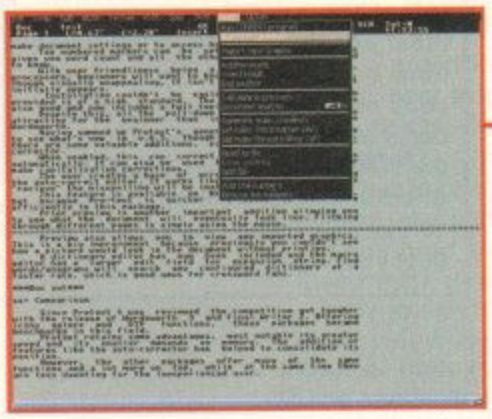
Print preview is another important addition, allowing you to see what the document will eventually look like. Flicking through different pages is simple using the mouse.

Preview also allows you to view any imported graphics. This is a big improvement because previously you couldn't see how a picture would look in the document without printing it.

Also included is a dictionary editor and the macro editor has a larger edit field for expansion string. Find words/anagrams will search any configured dictionary at a faster rate, which must be good news for crossword fans. AC



Here we have the auto-correct editor, a new feature helping to give this WP proofing power that's second to none



Protext spurns fancy buttons in favour of this no-nonsense, rather grim looking interface

Comparison

Since Protext 6 was reviewed the competition got tougher with the release of Wordsworth 3 and Final Writer 2. Offering icons galore and DTP functions, these packages became benchmarks in this field.

Protext retains some advantages, most notably its greater speed and smaller demands on memory, and the addition of features like the auto-corrector has helped to consolidate its position.

However, the other packages offer many of the same functions and a lot more on top, while at the same time they are less daunting for the inexperienced user.

Verdict

At heart, Protext is a powerful word processor and this update has given it a few useful extras. However, there is a danger that new purchasers will find it lacking in some areas. Having to either sift through lengthy menus or learn a huge combination of keyboard short-cuts will annoy many people. Bank upon bank of icons may not be necessary but a few buttons would be helpful.

Other packages offer tools for drawing or table creation. Since these features can enhance humble newsletters, bulletins or business correspondence, they can no longer be considered as superfluous extras.

Until more fundamental changes are undertaken, however, Protext is going to look dated in comparison to the competition. Arnor still has a good product here, but they'd better not rest on their laurels if they want to stay in the game.

SYSTEM ESSENTIALS

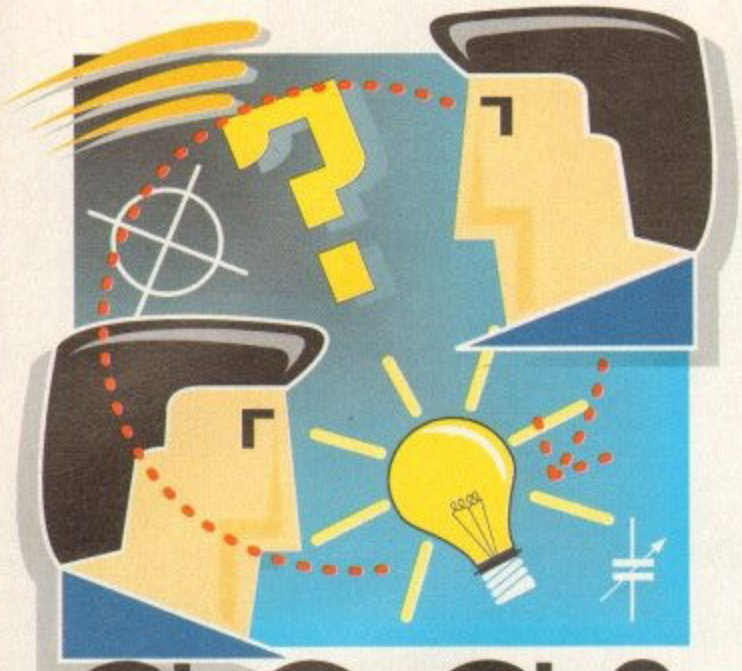
RED = Essential **BLACK** = Recommended

1 Mb		2.1
RAM	Hard drive	Workbench

The bottom line

Price: £79
Supplier: Arnor Ltd
Address: 611 Lincoln Road, Peterborough PE1 3HA
Phone: 0733 68909

Ease of use	**7**
Implementation	**7**
Value for money	**9**
Overall	**8**



acas

AMIGA COMPUTING ADVICE SERVICE

Yet another mixed bag of computer worries comes under the surgeon's knife in time for a speedy recovery

Hard drive checker

I have been using Virus Checker in its various forms for the last year or so. I am not by any means an expert in computing but I can understand how Virus Checker works with floppies inserted in floppy drives.

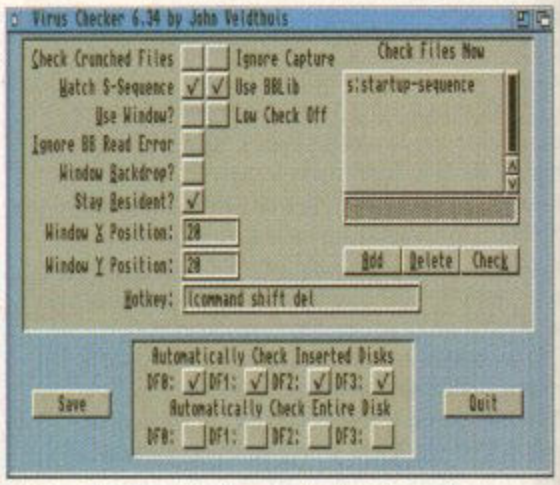
However, I cannot see how it can check hard drives. Does it happen automatically? If not, what do I need to do? I have tried reading the docs but find them too technical and confusing for my limited knowledge.

J. Byrne, Gibraltar

Virus Checker is certainly the best step you can take against the virus threat and it is kept up to date by its author – John Veldthuis.

Although Virus Checker will keep your floppies free from viral infection, it will not protect hard drives. The idea is that you run Virus Checker from the hard drive so that it watches any floppy disks that are inserted.

Using this method Virus Checker should be able to eradicate any viruses before they can infect the hard drive, although most attach to floppy disks anyhow. If you think you may have a virus on your hard drive your best bet is to format the drive, re-install the software and then install Virus Checker to the WBStartup drawer so that it is loaded every time you boot your Amiga.



Although Virus Checker won't directly check your hard drive it will neutralise viruses spread from floppy disks

CD or not CD?

I am considering upgrading to CD-ROM capability and would like a little advice on the subject. I have decided which drive I will be buying (the Zappo) but am a little sceptical as to the amount of Amiga CD products out there.

My interests are mainly in programming and applications, although I have been known to play with games now and again. Your help would be greatly appreciated.

R. Johnson, Cardiff

If you are expecting to find a multitude of applications on CD then think again. At the moment CD on the Amiga is only being touched upon and you'll find that most CDs contain only data or PD utilities.

By data I mean that CDs are mostly being used to store graphics and sound. However, due to the large capacity of a CD these images and sounds are invariably of an extremely high standard.

As far as programming is concerned the only CD I have come across that caters for fans of this genre is an Amos CD packed with extensions, graphics, sound effects and Amos specific programming tools.

My advice would be to hold fire for a while to see exactly what happens to Commodore UK and their bid to take control of the company as a whole. Make a decision on this result.

Workbench flavours

I have just upgraded from the Amiga 600 to an A1200 and I must say that I am extremely pleased with its performance.

Now that I have the power to throw graphics around with ease, I am presently changing my Workbench to suit my own requirements.

I have just registered for the full version of MagicWB but at present I am designing artwork to use as Workbench backgrounds. The problem is that when I drop the background in it is repeated several times and the image looks squashed. Have you any suggestions?

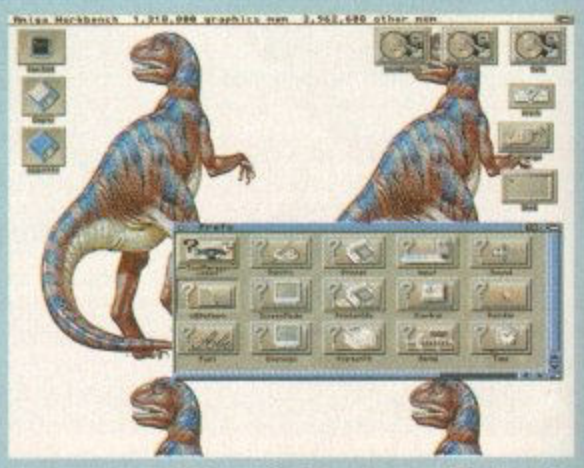
J. Downe, Stoke

The first thing you need to realise is that you will have to create your images in the same screen mode as your Workbench – that way the images won't look squashed. The best way to do this is to check the settings in the ScreenMode program in Prefs. You also need to know a little about how Workbench 3 fills the background with an image. When Workbench has loaded it takes the image and proceeds to draw it into the background. If there is any space left (which there would have been with using an incompatible screen mode),

Workbench will repeat the picture as best it can in the space provided – this is why the image repeats itself. Once you have the screen mode data and draw the image to scale this will no longer be a problem.

Drawing full screen images can severely slow down the refresh rate of Workbench and they eventually become more of a hindrance than a luxury.

The best way to draw Workbench backgrounds is to create small patterns that will repeat. You only need to draw the pattern once, save it as a brush and assign it as the Workbench backdrop. As the image will be fairly small in size Workbench will draw it quickly.



Although the A1200 boasts 256 colours on Workbench it does have problems pushing it around

Tasty backdrops

I would very much like to use my own RAM disk icon but am unsure of how to go about this. As the default disk icon is used for RAM, any attempt to change this affects the default disk icon.

Looking at the Workbench screens in the CoverDisk section (lovely backdrops, any chance of getting them on a CoverDisk?) it obviously can be done. Could you please tell me how.

P. L. Walker, Cheshire

I actually explained how to create a RAM disk icon a few months ago so I'll try and make this as quick and concise as I can.

The first thing to do is to create an icon for your RAM disk and make sure that it is a disk icon. You can then copy it to the S directory with a suitable name. You will then need to edit your User-Startup and insert the following line at the top:

```
copy s: to Ram:disk.info
```

This will copy the icon into RAM and rename it disk.info (a disk icon) so that every time you boot your Amiga the RAM disk has your new icon.

As for your second question – if readers would like to see a selection of colourful backdrops on the disk they should write in and if the response is great enough I'll do it.

I'm presently hunting down that Brian the Lion fix and as soon as I find it I will send it to you. Famous last words!

Star turn

Please could you help me with a problem I am having with my Star LC200 9 pin colour printer. I would like to print using the full potential of my printer but unfortunately there is no Star printer driver and therefore I am having to use Generic instead.

I have scoured the PD libraries but cannot seem to find a suitable printer driver. Where can I get one and how much would it cost? Your help would be greatly appreciated.

L. Weir, Edinburgh

If you want to maximise the potential of your printer it is best to use a totally dedicated printer driver. Generic will work on almost all printers but provides only basic printouts with little or no control over style and look.

Your best bet is to contact Star Electronics direct and ask them for a printer driver. They should be able to send you Amiga specific drivers for just the price of a disk.

For more information contact Star Electronics on 0494 471111.

Flexible floppies

My Workbench 3.0 manual states that my A1200 has the ability to read and format PC disks. When I insert a PC disk in to drive DF0 the machine starts to read the disk and then displays the disks as DF0:????.

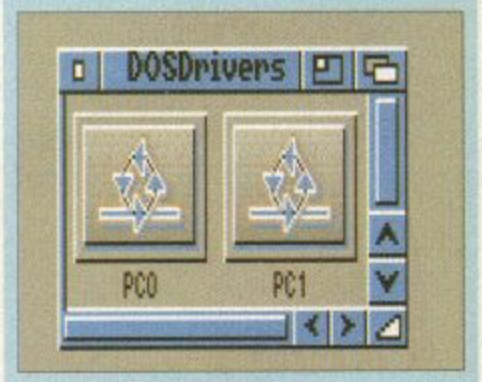
I have tried booting my Amiga with a PC disk as it appears that PC disks are not compatible with Workbench, but this also fails to work. Could you please help out a frustrated A1200 owner? It is important to my work that I be able to read PC disks.

S. Maraclough, Kent

You seem to have been going around this the wrong way. Your A1200 can read and format PC disks, and from the Workbench, but you need to have set up the software correctly.

Open up your Workbench partition and locate the Storage drawer. Open this drawer and then the DOSDrivers drawer at which point you should be able to see two files called PC0 and PC1.

Drag these to the same drawer in Devs, that is Devs/DOSDrivers. Now re-boot your machine. When Workbench has loaded try inserting a PC disk into DF0. After a short while you should see the disk icon and appropriate name appear.



Workbench 3.0 is capable of reading, writing and formatting PC disks, but you must have PC0 and PC1 in the Devs/DOSDrivers drawer

The parkie

I am having a great deal of problems with my A1200 IDE hard drive which I personally installed approximately three months ago.

I have followed the installation procedures to the book and am now totally confident that the drive has been installed correctly.

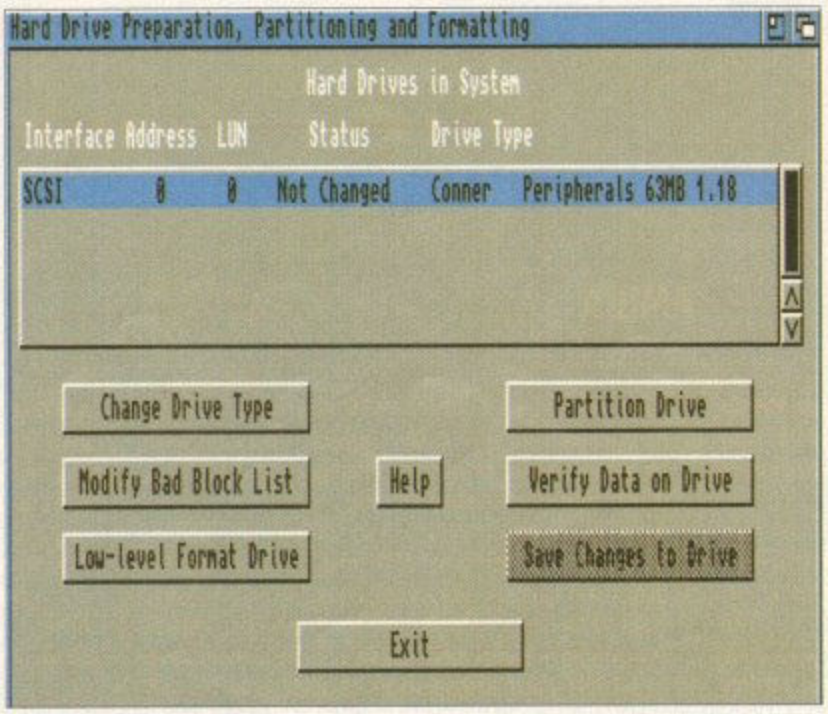
The problem is that while I am working on my Amiga the hard drive occasionally switches off, halting all Workbench processes, and then powers back up, at which point I can resume whatever it is I am doing.

A friend of mine mentioned that it could be the drive parking itself but I am sure this is not a natural event. Could you please help me as the problem appears to be getting worse.

P. Mense, Birmingham

I have checked all the reference manuals I have access to but can find no reason why your hard drive is acting the way it is.

Your IDE drive shouldn't require parking and this sounds to me like you may have a duff drive. My only answer is to back up your important data and take the drive to a local specialist and see if the board is faulty. If anyone out there has ever come across this problem before could they please contact ACAS and I will pass the information on.



If your hard drive appears to be acting strangely back it up immediately

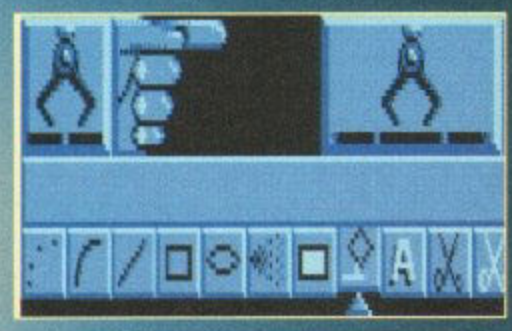
Any questions?

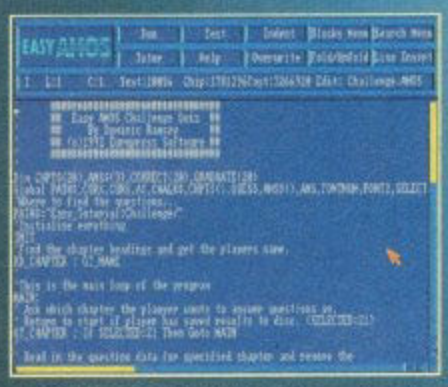
You got problems too? Then drop a line to Amiga Computing Advice Service, Europa House, Adlington Park, Macclesfield SK10 4NP and we'll move heaven and earth to help in these columns. But sorry, we cannot reply personally, so save those SAEs

On next month's CoverDisk

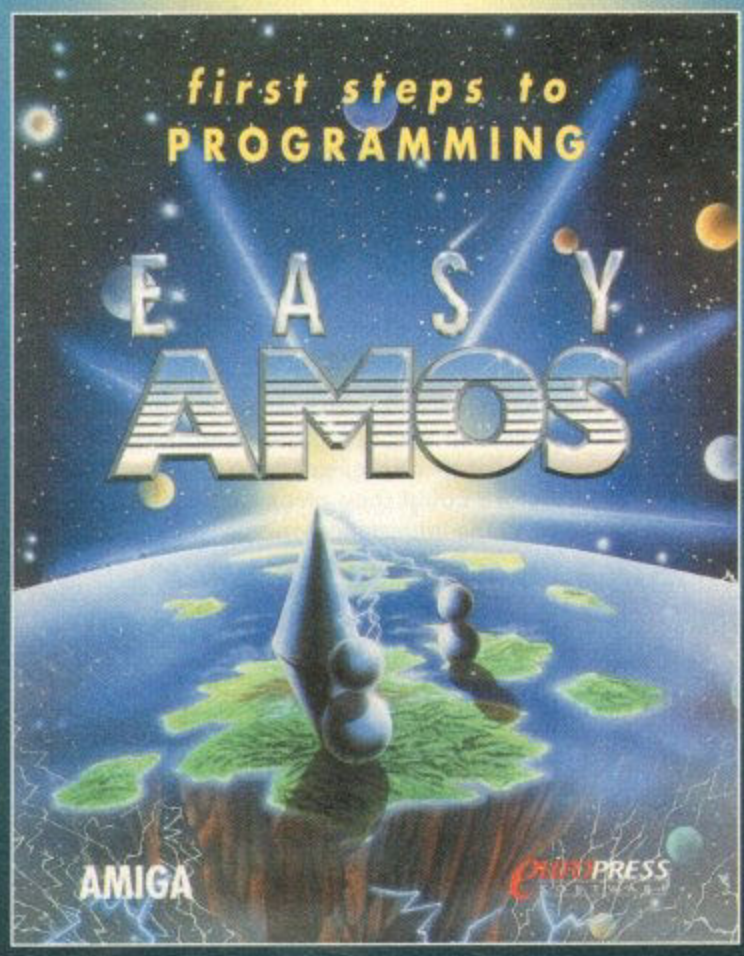
Easy AMOS – your key to creating your own software

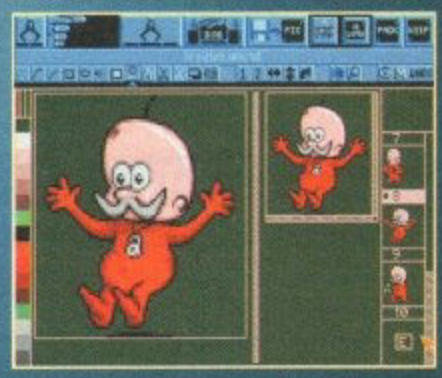
Amiga Computing is proud to announce that its Christmas issue will feature the complete, yes that's complete, number one Amiga programming package – Easy AMOS from Europress Software.





Easy AMOS features a unique interface and on-line help option





Creating sprites couldn't be simpler with the in-built Bob editor



There are a variety of pre-written programs which will help you gain an idea of program structure



You can create your own applications with ease. Just take a look at this directory manager

Amos has become the premiere Amiga Basic programming language and Easy AMOS has been especially developed with the beginner in mind.

Utilising Easy AMOS' superb command editor, you will learn to create stunning games and applications in no time at all which you can sell for profit.

Using the intuitive sprite editor you can design incredible graphics with ease which you can then incorporate into your creations. Everything is catered for; scrolling, rotation, scaling and much more! You want sound? You've got it. Easy AMOS features a fully integrated sample editor which you can use to add special effects to samples to create a multitude of different effects.

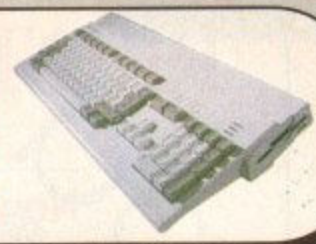
As if that wasn't enough, Easy AMOS features on-line help which you can call up at any time should you get stuck. On-disk tutorials also help to take you through the AMOS language – even providing a graduation test in which your knowledge of AMOS is tested as well as an impressive collection of pre-written games and applications including Break Out, a typing tutor and database.

AMOS is supported around the World and additional command extensions are becoming available all the time, making Easy AMOS the most complete, powerful and advanced programming language on the Amiga ever.

If you're keen to get the most from your Amiga, Easy AMOS is your passport to success. The only limitation is your imagination.

Amiga Computing Christmas special – available November 17th

AMIGA SUPPLIES



0442 233393 CALL 0442 233393 CALL 0442 233393 CALL 0442 233393

AMIGA 1200



Superb Xtra Value packs include on-site warranty, free software and mouse mat.

	Race & Chase	Innovations
No Hard Drive	£279	£324
85Mb Hard Drive	£422	£467
120Mb Hard Drive	£469	£514
250Mb Hard Drive	£489	£534
340Mb Hard Drive	£519	£564
540Mb Hard Drive	£599	£644

HARD DRIVES

All our Hard Drives are preformatted and partitioned, complete with cable, fitting instructions and setup software.

85Mb Hard Drive	£149
120Mb Hard Drive	£179
250Mb Hard Drive	£189
340Mb Hard Drive	£219
540Mb Hard Drive	£269

Fitting service includes UK wide door to door courier collection and delivery only £15

NEW *1 Gigabyte (1024Mb) Hard Drive only* **£599**

A1200 MEMORY

Viper 68030 Range

Full 030 with MMU running at 28Mhz/upto 50Mhz FPU/will accelerate your A1200 by over 400%, making it faster than the A4000/030 and some floating point operations are faster than even the A4000/040 can handle

Viper 0Mb/no FPU	£154
Viper 2Mb/no FPU	£234
Viper 4Mb/no FPU	£304
Viper 8Mb/no FPU	£469

Fast 68882 Co-Processors

20Mhz	£24
33Mhz	£59
40Mhz	£79
50Mhz	£119

MONITORS



Philips 8833 Mk.II	£224
Philips Mtr Scart	£189
Multi Sync High Res Microvitec 1438 with stereo sound	£284

MULTI-SYNC COLOUR 0.28 PITCH MONITORS
Professionally refurbished. With Stereo. Will display ALL Amiga graphics modes. **£194**

MODEMS



All our modems are complete with Amiga and PC communication software plus Computer and BT cable. 2 Year warranty

Faxlink 2400/9600 bps Fax	£79
Faxlink 14400/57600 bps Fax	£179

INTERNET THE COMPLETE REFERENCE
The most comprehensive guide available includes more than 750 resources plus 1 MONTHS FREE ACCESS to the INTERNET only **£23.95**

A1200 CD-ROM

CD 32/Kodak compatible. Plugs into PCMCIA port. Dual Speed. Reads CD32, PC(ISO9660), Audio and Mac (HFS) CDs



COMPACT disc DIGITAL AUDIO

ONLY £189

FLOPPY DRIVES

A500/A1200 High Quality External Drive	£54
A500 Internal replacement Floppy Drive	£44
A1200 Internal replacement Floppy Drive	£49

SIMM MEMORY

1Mb Simm A4000	£38
2Mb Simm A4000	£96
4Mb Simm A4000	£129
8Mb Simm A4000	£259

1Mb by 8/9 Simm **ONLY £34**

A500 MEMORY

A500 0.5 Meg	£12	A500 1.5 Meg	£79
A500 0.5 Meg + Clock	£14	A500plus 1 Meg	£29

SPECIAL OFFER A500 2Mb Chip Memory only £124

POWER PACKS

More powerful than the original

A500	£39	CD32	£42
A1200	£39	A590	£42
A600	£39	GVP	£42

SCANNERS



1Mb by 8/9 Simm	
Power Scanner V4	£116
Power Scanner V4 + OCR	£136
Power Colour V4	£236
Flat bed Scanners	£POA

A600 MEMORY

A600 1 Megabyte Trapdoor upgrade	£34
A600 1 Megabyte Trapdoor + clock	£39
PCMCIA slot 2 meg upgrade	£108
PCMCIA slot 4 meg upgrade	£158

SPARES



Hi Resolution Denise 8373	£18
8372 Fat Agnus	£39
Gary Chip DIL	£17
Paula Chip DIL	£19
A500 Modulator	£35
RF TV Lead	£4
Mouse	£14
A1200/4000/600 chips	£call
Keyboard replacements & parts	£call

Full Range of leads also available

WORKBENCH & ROM SWAPPERS

2.04 KickStart Chip	£19
1.3 KickStart Chip	£19
Automatic KickStart Switcher	£18
2.04 KickStart + Automatic Switcher	£35
1.3 KickStart + Automatic Switcher	£35
WorkBench Manuals + Discs	£49
Complete Kit includes 2.04 KickStart + Workbench Manuals and Discs	£65

CONSUMABLES

Total Branded DD Discs (10 off)	£6
Quality unbranded DD Discs (50 off)	£15
Disc Box 50 capacity	£4
Disc Box 100 capacity	£6
Disc Box 200 capacity	£12
Mouse Mat	£3
Printer Paper (500 cut sheets, laser quality)	£5
Printer Paper (2000 sheets, tractor feed)	£18
Dust covers A600/500/1200/monitors	£6



REPAIRS

A500	fixed price £39.95*	Printers (all makes)	from £15.00
A1200/600	from £15.00	PCs (all makes)	from £25.00
A2000/1500/3000	from £15.00	SEGA/Nintendo	from £10.00
Monitors (all makes)	from £15.00	Atari ST/E/MEGA	fixed price £44.95*



REPAIRS

A total service from TOTAL COMPUTERS

1) Courier collection UK wide available at only £7.50
2) All repairs guaranteed for 90 days
3) Fully trained technicians
4) Professional internal/external valet only £9.00
5) Courier return delivery only £5.00
6) Professional maintenance contracts available

Call now on 0442 233393

* We reserve the right to reject repairs. Full charge applies/Fixed price repairs exclude complete drive/keyboard replacements



0442 233393

All Prices include VAT
Educational Discounts available
Cheques should carry guarantee number on reverse
No Charge for Normal Delivery

TOTAL COMPUTER SUPPLIES LTD.
123 MARLOWS
HEMEL HEMPSTEAD
HERTFORDSHIRE HP1 1BB

All trade marks acknowledged. Allow 28 days. 1 year warranty. E&OE

PROTEXT 6.5 at new Low Price £74.95

Professional Word Processing for your Amiga

Now with Auto-Correct and Preview

Auto-Correct
* Learn from your typing errors and next time correct them automatically
* Abbreviations expanded as you type * Capitalises sentences and proper nouns

Preview
* Shows a full page just as it will appear * Works in any screen mode
* Shows different size fonts, bold, italic, underline, sub/superscript and graphics

Features
* Unrivalled printer support including PostScript (over 400 printers listed)
* Fast spelling checker and thesaurus * Graphics import and viewer
* Flexible find and replace function works across multiple files * Hyphenation
* Styles with scalable font and colour support (printer permitting)
* Index/contents * Footnotes * Indent tabs * File sort/conversion * Add column
* Multi-column printing * Up to 36 documents open * Programmable mail merge
* Workbench New Look throughout, Public screen support, ARexx

Value
* Last year Protext cost £152.75. Today, though it is better than ever, it can be yours for just **£74.95.** Prices include two months' free technical support.

"Unbeatable for speed and text editing options"
AMIGA SHOPPER, July 1994
"An excellent tool ... fast and easy to use"
AMIGA FORMAT, March 1994

Protext 6.5 £74.95

For any Amiga with at least 1Mb and Kickstart 2.04 or later. (Also Atari, PC)

Do you have an earlier version of Protext to upgrade? Perhaps you originally tried a cover disk and now have version 4.3. You can take advantage now of the lowest ever upgrade prices. For these prices you get the full program and benefits as described above. Call 01733 68909.

Protext 6.5 Upgrades: From 6.1 **£29.95** 5.5 or 5.0 **£39.95** 4.3 or earlier **£49.95**

Exfile, the Magazine for Protext users

Exfile is now the essential read for all Protext owners. Relaunched and being edited by Arnor, Exfile includes:

* Authorative articles by the programmers of Protext
* Contributions by knowledgeable Protext enthusiasts
* Readers' technical queries answered
* Protext discussion forum
* Hints and tips about using Protext
* Programs and macros
* Ideas to help you make the most of your printer

6 issue subscription costs only **£16**

Back issues **£3** each.

"The Protext Companion"

New Protext tutorial book by Alan Bradley (Sigma Press) **£15.95**

ARNOR

Arnor Ltd (AC), 611 Lincoln Road, Peterborough, PE1 3HA. Tel: 01733 68909. Fax: 01733 67299

All prices include VAT, postage within U.K. (Europe add £5, elsewhere add £10). Access/Visa accepted. Cheques payable to Arnor Ltd.

RAGE

CLAREMONT INNOVATIONS LTD

16 CLAREMONT CRESCENT RUMNEY CARDIFF CF3 8LS 0222 360061

Its time to Blitz!



After introducing you to all the basics in the previous tutorials, Michael Milne now takes you into the first program

Windows, Menus and Gadgets should all be nicely tucked under your belt by now, so I think it is time to put together a program. And, in response to popular demand, our first program will be a standard database program.

To start off with lets set out some basic rules for our program (i.e. what do we need!).

For this example we want our program to hold a name, address and postcode for each record. We know that we will need some way of storing this info, so I choose to use an array as they are very easy to use. I will also need a couple of variables to hold the current record number ('current_record.w') and the current number of records entered ('number_of_records.w'). Now we can get on with it.

Firstly we start with the workbench:

```
WBStartUp
WbToScreen 0
WBenchToFront_
Use Screen 0
```

then a constant to define the maximum amount of records:

```
#max=200
```

an array to hold our records:

```
Dim records$(#max,5)
```

and 2 vars for our record handling:

```
current_record.w=0
number_of_records.w=0
```

Now we define our gadgets (don't forget these are Gadtools and aren't A500 compatible – use string gadgets and text gadgets instead):

```
GTString 1,1,80,5,248,12,"NAME",1,30
GTString 1,2,80,19,248,12,"ADDRESS",1,30
GTString 1,3,80,34,248,12,"",1,30
GTString 1,4,80,50,248,12,"",1,30
GTString 1,5,80,66,248,12,"",1,30
GTString 1,6,80,81,80,12,"POSTCODE",1,9
GTButton 1,7,340,5,64,12,"<ADD>",16
GTButton 1,9,340,19,72,12,"<NEXT>",16
GTButton 1,10,340,34,104,12,"<PREVIOUS>",16
```

This next part has an interesting aspect. To get the min/max windowsizing gadget, which is next to the windowdepth gadget, to appear, all you have to do is have the windowdepth and windowsize window flags on an Amiga 1200 and the gadget will magically appear. And on top of this, you can control the default sizes by use of the SizeLimits command:

```
SizeLimits 350,15,530,114
Window 0,46,44,530,114,$1000|8|4|1,"Blitz
Base",1,2,1
```

Then you can attach the GTList (A1200 only):

```
AttachGTList 1,0
```

And now for the main loop:

```
Repeat
```

Has the user closed the window (if not then clear the event queue):

```
If WaitEvent=$200 Then nd.b=1
```

If Else FlushEvents was one of our gadgets hit:

```
Select GadgetHitADD
```

(As long as we haven't reached our maximum):

```
Case 7
If current_record
  1 Then Gosub _previous Else BeepScreen 0
End Select
Until nd=1THE END:
End
```

ADD:

```
._add:
```

Add to our maximum record:

```
number_of_records+1
```

New record will be the latest one:

FlushEvents and Gadgets

There are a few things that you might want to know about theFlushEvents command and its interaction with GadTools. First of all, the FlushEvents command clears the value passed by GadgetHit which determines which gadget the user pressed.

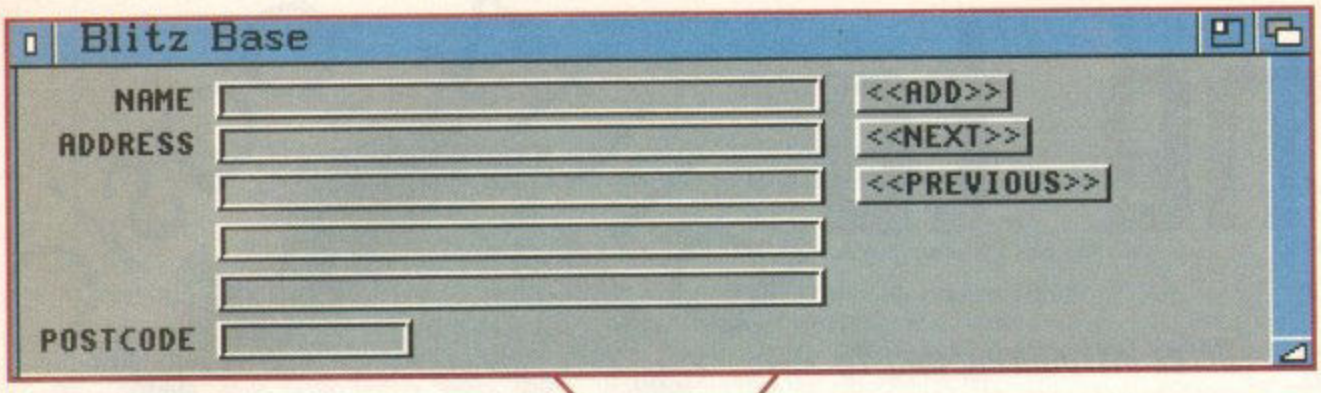
Normally this wouldn't make a blind bit of difference to gadgets, but when it comes to GadTools there is a slight rule which for one reason or another must be obeyed: When a GadTool is pressed it cannot be detected by Event=$20 (GadgetPressed).

What's more the GadgetHit will always return the last GadTool hit until FlushEvents is executed (i.e. every time around a loop, which can cause unnecessary repeating of commands).

Therefore you should always use FlushEvents to clear the GadgetHit command to make sure that only a new GadgetHit is returned and not the one from last time. You must also remember that FlushEvents also clears several other things including Inkey$, which is why in the line which reads:

```
If WaitEvent=$200 Then nd=1 Else key_press$=Inkey$ : FlushEvents
```

I read off the value from Inkey$ before I use FlushEvents to make sure I don't loose any user input through the keyboard.




```
current_record=number_of_records
```

Clear gadgets contents:

```
Gosub clear_gads
```

Get new contents by activating each gadget:

```
ActivateString 0,1
Gosub wait_gad
ActivateString 0,2
Gosub wait_gad
ActivateString 0,3
Gosub wait_gad
ActivateString 0,4
Gosub wait_gad
ActivateString 0,5
Gosub wait_gad
ActivateString 0,6
Gosub wait_gad
```

After all gadgets have been filled we store the info in our array:

```
For temp.b=1 To 6
subs$(current_record,temp-1)=GTGetString(1,temp)
Next
Return
```

NEXT (add number by 1 and display info):

```
._next:
current_record+1
Gosub draw_gads
Return
```

PREVIOUS (as above except number minus 1):

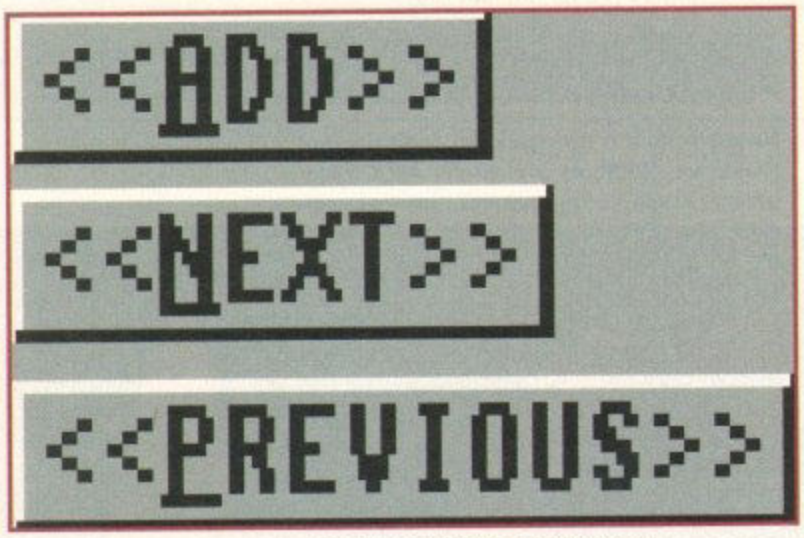
```
._previous:
current_record-1
Gosub draw_gads
Return
```

Here is what our program should look like after typing in the first set of code! Notice the extra window gadget next to the windowdepth gadget.

This sub-routine waits until the user has finished with the current gadget (ie Gadget released=$40):

```
.wait_gad:
While Event>",16
GTButton 1,9,340,34,72,12,"<_NEXT>",16
GTButton 1,10,340,50,104,12,"<_PREVIOUS>",16
```

Then compile and run the program again:



See how the '_' character works!!

An update to current events

If you are one of those people who are still trying to contact the old London number then I suggest you stop as Benoit Varasse no longer deals with Blitz. All your subscriptions for updates are now handled by Guildhall Leisure Services who can be contacted on 0302 890000 or write to: Blitz User Magazine Subscription, Guildhall Leisure Services, Unit 15 Guildhall Industrial Estate, Kirksandall, Doncaster DN3 1QR

notice anything different? Now lets put a little bit of code in the main loop to handle the reading of the keyboard.

After the line that reads 'Repeat', enter in the following code, replacing only the 'WaitEvent' line with the new one:

```
If WaitEvent=$200 Then nd=1 Else
key_press$=Inkey$ : FlushEvents
Select key_press$
Case "a"
If current_record           1 Then Gosub
_previous Else BeepScreen 0
End Select
```

Now compile and run the program and try pressing the keys underlined in the gadgets. Quite easy to do isn't it.

A helping hand!

If you have any questions that you need addressing from reading this column then you can write to me, Michael Milne, at: Blitzing on the Amiga, c/o 39 The Drive, Earley, Reading, Berkshire RG6 1EG.
(NB: Please state what machine you are using and any peripherals you have!)

Arrays - inside & out

Arrays are a very old data storage method associated with the very first forms of Basic. Just like all the rest, Blitz is no different in how they are used. The first step to using arrays is to define them with the 'Dim'statement.

'Dim' stands for dimension because an array is with dimensions (i.e. a(0)=dimension 0 of a; a(1)=dimension 1 of a). In this way, arrays are very good for file handling as they store information in a logical, systematic way which allows access to any record at any time just by giving the dimension number.

But there is more at hand! You can also have a multi-dimensional array where each dimension has a set of its own dimensions. For example, 'Dim a(10,2)' would create an array which has 10 dimensions, and each of those dimensions has two of its own dimensions.

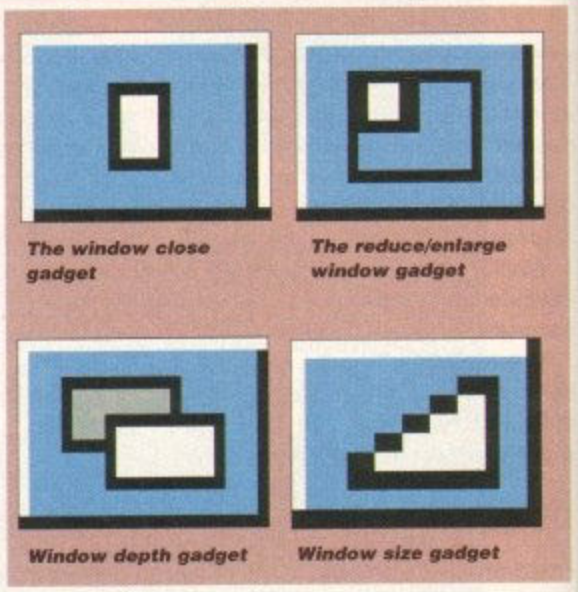
This array could easily represent an array of X,Y coordinates where each dimension from one to 10 has an X and a Y stored in its own two dimensions. So to get the X,Y of dimension five you would do the following:

```
X=a(5,1)
Y=a(5,2)
```

and similarly you would do the following for dimension eight:

```
X=a(8,1)
Y=a(8,2)
```

There is one thing to remember when dimensioning arrays, and that is the type of array that you want to create. In a standard array (without Newtypes) you can only have one form of data, for example Dim a(5,5) = would dim an array of numbers and Dim a$(5,5) = would dim an array of strings (text) – they cannot be mixed in a normal array



A quick review of some important window gadgets!

Amiga Frame Grabbing has just taken a Fall... in Price but definitely not in quality!



Grab images with your Camcorder

The revolutionary new ProGrab™ 24RT is a 24-bit real time colour frame grabber and digitiser - costing less than any of its rivals! Whilst ProGrab™ has slashed the price of frame grabbing on the Amiga, it has been bestowed the Amiga Format Gold Award for its ease of use and excellent quality results!

Take a signal from a TV with SCART output



Use a satellite receiver as your output device

Grab TV pictures or video frames from your VCR's video output.

With ProGrab™ you needn't be an expert in Amiga Video technology either. Simple 3 stage operation ensures you get the right result - real time, after time...

STAGE 1...

Select any video source with composite output. This could be a camcorder, TV with SCART output, satellite receiver, domestic VCR/player or standard TV signal passing through your VCR/player... the choice is yours.

STAGE 2...

Using ProGrab's software, select the image you wish to capture in its on screen preview window (because the hardware grabs a frame in real time, there is no need for a still frame facility on the source device) and, ProGrab even includes a Teletext viewing/capturing facility from suitable inputs. Once grabbed, simply download the image to your Amiga for full screen viewing.



ProGrab is supplied with everything you'll need...

- **ProGrab 24RT Digitiser** (with Power & Input Signal LED's)
- **ProGrab 24RT Software**
- **Parallel Connecting Cable**
- **Mains Power Supply Unit**

ProGrab supports all recent Amiga and is also fully AGA chipset compatible. You can even work in the new graphics modes up to 1472 x 512 pixels in HAM 8, Amiga RAM permitting. Images are digitised in 24bit, 16.7 million colours. ProGrab supports... IFF, ILBM, 3LBM24, Clipboard, JPEG, ProGrab File or Anim5 file output formats. ProGrab's software has built in mono and colour animation facilities. The number of frames is dependant upon your Amiga's RAM. For professional users the optional ProGrab PCMCIA Interface Connector is available for Maximum Data Throughput/Preview Refresh Rates.

STAGE 3...

Use the saved image in your favourite Amiga Word Processing, Desk Top Publishing or Graphics software packages.

ProGrab **really** makes it that simple!

ProGrab has recently been awarded Amiga Format Gold



Now you can frame grab on your Amiga for just...

£129.95

with ProGrab 24RT...

ProGrab supports any Amiga with Kickstart 2.04 or later and 1.5Mb minimum free RAM

Pro-GRAB 24RT

To get **your** hands on Prograb, call our sales line on

01-773-836781

or... Ask us for a list of stockists in your area. For further product details please request an information pack & image samples disk.

GORDON HARWOOD COMPUTERS
Dept.ACO, New Street, Alfreton, Derbyshire. DE55 7BP

"UNDER NEW MANAGEMENT"

VISA IS NOT CHARGED UNTIL DAY OF DESPATCH

DIRECT SOFTWARE LTD

REGULAR FREE GIVEAWAYS WHEN YOU BUY FROM DIRECT

AMCO12/SC, UNIT 3, CROSS KEYS SHOPPING MALL, ST NEOTS, CAMBRIDGESHIRE, PE19 2AU.

TELEPHONE ORDER LINE: 0908 379550 FAX: 0908 277142

AMIGA TITLES

AJ20 APPROACH TRAINER	£16.99	DREAM WEB	£19.99
ADDICTION	£19.99	DREAMLANDS	£18.99
ALADDIN	£19.99	DUNE 2	£19.99
ALFRED CHICKEN (A1200)	£9.99	ELFMANIA	£16.99
ALIEN 3	£16.99	EMPIRE SOCCER	£16.99
ALIEN BREED SPECIAL EDITION	£9.99	EUROPEAN CHAMPIONS (1200)	£16.99
ALIEN BREED-TOWER BREED	£17.99	EXCELLENT GAMES COMPILATION	£22.99
APIDYA	£9.99	F1	£16.99
APOCALYPSE	£15.99	F117A KNIGHT HAWK	£22.99
ARMOUR GEDDON 2	£15.99	FANTASTIC DIZZY	£16.99
ATR	£16.99	FANTASY EMPIRES	£22.99
A-TRAIN & CON SET	£10.99	FATAL STROKES	£19.99
AWARD WARRIORS GOLD	£19.99	FATMAN	£17.99
BANSHEE (A1200)	£16.99	FIELDS OF GLORY	£19.99
BENEFACTOR	£19.99	FIFA INT. SOCCER	£19.99
BIG SEA	£18.99	FIRE + ICE	£16.99
BLADE OF DESTINY	£25.99	FORMULA ONE CHAMPIONS	£19.99
BOB'S BAD DAY	£16.99	FORMULA ONE TEAM MANAGER	£19.99
BODY BLOWS (A1200)	£9.99	GENESIA	£19.99
BREACH 3	£22.99	GLOBAL DOMINATION	£22.99
BRIAN THE LION	£15.99	GOAL	£13.99
BUBBA 'N' STIX	£16.99	GULP	£19.99
BURNTIME	£22.99	GUNSHIP (XL)	£8.99
CAMPAIGN 2	£22.99	HANNA BARBERA ANIM	£29.99
CANNON FODDER 2	TBA	HANNIBAL	£18.99
CAPTIVE 2	£19.99	HARD DRIVIN (TOP GEAR 2)	£16.99
CARTOON RACER	£16.99	HERO QUEST 2 LEGACY	£16.99
CHAMP MNGR END OF SEASON	£12.99	IMPOSSIBLE MISSION A1200	£22.99
CHUCK ROCK 2	£9.99	IMPOSSIBLE MISSION A600	£22.99
CIVILISATION (1 MEG)	£22.99	INDIANAPOLIS 500	£8.99
CIVILISATION (1200)	£18.99	INNOCENT	£22.99
CLUB FOOTBALL	£19.99	INT. EDITION SENSIBLE SOCCER	£19.99
CREEPERS	£19.99	ISHAR 3	£21.99
CYBER PUNKS	£16.99	JACK THE RIPPER	£27.99
CYBERSPACE	£22.99	JET STRIKE	£15.99
D DAY	£22.99	K240	£17.99
DARKMERE	£17.99	KICK OFF 3 (1200)	£19.99
DEMONIAC	£16.99	KICK OFF 3	£16.99
DESERT STRIKE	£19.99	KID CHAOS	£16.99
DETROIT	£22.99	KINGDOM OF GERMANY	£19.99
DINOWORLDS	£19.99	KINGDOM	£22.99
DISPOSABLE HERO	£16.99	KINGMAKER	£22.99
DONK	£16.99	KINGS QUEST 6	£22.99
DRACULA	£19.99	KINGS QUEST 6 1200	£22.99
DRAGON STONE	£19.99	KIT VICIOUS	£16.99

DIRECTS BEST SELLERS

A-TRAIN & CON SET	£10.99	JOHN MADDEN FOOTBALL	£9.99
ALIEN BREED 2	£16.99	JURASSIC PARK	£16.99
ALIEN BREED 2 (1200)	£18.99	JURASSIC PARK (1200)	£18.99
ALIEN 3	£16.99	KICK OFF 3	£16.99
ARCADE POOL	£6.99	MICRO MACHINES	£16.99
AWARD WINNERS 2	£19.99	MORTAL KOMBAT	£19.99
BENEATH STEEL SKY	£19.99	MONKEY ISLAND 2	£22.99
BRUTAL SPORTS FOOTBALL	£9.99	PINBALL FANTASIES (1200)	£19.99
CANNON FODDER	£18.99	PREMIER MANAGER 2	£9.99
CHAMP MANAGER '93	£16.99	RYDER CUP (1200)	£16.99
CHAMP MANAGER ITALIA	£16.99	SENSIBLE SOCCER 92/93	£13.99
CHAOS ENGINE (1200)	£16.99	SKID MARKS	£16.99
COMBAT CLASSICS 2	£19.99	SIM CITY DELUXE	£19.99
DUNE 2	£19.99	SIMPSONS VS WORLD	£16.99
EUROPEAN CHAMPIONS	£16.99	SOCCER KID (1200)	£12.99
FLASHBACK	£17.99	STREET FIGHTER 2	£9.99
FRONTIER (ELITE 2)	£18.99	THE SETTLERS	£19.99
GRAHAM GOOCH WORLD CRICKET	£19.99	URIDIUM 2	£16.99
GRAHAM GOOCH 2ND INNINGS	£11.99	WINTER OLYMPICS	£20.99
GUNSHIP 2000	£22.99	ZOOL	£9.99
HIRED GUNS	£22.99	ZOOL 2	£9.99

BLANK DISKS
20-£9 50-£16
100-£30 250-£70
PRICES ARE FOR UK MAINLAND ONLY (PRICES INCLUDE P&P)

FRONTIER (ELITE 2) £19.99

MORTAL KOMBAT £19.99

CANNON FODDER £18.99

T.F.X. 1200 £22.99

BENEATH STEEL SKY £19.99

DIRECT SPECIAL BARGAINS

A500/A600 CHAOS ENGINE	£9.99	NIGEL MANSELL GRAND PRIX	£9.99
A500/A600 SYNDICATE	£9.99	PINBALL FANTASIES	£9.99
BLUES BROTHERS	£7.99	PREMIER MANAGER	£7.99
CANNON FODDER/MORTAL KOMBAT/ TERMINATOR 2	£22.99	PREMIER MANAGER 2	£9.99
CURSE OF ENCHANTER	£9.99	QUADREL	£4.99
DISC	£4.99	SILENT SERVICE 2 (1 MEG)	£12.49
FEDERATION OF FREE TRADERS	£5.99	SOCCER KID	£9.99
JIMMY WHITES (BUNDLE)	£7.99	TITUS THE FOX	£7.99
LEGENDS OF VALOUR	£9.99	WARRIORS OF REYLENE	£7.99
LEMMINGS 2	£12.99	WING COMMANDER	£9.99
MANIX	£4.99	WWF WRESTLING 2	£8.99
NICK FALDO GOLF	£9.99	ZOOL	£7.99
		ZOOL 2	£9.99

AMIGA TITLES

LAMBOURGHINI	£16.99	SIM CITY 2000	£22.99
LEGACY OF SORASIL	£16.99	SIM CITY/LEMMINGS	£19.99
LION KING	TBA	SIM CLASSICS (2 IN 1 PACK)	£22.99
LORDS OF POWER	£22.99	SIM EARTH	£8.99
LOTUS TRILOGY	£11.99	SIM LIFE	£8.99
MAELSTROM	£22.99	SIMON THE SORCERER 1200	£24.99
MAGICIANS CASTLE	£19.99	SIMON THE SORCERER	£21.49
MAN. UTD PREMIER CHAMPIONS	£18.99	SKELETON KREW	£19.99
MARIO IS MISSING	£19.99	SORCERER (1200)	£25.99
MICROPROSE GRAND PRIX	£28.99	SPACE ADVENTURE	£22.99
MIGHTY MAX (1200)	£16.99	SPACE HULK	£22.99
MONOPOLY	£18.49	STAR TREK 25TH ANNIV (HD)	£22.99
MR. NUTZ (1200)	£17.99	STRIKE SQUAD	£22.99
MR. NUTZ (600)	£16.99	S.U.B.	£19.99
NOBBY THE ADVARK	£16.99	SUPER LEAGUE MANAGER	£16.99
ON THE BALL	£19.99	SUPREMACY	£9.99
ONE STEP BEYOND	£12.99	TACTICAL MANAGER (ENGLAND)	£19.99
OSCAR (1200)	£16.99	TACTICAL MANAGER (ITALY)	£19.99
OSCAR	£16.99	TACTICAL MANAGER (SCOTLAND)	£19.99
OUT TO LUNCH	£16.99	TENSIA	£16.99
OVERDRIVE	£16.99	TERMINATOR 2	£18.99
OVERKILL	£12.99	TFX (1200)	£22.99
OVERLORD	£22.99	THEME PARK	£22.99
PGA TOUR GOLF + COURSES	£18.99	THEME PARK (A1200)	£22.99
PINBALL DOUBLE PACK	£21.99	TOTAL CARNAGE	£18.99
PINBALL DREAMS	£12.49	TOWER ASSAULT	£12.99
PINKIE	£16.99	TRACKSUIT MANAGER 94	£15.99
POPULOUS/SIM CITY	£16.99	TRAPS AND TREASURES	£19.99
POWER HITS	£19.99	TWILIGHT 2000 (1200)	£20.99
PREHISTORIK 2	£16.99	TWILIGHT 2000	£20.99
PRIME MOVER	£14.99	UFO	£19.99
PUGGSY	£19.99	UFO (1200)	£19.99
REALM OF DARKNESS	£16.99	UFO	£28.99
REALMS	£9.99	ULTIMATE PINBALL	£19.99
RINGS OF MEDUSA	£19.99	WALKER	£18.99
RISE OF THE ROBOTS (A1200)	£25.99	WAR IN THE GULF	£20.99
RISE OF THE ROBOTS	£27.99	WEMBLEY INT. SOCCER (1200)	£16.99
ROBINSONS REQUIEM	£21.99	WEMBLEY RUGBY LEAGUE	£16.99
RUGBY LEAGUE COACH	£16.99	WHEN 2 WORLDS WAR	£19.99
RYDER CUP (1200)	£16.99	WILD CUP SOCCER	£16.99
SEEK & DESTROY	£14.99	WIZ & LIZ	£16.99
SENSIBLE GOLF	TBA	WORLD CUP USA 94	£17.99
SENSIBLE SOCCER	£16.99	ZOOL 2 (A1200)	£8.99
SIERRA SOCCER	£16.99		
SIM ANT	£8.99		

*FREE*FREE* WHEN YOU SPEND £30 OR MORE ON AMIGA GAMES YOU RECEIVE A FREE GAME *FREE*FREE*

UTILITIES

AMOS COMPILER (REQUIRES AMOS)	£19.99	MINI OFFICE (WORD PROCCESSOR, SPREADSHEET, DATABASE+ DISK UTILITIES)	£36.99
AMOS EASY	£22.99	MAXIPLAN 4	£19.99
AMOS PROFESSIONAL	£31.99	THE PUBLISHER	£19.99
AMOS PROFESSIONAL COMPILER	£24.99	MOUSE MAT	£2.99
DELUXE PAINT 4 (1 MEG)	£55.49	EXTERNAL DISK DRIVE	£49.99
DELUXE PAINT 4 (AGA)	£60.49	100 LOCKABLE DISK BOX	£7.99
DISK BOX 100 CAP	£7.99		
KINDWORDS 3 (WORD PROCCESSOR)	£19.99		

CD32 TITLES

AKIRA	£19.99	DEEP CORE	£14.99	JAMES POND 3	£18.99	MORPH	£19.99
ALFRED CHICKEN	£17.99	DENNIS	£13.99	JOHN BARNES	£10.99	NAUGHTY ONES	£19.99
ALIEN BREED 2	£18.99	DIZZY COLLECTION	£16.99	JURASSIC PARK	£19.99	NICK FALDO	£21.99
ARABIAN KNIGHTS	£10.99	DONK	£19.99	K240	£19.99	NIGEL MANSELL	£14.99
ARCADE POOL	£9.99	ELITE 2	£18.99	KICK OFF 3	£21.99	NO SECOND PRIZE	£13.99
ATR	£19.99	FLIMBO'S QUEST	£9.99	KID CHAOS	£16.99	PINBALL FANTASIES	£19.99
BANSHEE	£19.99	GENESIA	£19.99	LABYRINTH	£16.99	PINKIE	£19.99
BATTLE CHESS	£19.99	GLOBAL EFFECT	£19.99	LEGACY OF SORASIL	£17.99	PLANET FOOTBALL	£22.99
BENEATH A STEEL SKY	£19.99	GULP	£19.99	LEMMINGS	£16.99	PSYCHO KILLER	£19.99
BUBBA N STIX	£17.99	GUNSHIP 2000	£19.99	LIBERATION	£19.99	RISE OF THE ROBOTS	TBA
BUBBLE & SQUEAK	£19.99	HEIMDALL 2	£20.99	LION HEART	£13.99	ROBOCOD	£13.99
CANNON FODDER	£19.99	IMPOSSIBLE MISSION	£19.99	UTIL DIVIL	£18.99	RYDERCUP	£19.99
CASTLES 2	£19.99	INFERNO	£19.99	LIVERPOOL FOOTBALL	£19.99	SECOND SAMURI	£24.99
CHAMBERS OF SHAOLIN	£17.99	INT. EDITION SOCCER	£16.99	LOTUS TRILOGY	£17.99	SEEK AND DESTROY	£16.99
CHAOS ENGINE	£17.99	INTERNATIONAL KARATE PLUS	£9.99	MAN UTD PREM CHAMPS	£19.99	SENSIBLE SOCCER	£16.99
CHUCK ROCK	£10.99	INTERNATIONAL SOCCER	£19.99	MEGARACE	£22.99	SIMON THE SORCERER	£25.99
DANGEROUS STREETS	£17.99	JAMBALA	£17.99	MICROCOSM	£29.99	SLEEPWALKER	£19.99
DARKSEED	£19.99			MICRO FRENCH	£22.99	SOCCER KID	£19.99
						SUMMER OLYMPIX	£12.99
						SUPERFROG	£9.99
						SUPER STARDUST	£19.99
						SURF NINJAS	£19.99
						T.F.X.	£25.99
						TOTAL CARNAGE	£19.99
						TOWER ASSAULT	£19.99
						TRIVIAL PURSUIT	£19.99
						UFO	£19.99
						ULTIMATE BODY BLOWS	£19.99
						UNIVERSE	£22.99
						URIDIUM 2	£17.99
						WEMBLEY INT. SOCCER	£19.99
						WHALES VOYAGE	£19.99
						WILD CUP SOCCER	£19.99
						ZOOL	£12.99
						ZOOL 2	£17.99

EDUCATIONAL

ADI ENGLISH (11-12)	£16.99	FUNSCHOOL 4 (5-7)	£16.49
ADI FRENCH (12-13)	£16.99	FUN SCHOOL OVER 7	£16.49
ADI FRENCH (13-14)	£16.99	MERLIN MATHS (7-11)	£16.99
ADI JUNIOR COUNTING (6-7)	£13.49	MEGA MATHS A LEVEL	£17.49
ADI JUNIOR READING (4-5)	£13.49	MICRO ENGLISH	£16.99
ADI JUNIOR READING (6-7)	£13.49	MICRO FRENCH	£16.99
ADI MATHS (11-12)	£16.99	MICRO GERMAN	£16.99
ADI MATHS (12-13)	£16.99	MICRO MATHS	£16.99
ADI MATHS (13-14)	£16.99	MICRO SCIENCE	£16.99
FUNSCHOOL 3 (2-5)	£14.49	MICRO SPANISH	£16.99
FUNSCHOOL 3 (5-7)	£14.49	NODDY'S BIG ADVENTURE	£16.99
FUNSCHOOL 4 (7+)	£14.49	PAINT + CREATE (UNDER 5'S)	£16.99
FUNSCHOOL 4 (2-5)	£16.49	SPELLING FAIR (7-13)	£16.99

WE WILL MATCH PRICES!! NEVER BEEN BEATEN!! TRY US!!

Please charge my Access/Visa No: ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

Expiry Date: ☐☐ / ☐☐

ORDER FORM
Please write in CAPITAL letters
Please supply me with the following for:

Computer:.....

Titles	Price
POST & PACKING	
TOTAL	

DATE: .....
NAME: .....
ADDRESS: .....
.....
.....
POST CODE: .....
TEL: .....

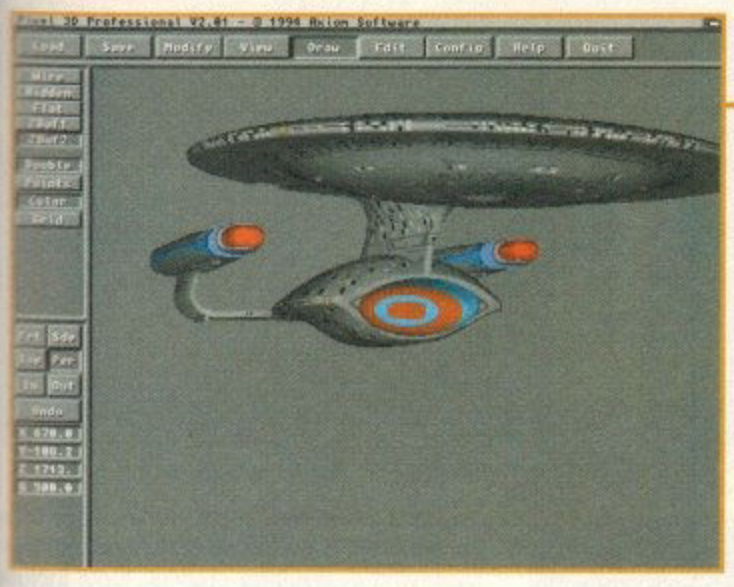
AMIGA COMPUTING DECEMBER '94

Please make cheques & PO's payable to:

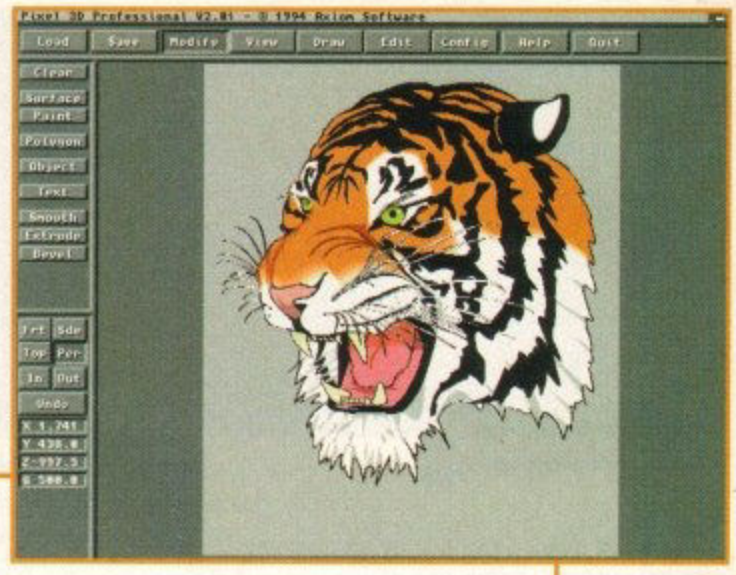
DIRECT SOFTWARE LTD, AMCO12/SC, UNIT 3, CROSS KEYS SHOPPING MALL, ST. NEOTS, CAMBRIDGESHIRE. PE19 2AU.

POST AND PACKING
UK MAINLAND = FREE
EEC = £2.00 PER ITEM
NON EEC = £4.50 PER ITEM
"FOR CUSTOMERS PEACE OF MIND ALL PARCELS ARE SENT OUT RECORDED DELIVERY"

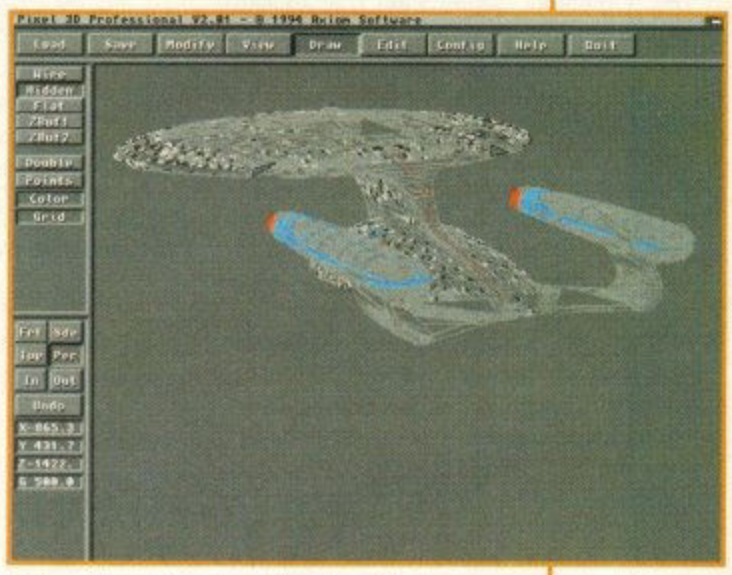
ALL TERMS SUBJECT TO AVAILABILITY. ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE, E.& O.E. PLEASE ALLOW FOR CHEQUE CLEARANCE. SOME GAMES MAY NOT BE RELEASED AT TIME OF GOING TO PRESS.



ZBuff2-rendered Imagine Enterprise object



An Encapsulated PostScript file loaded into PixPro



Polygon view of Imagine Enterprise object

Master of the trade

Got a new logo you want to promote? Use Pixel 3D Professional and you'll create a stunning 3D version. Denny Atkins checks it out

Gamping without a Swiss Army Knife is possible, but doing some basic tasks without one can be more trouble than fun. Axiom's Pixel 3D Professional Version 2 is the Swiss Army Knife of 3D programs – you can do 3D without it, but once you've had the tool in hand you won't want to.

Pixel 3D Professional Version 2 (PixPro) is an incredibly flexible utility for creating, converting, and modifying 3D objects and logos. It will load objects in all popular Amiga and PC object formats, opening the door to using thousands of PD and commercial objects in your 3D projects.

You can also load PostScript fonts and EPS files, extruding and shaping them into 3D objects, which can save hours of creation time when working on logo projects.

PixPro even auto-traces bitmapped images and fonts, opening the doors to even more ways to cut down creation time – if you've got to create a 3D object, you can start with an image-processed scan of that object and bring it out into three dimensions.

If you've used earlier versions of PixPro, you'll find plenty in Version 2 to make the upgrade worthwhile. Full AGA graphics support, much better handling of AutoCAD DXF files, real-time 3D painting, PostScript support, an easy-to-use object hierarchy support, support for loading multiple objects, beautiful Z-buffer preview rendering, and a much-improved LightWave-like 3D stage for object manipulation – Interface

ADVANTAGE

PixPro starts up on a high-res screen – interlaced on ECS Amigas – and takes advantage of the extended 24-bit palette on AGA machines. There's no way to select a particular screenmode directly, but the program will sense your Workbench screen's settings and open on an accordingly larger screen if, say, you normally work in Super72 mode. The interface is a bit odd by Amiga standards – there are no pull-down menus, only an array of gadgets across the top and left sides of the screen. Some operations will bring up requesters with pop-up menus. The interface won't seem that strange to LightWave 3D users, and is easy to learn even if you're completely new to it.

Another LightWave connection comes with the new LightWave-like single viewing window. Changing your perspective in this window is easy – just hold down a mouse button and move the mouse left, right, up, down, in, or out, and the object moves accordingly.

Front, Side, and Top views are available as well. Gone is the Redraw button of earlier versions. When you move an object, the view switches to a bounding-box view until you release the mouse, and then it's automatically redrawn.

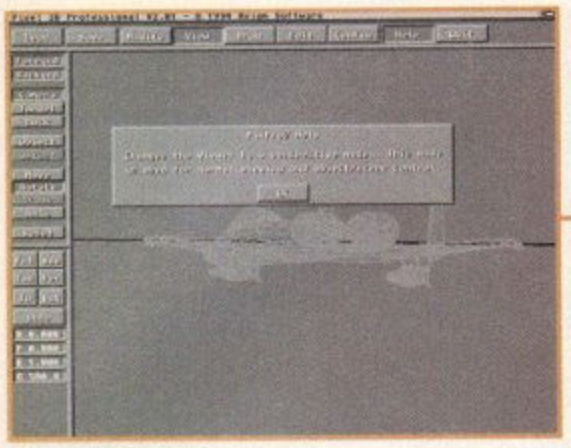
Speaking of redrawing, you'll love PixPro's multiple drawing modes. When you're working on an object, you can have it displayed in Wire or Hidden modes for quick redraws.

The Flat mode is a flat-polygon preview resembling what you've seen in similar programs. The real fun comes with the two ZBuffer modes. Now you can see your ➤

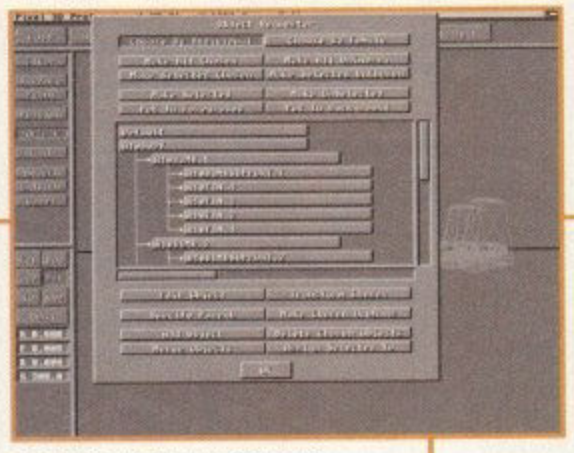
Manual labour

The program includes an 80-page manual in an easily-browsable three-ring binder. The manual is very well written and completely covers the program's features.

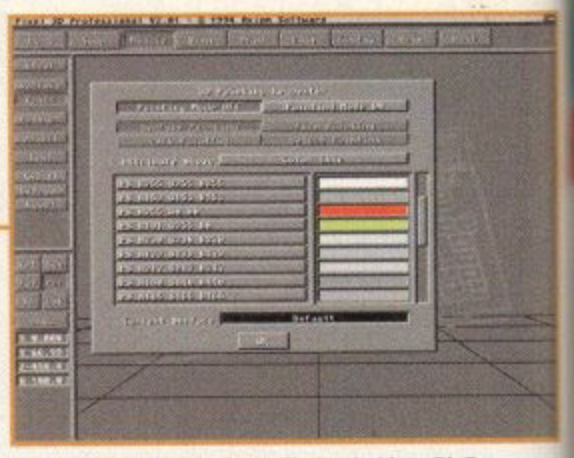
However, it could do with a few tutorials for the more advanced object modification features. The big flaw though is the lack of an index, forcing you to search the table of contents when you're trying to figure out a new feature.



Pixel 3D Pro's help feature



The Object Heirarchy Window



An Amiga 600 EPS clipart file loaded into PixPro

➤
object in full shaded glory, lit by an automatically-placed light source.

This is great for checking the final appearance of your object without having to switch to (and wait for) your 3D rendering program. See the USS Enterprise illustration for an example of the quality this feature is capable of.

The USS Enterprise object is a good example of the power and stability of PixPro. Created by artist Carmen Rizzolo, this Image object tops 1.2Mb in size. Yet PixPro had no trouble loading it, manipulating or rendering it, or converting it to another format. (In AutoCAD DXF format the object was nearly 8Mb in size! 3D Studio's version came in at a more reasonable but still huge 4.5Mb.)

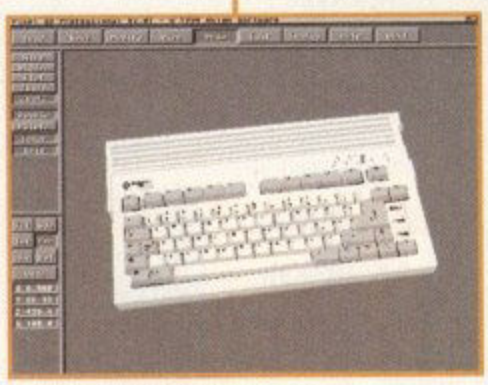
PixPro loads objects in nearly any imaginable format: 3D Professional, 3D Studio (ASCII and Binary), AutoCAD DXF, IFF Bitmap, Caligari, Draw 4D (regular and Pro formats), Imagine, LightWave (objects and scenes), PostScript (ASCII and EPS), Scenery Animator DEM, Sculpt 3D and 4D, Turbo Silver, VideoScape (ASCII and binary), Vista Pro DEM, and WaveFront.

It saves in all of these formats except DEM, Turbo Silver, bitmap, or PostScript. It's a shame that DEM saving isn't supported – it would be fun to be able to use PixPro to create custom landscapes.

Unlike some early object editing programs I've used, PixPro never seems to get confused about where to place polygons when converting objects. 3D Professional, for instance, will often invert some 3D objects when loading Sculpt files, but the same objects converted with PixPro look perfect when loaded into 3D Pro.

One nice feature in PixPro is the ability to load more than one object into the workspace. You can use this simply to compare how objects look in a scene, or to combine them into a single object file. PixPro gives you the option when saving them whether to save as single or multiple files.

Unique to PixPro is the ability to load PostScript files and EPS graphics and convert them into outlines which can then be beveled and extruded into 3D objects. It can handle even complex, shaded PostScript files, as is evidenced by the accompanying tiger illustration.



The object painting requester

CREATIONS

I had no trouble loading EPS graphics saved by PageStream 3.0, although PixPro choked on actual PostScript output files from that program. The program loads PostScript fonts, which makes creation of fancy text logos a snap.

PixPro can also load and trace bitmapped graphics and fonts. The font feature works very well if you're working with a fairly large typeface – obviously Topaz 8 isn't going to trace into a very smooth font.

When working with images, you'll want to work with simple graphics, such as scanned monochrome logos, or simple images with a few colours; memory won't permit you to load detailed digitized images, and you wouldn't be able to work with the complex results even if it would.

If you do try to load an image with more than 256 colors, PixPro can automatically load ADPro and convert the image into a two-colour bitmap.

If you want to do more than just convert objects, PixPro features a complete suite of object modification tools. You can change the colour and smoothing of a surface, optimize the polygons in an object by reducing vertices or polygons, and smooth and bevel objects.

The 3D Painting Requester is wonderful. You can paint the surface of your object b simply clicking on individual polygons. Whe modifying or creating objects, tools includ Move, Pick and Unpick, Link, Swap Subdivide, and Delete.

Note that you'll want to start with some so of outside object – even if it's a simple bitma drawn in a paint program – rather than startin from scratch, as Pixel 3D Pro doesn't hav features for creation of object primitives.

The Bevel feature is really neat. You ca create a standard bevel around the edge o your object, or you can choose a "Router Bi which lets you use a user-defined polygon t shape your bevel. The edge of your objec ends up looking like you've actually used a actual workshop router tool to modify you object.

Working with complex objects couldn't b easier, thanks to PixPro's Object requeste This window shows the various components o an object in an outline form. You can specif parent, child, and orphan relationships, associ ate other objects, and choose objects individu ally or by family.

If you want to change the position of th wings, engines, and propellers of a V-2 Osprey VTOL aircraft object, you can simp place them all at the same hierarchy leve Once that's done, just move further down i the hierarchy to modify the position of the win flaps. It's an amazingly intuitive feature.

AC

Wrapping it up

Pixel 3D Professional Version 2 is a fast, powerful program that's a must-have for any 3D artist. The tools for creating objects from outlines and bitmaps blow away those built into programs like Imagine.

You'll find it worth purchasing just as a conversion program, with its ability to flawlessly move objects between formats while retaining as many object characteristics as possible.

Complaints are very minor: Some PostScript fonts wouldn't load into the program, but that's a common problem with programs like these (PixPro did handle fonts that Imagine couldn't) due to flaws in some fonts' PostScript code.

It would be nice to see a ScreenModes requester so you could choose what resolution to run the program in. And I'm amazed that none of these programs ever think to include a print feature so you can keep a hardcopy reference of your objects.

These minor omissions aside though, Axiom has a winner on their hands.

SYSTEM ESSENTIALS

RED = Essential **BLACK** = Recommended

2 Mb
Fast RAM

2.04
Workbench

The bottom line

Product: Pixel 3D Professional Version 2
Supplier: Axiom Software
Price: $299.99
Tel: 0101 (612) 894-0596
Fax: 0101 (612) 894-1127

Ease of use	8
Implementation	8
Value for money	9
Overall	9



POWER COMPUTING

DESIGN *and* INNOVATION

HARD DRIVES

SCSI/IDE HD'S

All our hard drives come complete a 12 month guarantee with fitting cable, screws, partitioning software and full instructions.

2.5" IDE HARD DRIVES

80MB HARD DRIVE	£139.95
120MB HARD DRIVE	£159.95
170MB HARD DRIVE	£219.95

3.5" SCSI/IDE HARD DRIVES

260MB HARD DRIVE	£219.95
350MB HARD DRIVE	£254.95
520MB HARD DRIVE	£329.95
1GB HARD DRIVE	£699.95
2GB HARD DRIVE	£1099.95

2.5" 120MB £159.95



VIDEO BACKUP 3.0

BACKUP FEATURES

Innovative product that allows you to backup your software onto a VHS cassette. You can now fit up to 520MB on a four hour tape. The award winning Video Backup System now has new backup modes for Amigas with a 68020 or a higher CPU, a new user interface that also runs on the Workbench screen, a two times speed improvement over Version 1.5, data compression over three times faster than Version 1.5 and you can also watch television on your 1084s monitor!

VIDEO BACKUP SCART

VBS SCART VERSION	£65
VBS PHONO VERSION	£60
FORMAT AWARD WINNER	

new



DUO SCSI BOXES

DUO FEATURES

External SCSI high storage devices available with a dual speed CD-ROM drive, 128MB Optical Drive and Gigabyte hard disks. All Duo Boxes come complete with all leads, power supply unit and user manuals.

DUO BOX 1

DUAL SPEED CD-ROM &
128MB OPTICAL DRIVE
£1059.95

DUO BOX 2

1GB HARD DISK &
128MB OPTICAL DRIVE
£1499.95

DUO BOX 3

2GB HARD DISK &
128MB OPTICAL DRIVE
£1979.95

new





Alternative configurations available £POA

TURBO CALC

TURBO CALC 2

Turbo Calc v2.0 is the unique software solution that defines a new standard to spread sheets applications on the Commodore Amiga. Experience its unlimited capabilities in all relevant categories:

Design

- Extensive formatting options
- All supported font formats
- No colour restrictions
- Various cell frames, including 3D option
- Freely adjust row width/column height

Functions

- More than 100 functions covering arithmetical and financial needs
- Intuitive input via mouse

new

Diagrams

- All common chart types bar, line etc.
- Various filling patterns and colours
- Output as IFF-file or graphic printout
- Optional display of legend and axis labeling

Macro/ARexx

- ARexx port
- Free menu definition
- Macro language with more than 120 instructions

Database

- Integrated database with numerous data definition and retrieval options: Search, copy and delete operations according to user-defined criteria.

TURBOCALC 2 £59.00

Works with any Kickstart

AWARD *winning* PRODUCTS

44a/b Stanley St. Bedford MK41 7RW

telephone 0234 273000

facsimile 0234 352207

All prices include VAT. Specifications and prices are subject to change without notice, all trademarks are acknowledged. Prices are valid for month of publication only. E & OE. Delivery next day £5 2-3 days £2.50 Saturday £10. Deliveries are subject to stock availability.

Cheques payable to Power Computing Ltd

Name

Address

Postcode

Telephone

System owned

Description

Cheque/PO for £ allow upto 7 days to clear

Credit card No.

Expiry date Sign

Compatibility and caveats

PageStream 3.0 sounds great, and for the most part it is. However, the version I reviewed (3.0a) did have some major problems – there were unimplemented features, occasional lockups, and problems importing some PageStream 2 and Professional Page files.

Because the program was so late, Soft-Logik decided to ship now and offer a free upgrade patch once everything was fixed. In the meantime, the company has been posting updates on online services and the Internet so that modem users can get the latest fixes as they're completed.

It's disappointing to see such a powerful, professional program released with such flaws and omissions, but Soft-Logik has a track record for perfecting their products, and everything will likely be in place by the time this review sees print.

No longer will the PC and Mac dominate the DTP market. Like a breath of fresh air, PageStream 3 breezes in and blows their tools away



Arguably the most important, and certainly the most long awaited release in the history of the Amiga DTP

Something

Back in the glory days of the mid-eighties, the Amiga was one of the most advanced platforms around for desktop publishing, offering colour-separated page output while the other companies were still trying to perfect black-and-white.

As personal computer-based publishing moved into businesses, PC and Mac programs began to grow in power, eventually leaving their Amiga counterparts in the dust.

Until now, that is. Screaming through the dust like the Batmobile comes Soft-Logik's PageStream 3, running competitors PageMaker and Quark XPress clear off the road. It matches both programs in the features department, and blows them away when it comes to ease-of-use and flexibility.

Upgrade

Gold Disk's now-orphaned Professional Page 4.1 isn't even in the same league – luckily PageStream 3.0 includes a Professional Page import module, so users can still upgrade to the latest and greatest.

In fact, the name PageStream 3.0 is a bit of a misnomer since it's actually a completely new program, sharing no code at all with the previous release 2.22. The user-interface is similar to earlier versions, but has been spruced up with pop-up menus, and brought closer in line with the Amiga style guide.

The previous two-column toolbox has been reduced to a single row which uses up less screen real-estate and can now be displayed in vertical or horizontal format, with large or small icons.

Even more useful is a floating, context-sensitive palette that lets you choose common settings without having to open and manipulate requester windows. You can selectively hide views or documents, which helps keep down screen clutter when you have numerous documents open, and saves on Chip RAM as well. You can run in any system-legal screenmode, including 256 colours if you have AGA or a graphics card. Public and virtual screens are supported as well.

With earlier releases, you needed to purchase Soft-Logik's HotLinks Editions if you wanted to easily edit text and graphics in the program. This package included a cumbersome HotLinks device driver, the BME bitmap editor, and the PageLiner text editor.

Thankfully, the linking mechanism is now built directly into PageStream, and BME and PageLiner are now bundled with the package. Unfortunately, this means you can no longer HotLink to ImageMaster and ProWrite, the only other programs ever to adopt the HotLinks standard.

PageStream now uses the Amiga's clipboard for cut and paste, making it a snap to transfer small amounts of data from other clipboard-savvy software.

PageStream 3.0 uses the Commodore Installer program, like many other recent productivity programs.

Once the install is complete, you'll be prompted to enter your PageStream serial number and permanent password. If you've upgraded from a previous version of PageStream you'll have the permanent password, so no problem.

If you're upgrading, though, you'll have to type in a temporary password each time you start the program, until Soft-Logik processes your registration card and sends you your password.

Creative

Desktop publishing, of course, boils down to the creative and attractive placement of text and graphics on a page. PageStream 3.0's text-handling features make creating both long and short documents much easier.

Text can be placed on the page in column frames, shape frames, and frameless text objects. Column frames have been enhanced to allow placing more than one column in a frame – this makes it much easier to move multiple columns around a document together.

To create a shape frame, simply use the drawing tools to draw any shape, then set its properties to indicate it's a frame. Some impressive effects can be done this way.

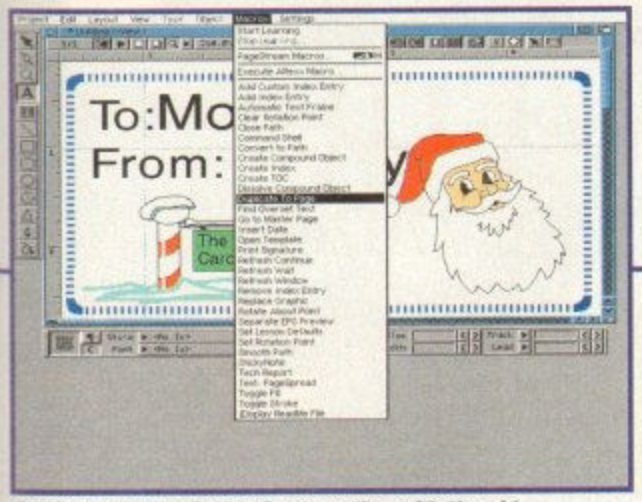
Printing pluses

PageStream's printing system has been completely revamped. Custom drivers are included for Hewlett-Packard – and Epson – compatible printers, as well as the Fargo Primera; a Preferences driver is included for other printers; and an IFF driver lets you output your page as an image file. The PostScript driver now uses PPD files for greater compatibility with both laser printers and professional imagesetters.

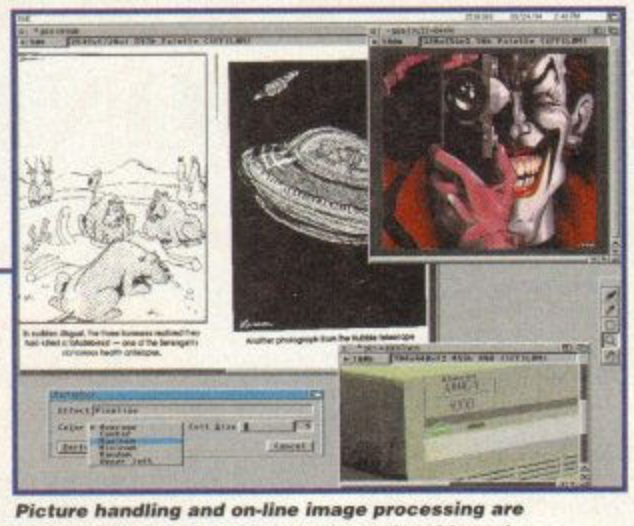
For professional output, you'll find a full suite of features such as crop and registration marks, trapping patches, slur gauges, and grey balance patches.

Pantone colour libraries let you use industry-standard colour values. Trapping lets you choke and spread colours for creating separations, and plate control lets you set colour printing options for each plate in a print job.

Print quality is much better than in earlier versions. The text is extremely crisp, looking as good on an HP DeskJet as the output from Final Writer. Graphics, both outline and bitmap, now look great, having lost the muddiness evident on some printers with earlier versions of PageStream.



Setting new standards of automation with the aid of ARexx and option to record your own macros



Picture handling and on-line image processing are yet another huge improvement over the old version

in the air

For instance, I drew a basic outline of an airplane and spilled the text of the poem "To Fly" into it to create a poster for my office.

Frameless text objects are quite handy when you're just trying to drop a few words onto a page quickly – just click on the page and start typing, no need to draw and move frames around. Also, when you resize a column frame, only the frame changes size; resizing a frameless text object also stretches or shrinks the text – it's great for making headlines fit exactly without having to fiddle with tracking values.

Typing text directly into PageStream 3.0 is excruciatingly slow, even on an A4000/040. Luckily, you can export text to the included PageLiner text editor.

PageLiner is a very basic text editor – sporting not much more than search/replace, a spell checker, and basic editing tools – but it's fast enough that it's a godsend when making more than minor changes to a document's text.

If you're trying to enter an obscure foreign character or graphic dingbat and you can't remember the proper keystroke, the new Insert Character command lets you choose the right character from a scrolling requester – great when you can't remember the key to press to get the trademark symbol.

PageStream 3.0 imports text in a number of formats, including ASCII, excellence!, Final Writer, IFF text, ProWrite, WordPerfect, and WordWorth.

Filters are also provided that are supposed to handle Microsoft Word (Mac, MS-DOS, and Windows) and WordPerfect for DOS and Windows files, but in PageStream 3.0's initial release they wouldn't recognize the files I tried.

If you're moving text from a PC or Mac desktop publishing program, PageStream can import text files with embedded Quark XPress or PageMaker codes – just use those programs' text export features to save the document.

One neat improvement in version 3.0 is that the filters work for both import and export, so you could take formatted text, for instance, and save it as a WordWorth file without losing all the bold, italics, and other attributes.

The Edit Palette makes formatting text a snap. Font, stylesheet, type style, size, width, tracking, leading, indentation, and paragraph formatting values are all a single click away no matter what you're doing.

Formats

Automatic formats are included for making bulleted paragraphs and drop-caps. Chapter and document-level commands make it easy to create long, sectioned documents such as books and manuals.

PageStream supports fonts in original Soft-Logik, Compugraphic (both Gold Disk and AmigaDOS formats), and PostScript formats. Release 3.0 now directly supports Macintosh – and Windows – format PostScript fonts as well as MS-DOS typefaces. Over 60 fonts are included with the program.

PageStream's image facilities are much improved as well. The improvements in the text engine – clipboard support, floating tool palette, export as well as import, and so on – are all there. The biggest improvement, though, is that PageStream finally displays graphics in full colour. No more working with muddy black outlines when trying to precisely place images!

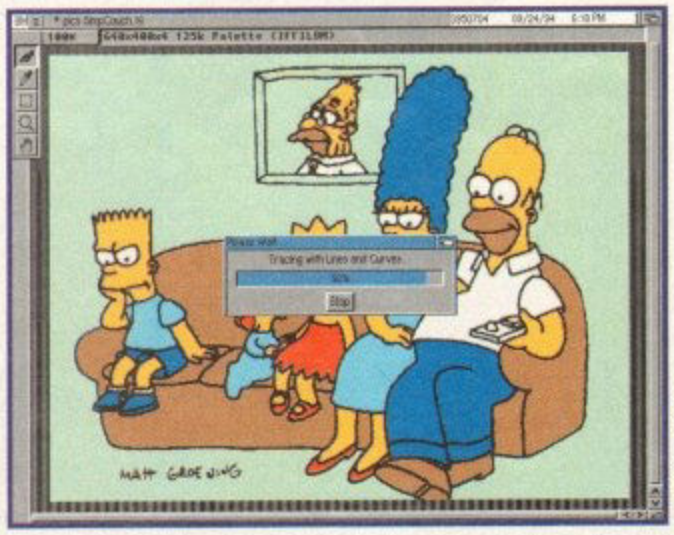
Supported bitmap graphic formats include BMP, GIF, IFF, MacPaint, PCX, and TIFF; outline formats include EPS, Art Expression, Freehand, Illustrator, and ProDraw.

There's also a complete set of drawing tools, including a tool for adding, deleting, and moving individual points, as well as tools for creating polygons and bezier curves.

Add these to powerful tools for rotating, aligning, fencing, and skewing objects and graphics, several types of gradient fills and you'll realize PageStream 3.0 is about as good a structured drawing program as many of its Amiga-based competitors.

If you need to edit bitmapped images, you can send them directly to BME, a bitmap editor that now supports full colour and has a basic set of image-processing capabilities. Unfortunately, neither it nor PageStream support loading Jpeg images.

If you're tight on hard disk space and you won't be moving your documents to another Amiga, you can choose Leave External when loading a graphic; this will save only a link to the original image file, making your PageStream document much smaller on your hard drive. AC



Auto-trace as standard. Yet another first for the latest release...

SYSTEM ESSENTIALS

RED = Essential **BLACK** = Recommended

Hard drive	Hard drive
1MB Chip RAM	
4MB Fast RAM	RAM
Workbench 2 or higher	Amiga DOS 2.1

The bottom line

Product: PageStream 3.0
Supplier: Soft-Logik
Price: $395
Tel: 314-894-3280

Ease of Use	10
Implementation	7
Value for Money	8*
Overall	9

*value will be 9 once all features are implemented

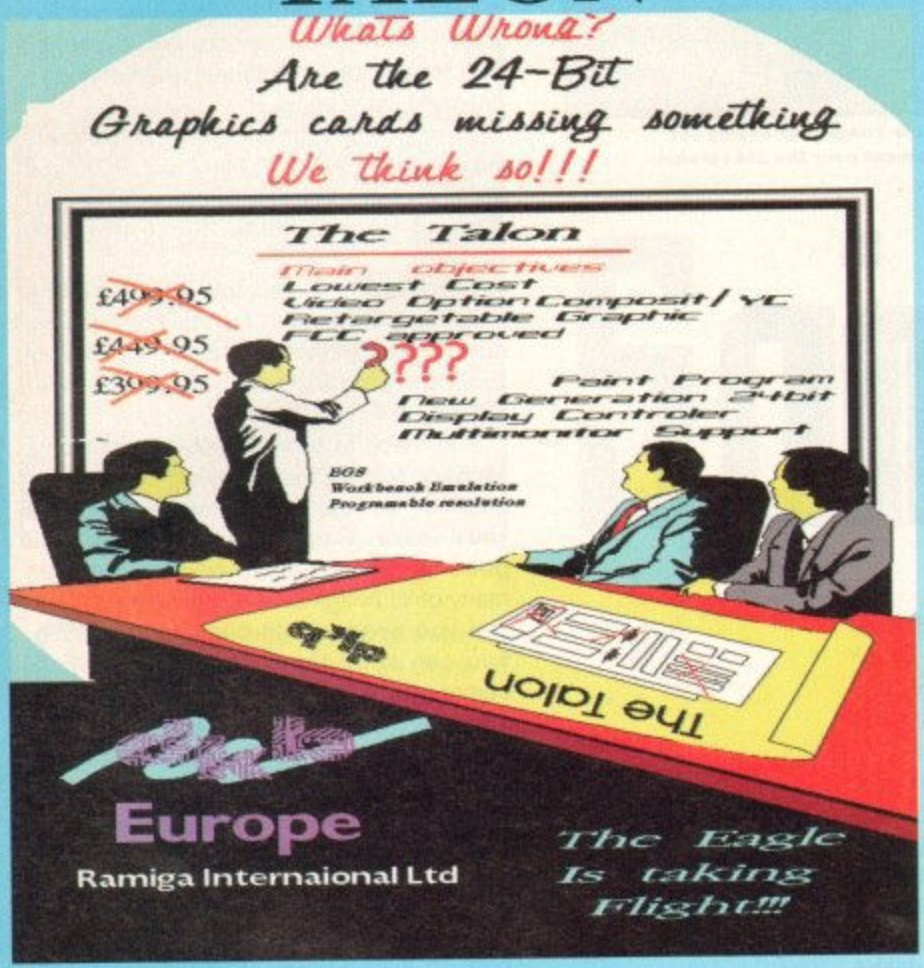
RAMIGA INTERNATIONAL LTD

RAMIGA International Ltd

·A·C·E· AMIGA CENTRES OF EXCELLENCE

Telephone: 0690 770304 • Fax: 0690 770266

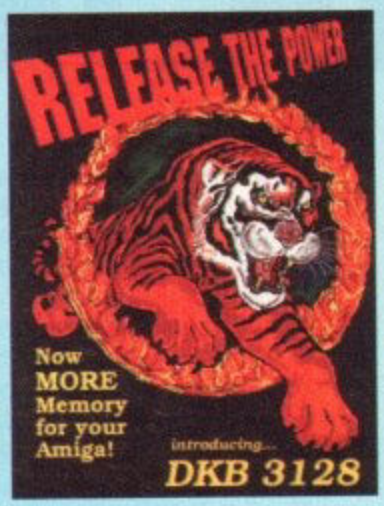
TALON



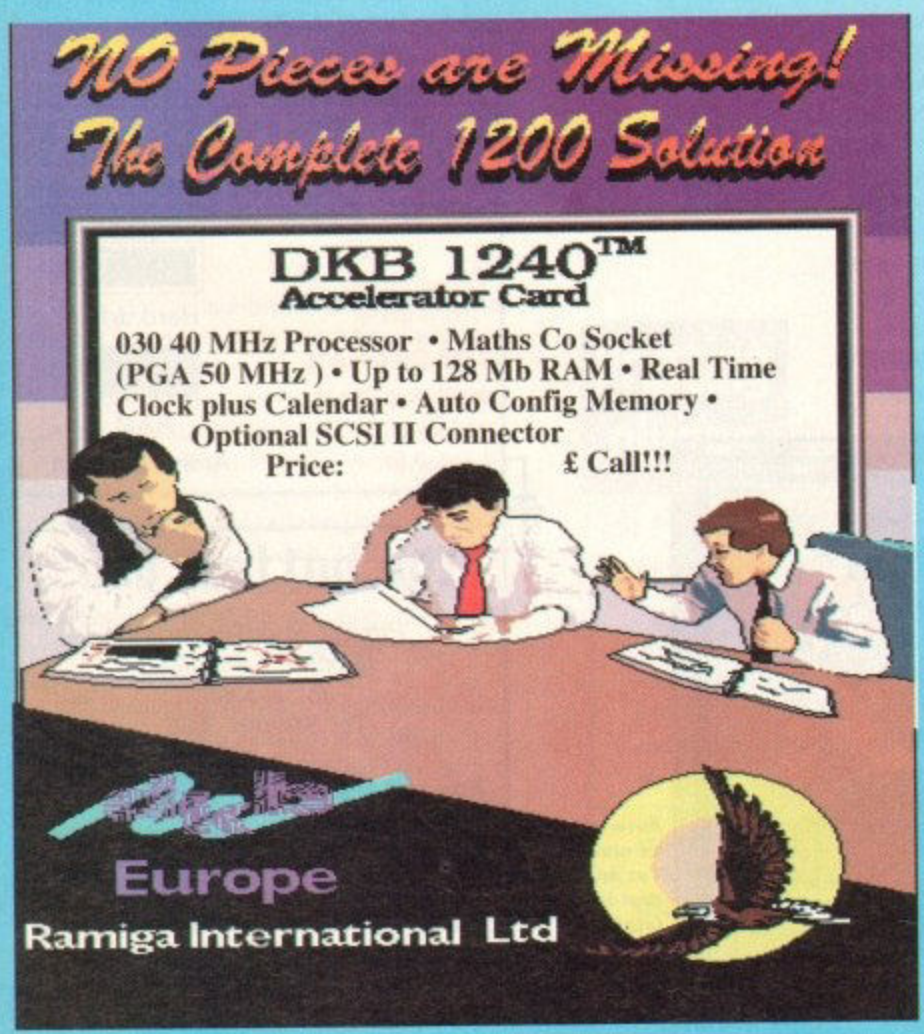


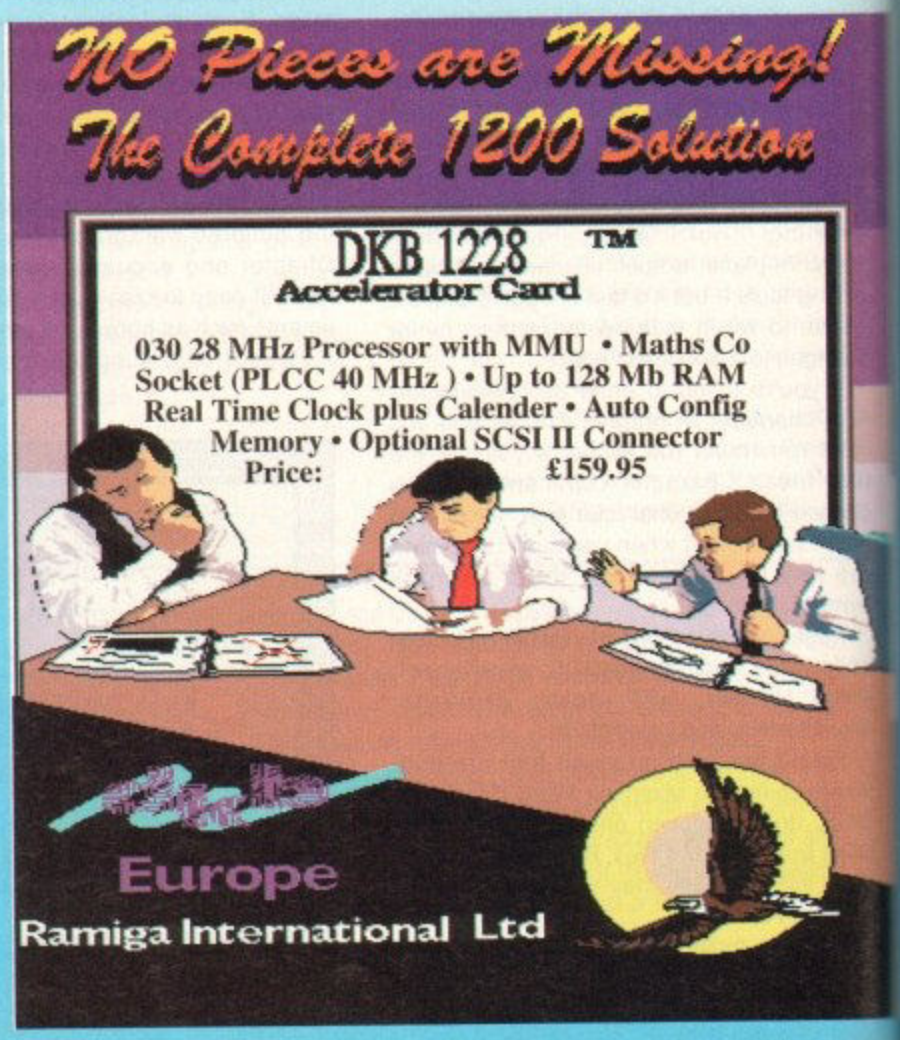
DKB 4091 **£299**

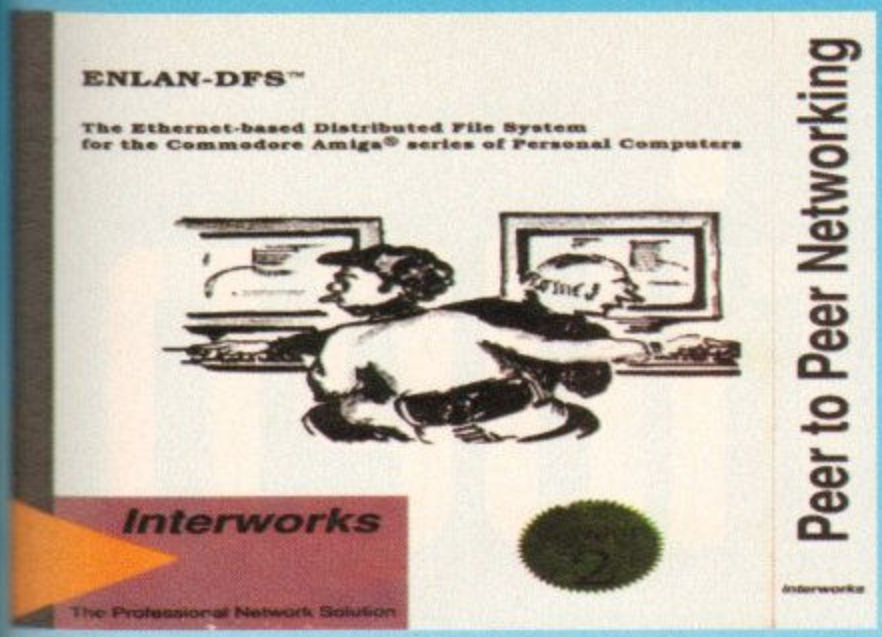
SCSI II Hard Drive Controller



£CALL







Requires AmigaDOS Version 2.04 or higher **£299** *(5 user licence)*

THE "I" CARD

PCMCIA network card, Ethernet Base SANA II compliant
A600/A1200/A200/A300/A400 compatible.
Standard 10 Base T - 10 Base 2 Conectors **£299**
Official European Distributor

NewTek INCORPORATED

NEWTEK'S LIGHTWAVE 3-D NEW PAL VERSION 3.5

LightWave 3D is a full featured 3D graphics and animation system. It's renowned for its easy to use interface, which gives quick access to a wide range of potent features. LightWave 3D's spline based key framing system allows fast creation of motions, while other features such as Envelopes, Skeletal Deformation, and Displacement Mapping allow almost every element in a scene to be animated.

LightWave 3D features a powerful rendering engine, capable of 16.8 million colour, ultra high resolution output and extremely fast render times. It also features such high end render options as lens flares, full motion blur, and depth of field effects. It has extensive texture control, including five types of image mapping, a variety of procedural textures such as fractals and water ripples, and the ability to animate textures.

£499.00

Call for information on other LightWave Add Ons.

SPECIAL OFFER: LIGHTWAVE V3.5 + DKB MEGACHIP £658.95 £619.00

Raptor Plus

This bad boy has the equivalent rendering power of 20 - 30 Amiga A4000/040 and is a steal at this price! Fully loaded, price includes 128 Mb RAM and 8-user ScreamerNet (inc LightWave) software license (Ethernet adapator and ENLAN-DFS software required to connect your A4000/040 included. (Formally known as The Screamer).

SCREAMING AT..... **£14,599 + VAT**

DKB MEGACHIP

£159.95

LightWave requires 2 Mb Chip RAM to operate.



AMILINK

EDIT LIKE A PRO.....USE AMILINK!

AMILINK FEATURES INCLUDE:

- Supports any combination of a wide range of video equipment including: Panasonic, Sony, JVC, Abekas, Accom, Pinnacle, RCA, Ampex, Pioneer, Hitachi, etc.
- True A/B Roll or Cuts-Only control of up to 16 sources, 4 recorders, and up to 49 GPI triggers.
- Absolute zero-frame accuracy*
- Reads both VITC and LTC SMPTE/EBU time code.
- Interformat capability of virtually every tape format including: Sony Hi8, VHS, S-VHS, Beta SP, MII, D1, D2, D5, 1" and 2", 3/4 Umatic, video disks, etc.
- Edit List tools: cut & paste, copy, clean, ripple and extensive sort options
- Import/Export CMX 3600 Edit Lists
- GPI trigger output with programmable logic
- Editing interface allows the novice or seasoned post-production professional to edit easily and quickly with a minimum learning curve.
- Supports Control-M, Control-L (LANC) and VISCA edit protocols.
- Audio/video split and advanced match frame edits.
- Video shuttle and jog control with keyboard, mouse or optional POD with jog/shuttle wheel and hot keys.
- Complete control over NewTek's Video Toaster or any RS-422 switcher, audio mixers, and DPS time-base correctors.

NTSC and PAL compatible.

- Expandability-AmiLink Pro and V-LAN technology provide unlimited, flexible system configurations.

**requires frame-accurate vtr*

SYSTEM REQUIREMENTS

Windows Version: IBM compatible computer with an Intel 80386/486 processor, mouse, 4 mb memory, MS-DOS version 5.0 or higher, Microsoft Windows version 3.1 or higher, VGA, SVGA, TGA display or higher, 3.5" floppy drive, system hard drive, one open parallel port and serial port. (If you use the Video Toaster, you will need two open serial ports. VT4000 users will need 2 mb chip RAM. When integrating other video equipment, consult manufacturer's documentation.)

Amiga Version: Amiga computer, 2mb RAM, AmigaDOS version 2.0 or higher, 3.5" floppy drive, system hard drive. (If using the Video toaster, you will need 9 mb RAM. VT4000 users will need 2 mb chip RAM. When integrating other video equipment, consult manufacturer's documentation.)

AmiLink is a registered trademark and PRO is a trademark of RGB Computer & Video, Inc. V-LAN is a registered trademark of Videomedia, Inc. All other trademarks are the property of their respective owners. This product uses the industry standard V-LAN Universal Control Network.

OFFICIAL EUROPEAN DISTRIBUTOR

All Prices Inc. VAT. All Cheques payable to :

RAMIGA International Ltd., Stablau 'Rin, Pentrefoelas, Clwyd LL24 0HT

Tel: 0690 770304 Fax: 0690 770266

Access VISA

Driven

When you buy a piece of hardware the brief instructions often have you thinking things are going to be easy. But how many times, for example, have you followed the words "just click on the install icon" only to be faced with unforeseen difficulties?

The purpose of this guide is to outline the process of installing a CD-ROM drive and to deal with some of the problems that can arise.

SCSI CD-ROM Installation

One of the most flexible pieces of software for installation is FirstCD-Rom from First Computer Centre. Space willing, we'll be putting this on the front of next month's issue so you can get your hands on it for free.

The advantage of this software is that it works with drives which were not designed with the Amiga primarily in mind. As long as it is SCSI compatible you can use any of the CD-ROM drives that you might find advertised in a PC magazine.

This means that triple or quad speed drives are available to Amiga owners, giving them obvious advantages in terms of access time. To allow the Amiga to communicate with the drive a SCSI controller card is required, while an external SCSI port is recommended if using an external drive. FirstCD works with controller cards supporting SCSI Direct (i.e. most of them) along with O.S. 2.4 or above.

When you insert the software into the floppy drive an icon will appear which you should open. Thankfully, FirstCD-Rom gives you a standard Commodore installer system which makes life easier for starters.

The user is immediately given the option of real or pretend installation, the latter option obviously being helpful if you're concerned about where the program is going to place the files.

The next step is configuring the device drivers for your operating system. If necessary you can change the default setting to a different O.S. providing it's 2.4 or higher.

Once this is done the program asks you which controller card you are using. FirstCD-Rom supports most types including all Commodore and GVP cards.

If it's an unlisted card then there is another option which asks for the device driver name, and this can be found in the devs directory. Once a card type has been selected the program checks automatically whether it is resident.

A SCSI card can control up to seven devices so you will have to enter the CD unit's ID. number. Though the software's default setting will often be fine, it will be necessary sometimes to define a different target.

The program comes with a number of additional utilities, including JukeBox which allows you to play audio CD and a photo-CD loader for Image FX. You can choose at this point which, if any, you wish to install.

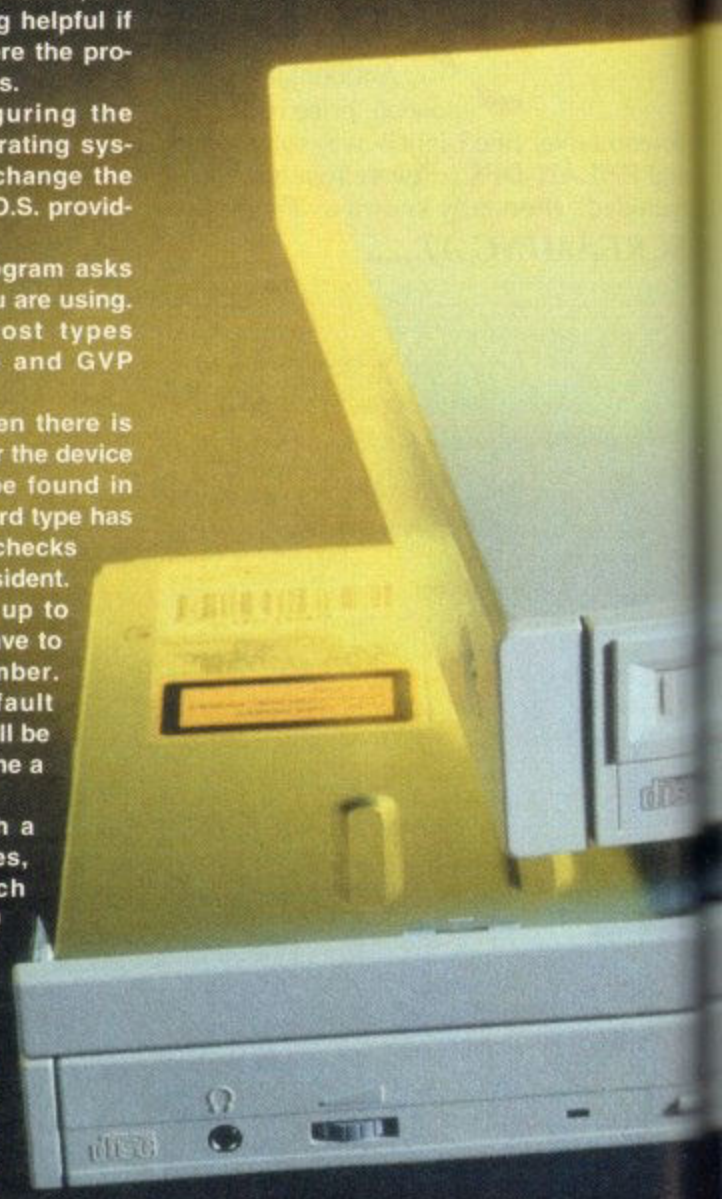
It also allows you to choose where to install the software. Having entered the desired hard drive location it's best to create a separate drawer for the documentation – for example 'CDRom'.

You will be asked where you intend the additional utilities to go, but as long as you want them as sub-directories within 'CDRom' then its just a matter of hitting the proceed icon until the magic words appear: "Installation Complete!"

PROBLEMS?

You've installed FirstCD-Rom but for some reason still can't open the device. This could be because you have given the software a unit identity that is not reflected on the drive setup itself.

Remember the SCSI card can control seven devices so each one must have a unit identity. If the ID on the drive does



Installing the Zappo

We'll deal with this separately because it is purposefully designed for use on an A1200 and therefore the installation software supplied should be used.

In this case the process couldn't be much easier and the instructions provided are, for once, helpful. Insert the floppy, hit the 'install' icon and that should do the trick.

Now you are presented with a menu allowing you to access the CD Rom, emulate the CD32's Workbench 3.1 or just boot the machine as usual. This is well implemented and convenient to use.

However, for anyone who's using a disk expander to decompress crunched hard-drive files, here's a word of warning. Zappo's installation software places the CD-ROM start-up sequence before anything else when you boot the A1200.

The trouble is that unless the disk expander is right at the beginning of the sequence, the 1200 won't be able to find anything because it's all compressed.

To avoid this problem, the user should use Ed to copy and paste sections of the sequence so that the CD-ROM start-up comes after the information telling the 1200 that the files are crunched.

Other difficulties arise when you try to use certain CD32 games. Microcosm or Zool 1 work perfectly, for example, while others do not. It's worth knowing that some games require fast RAM to work on your A1200.

Using external drive with no external port.

As has been said, an external port would be useful. However, there is a way of connecting the CD drive to the Amiga internally, though it's a much less tidy solution.

To do this you'll need a 25/50 pin ribbon connected to a centronics converter. This should be available from any major computer supplier.

wild

Buy a CD-ROM Drive and with the help of a manual installing it should be easy. That is, in theory. Gareth Lofthouse investigates

not match the ID number you supplied the software with during the setup, the Amiga and drive still can't communicate.

There are two ways to resolve this problem. One is to change the unit ID of the actual drive so it reflects the software – your CD-ROM drive manual should tell you how to do this.

Alternatively, you can overcome the difficulty by editing the CD0 file. Open up the command shell and type: Ed devs:dosdrivers/cd0 and this will open up an ASCII text file.

This contains a mount-list, in other words a list of commands which tell the Amiga what to expect from the drive. All you have to do is edit the start-up line by supplying it with the drive's unit number. Hey Presto, the problem is solved!...well, hopefully.

AC

Installing the Toshiba 4101B

Unlike the other drives discussed, this CD-ROM is designed to be installed internally. This obviously presents the owner with greater difficulty when making the physical connections.

The procedure is mainly straightforward. However, with a A4000 you'll have to pull the front panel off which can be a fiddly job. The 5 1/4 inch bay must also be removed but this is less troublesome.

As part of the package you get mounting brackets and software designed specifically to install the Toshiba.

Some CD options

Toshiba XM4101: Internal £189.99; External £259.99.
NEC 3XE: Triple Speed £349
GVP SCSI card: £122.99
Contact: First Computer Centre, Dept. PCH, Unit 3,Armley Park Court, Stanningley Road, Leeds LS12 2AE.

Hitachi SCSI 2 CDR-1950SY: £359 (includes SCSI kit)
Contact: Computers by Post
Tel: 081-982 6380.

New: Teac CD-55 AK. Quad speed CD-ROM offering access speed of 195ms and 600KB/sec data transfer rate.
Available for SCSI interfaces.
Price: £469
Tel: 0923 225235.

Hints and tips

If you don't have a directory manager, there are certain ways of making your CD-ROM work more efficiently.

When it comes to viewing files it's best to select the "show by name" option from the viewing menu of Workbench. If you display by icons it will waste time generating windows which can be so huge they're virtually unusable.

If you set this option in the root directory it will carry on right through the CD-ROM sub-directories, which saves you a lot of messing about. Also remember that it's possible to move groups of files around by highlighting the desired sections with a drag-box.

Having said this, for the serious CD user, an extra utility or two would be extremely useful. For example, once you realise just how many files are stored on a single CD the desirability of a directory manager becomes obvious. (Directory Opus is one of the best).

Some CDs have archived files so that even more information can be stored. It's an advantage, therefore, that most directory managers have an in-built decompressor. If using Opus, for example, lhd files can be expanded by clicking on the ARC EXT button.

They also give you the advantage of search capabilities. This is a great time saver when you're searching through a number of CDs for files matching a particular subject.

Even better in this area is Quaterback Tools Deluxe, because the problem with Directory Opus when you're searching for a lot of files is that it needs constant maintenance.

Tools Deluxe is a hard drive maintenance facility that caters for many different pattern matches. It can be left to search for hundreds of files without being given the OK everytime it comes up with a possibility. All very useful, really, since the ability to find the material is almost as important as having it in the first place.

More problems?

Simon the Sorceror also illustrates another problem. With Fast Ram it works perfectly except the speech is garbled, which sadly leaves the game totally unplayable.

This sort of problem is caused because the CD32 programmers are not writing with the A1200 in mind and game data will sometimes go to the wrong memory locations. It would be wrong to blame Zappo for these compatibility problems. If the programs were written to Commodore standards they would be much more system friendly.

As it is, though, the Zappo will soon be supplied with improved emulation software that ZCL claim will reduce the number of difficulties. In fact, the updated software will be considerably larger than the original installer, with two disks now instead of one. Its biggest advance will be the improved compatibility as far as running CDTV software on your A1200 is concerned.

Ladbroke Computing

33 Ormskirk Rd, Preston, Lancs, PR1 2QP

Ladbroke Computing International are one of the longest established home computer dealers in the U.K. We have developed an extensive customer service policy which involves testing of all hardware prior to despatch to ensure that goods arrive in working order, offering free advice and support over the phone and keeping customers informed. Although our prices are not always the cheapest we do endeavour to offer consistently good service and backup.

All prices/specifications are correct at copy date 26/9/94 (while stocks last), and are subject to change without prior notice. All prices include VAT but exclude delivery.

How to Pay
You can order by mail Cheques/Postal Orders made payable to Ladbroke Computing. Or give your credit card details over the phone.

Delivery
Postal delivery is available on small items under £40 (Normally £3, phone for details). Add £7 for courier delivery. Next working day delivery on mainland UK subject to stock (£20 for Saturday delivery).

Open Mon-Sat 9.30am to 5.00pm.
Ladbroke Computing Ltd trading as Ladbroke Computing International.

Fax: (0772) 561071
Tel: 9am-5.30pm (5 Lines)
(0772) 203166

Printers



Star

Star LC100 Colour	**£119.99**
Star LC24/100 Mono	**£169.00**
Star LC24/30 Colour	**£209.99**

- Built in 55 sheet feeder
- 24 Pin Colour

Starjet SJ48 Bubblejet	**£210.00**
Star SJ144	**£369.99**

- Thermal max transfer colour printer
- 144 element head
- Glossy colour output
- 360 dpi resolution

Citizen

Citizen Swift 240 Colour	**£250.00**
Citizen ABC 24 pin Col.	**£179.99**

Hewlett Packard

HP Deskjet 520	**£259.99**
HP Deskjet 310	**£239.99**

Lasers

Ricoh LP1200	**£599.00**
Panasonic KX-P4400 Laser	**£499.99**
Seikosha OP104	**£479.99**

Add £3 for Centronics cable and £7 for next working day courier delivery.

GVP II Hard Drives



- Quantum SCSI Hard drive
- Ultra fast 11ms access
- Up to 8Mb RAM on board

SPECIAL OFFER

260MB NO RAM

£339.99

2 x 1Mb Simm's	**£49.99**
4 x 1Mb Simm's	**£99.99**

GVP 286 Emulator

- 16MHz 286 PC Emulator
- Norton rating 15
- Plugs into GVP II HD

GVP PC-286 Emulator £89.00

Legend Trakball

Ergonomically designed Trak Ball. 320Dpi resolution, 2 microswitched buttons. The Legend Trak Ball is very easy to use. Unlike normal Trak Balls the LEGEND is operated with the thumb freeing the fingers to click buttons.

ONLY £19.99

GVP Genlock

- Video processor provides real time software control of brightness, contrast, saturation, hue, sharpness, filtering, gain etc.
- Audio processor with two audio inputs, software switchable or mixable, with software control of Volume, Bass and Treble effects.

G-Lock Genlock	**£284.00**
Rendale 8802 Genlock	**£149.99**

A1200 Hard Drives

Plugs into PCMCIA slot
Fully external, doesn't affect warranty

250Mb Overdrive	**£349.99**

Phone for higher capacities.

External Fax/Modem

- 14,400 Baud
- Fully BT approved
- 5 years warranty

ONLY £169.99

Amiga Packs

Amiga 600 Summer Pack	**£184.99**

A1200 Race & Chase £279.99
Includes A1200 with 2Mb RAM. Trolls and Nigel Mansell

A1200 Computer Combat Pack £329.99
Includes A1200 with 2Mb RAM, Digita Wordworth, Digita Print Manager, Personal Paint 4, Total Carnage, Zool 2, Brian The Lion.

Amiga CD32 £279.99
2Mb RAM. Dual Speed CD ROM. Multi session, plays music CD's, 256000 colours on screen, includes 2 games Oscar and Diggers.

Amiga 4000 030 £999.00
Includes A4000, 030 processor, 2Mb Chip RAM, 80Mb Hard drive.



Amiga Mouse

- 290dpi resolution
- 2 Microswitched buttons
- Opto/Mechanical mechanism
- Switchable between Amiga/ST
- Direct Mouse Replacement

£9.99

Floppy Drives

- 880K formatted capacity
- Double sided, Double density
- Through port

Zydec Drive	**£59.00**
A500/600 Internal Drives	**Phone**

RAM Upgrades

"SPECIAL LIMITED OFFER"

A500 512K upgrade
£10.99

A500+ 1Mb upgrade
£14.99

A600 1Mb no clock
£24.99

Plugs straight into A600 trap door compatible with A600, A600HD

A1230 Accelerator

- 40MHz 68030 accelerator
- Makes your Amiga 1200 run over 7 times quicker.
- Allows up to 32Mb RAM
- Optional FPU

A1230/4Mb/No FPU	**£429.00**
A1230/4Mb/68882 FPU	**£529.00**

Monitors



Microvitec 1438 £289.99
The Microvitec 1438 is a multisync monitor compatible with A500/A600/A1200/A4000.

.31 DP Colour SVGA £199.99

Colour SVGA Monitor £209.99
High quality Colour SVGA Monitor .28 dot pitch.

A1200 VGA adaptor	**£9.99**
Falcon VGA Adaptor	**£9.99**
Philips SCART to Amiga	**£9.99**
8833 MKII to Amiga	**£9.99**

Falcon 030

- 16MHz 32 bit 68030 Central Processor, 16MHz Blitter, 32MHz 56001 Digital Signal Processor
- 1.44Mb 3.5" Floppy, up to 14Mb RAM. Displays 65536 colours from 262144 palette
- 8 Channel, 16 bit, high quality Stereo sound sampling

FALCON 1Mb No HD	**£399.00**
FALCON 4Mb No HD	**£599.00**
FALCON 4Mb 64Mb HD	**£799.00**
FALCON 4Mb 127Mb HD	**£799.00**
FALCON 4Mb 209Mb HD	**£899.00**
Falcon Screen Blaster	**£89.00**

Repair Services

Our Service department can repair Amiga's in minimum time at competitive rates. We can arrange for courier pickup and return delivery of your machine to ensure it's safety. We even have a same day service which will ensure your machine is given priority and subject to fault, completed the same day. We offer a Quotation service for £15 for which we will examine your machine and report back with an exact price for repair. If you do not wish to go ahead with the repairs then just pay the £15. However if you do go ahead then the charge is included in the minimum charge. Please note: The minimum charge covers labour, parts are extra.

Quotation service	**£15.00**
Min repair charge	**£35.25**
Courier Pickup	**£11.00**
Courier Return	**£7.00**
Same day service	**£15.00**

assembler language

This month Paul Overaa tackles the use of the ASL file requester and DOS file handling functions

Make a request

Part 4

By the end of the last instalment our program had got to the stage where a menu was available for selecting a file. The first thing we are going to do this month is incorporate an asl library file requester and, perhaps surprisingly, this is quite easy to do.

There are in fact two methods available, the most flexible using parameters passed as tag items coupled with the use of three functions.

The tag list approach begins with a call to AllocAslRequest() to allocate the main data structure for the requester. Providing this call was successful, a program can then bring up the requester by calling an AslRequest() function as many times as is necessary.

Before the program terminates a FreeAslRequest() function must be called to hand back the resources allocated by the original AllocAslRequest() call.

The requester options are specified using tag items defined in the libraries/asl.i system include file, and these allow size, position, requester text and so on to be explicitly defined.

Although setting up an asl parameter tag list is no more difficult than the window list we've already used, there are some alternative asl library functions that bring up a default sized requester and I'm going to use these because they make the code a little simpler.

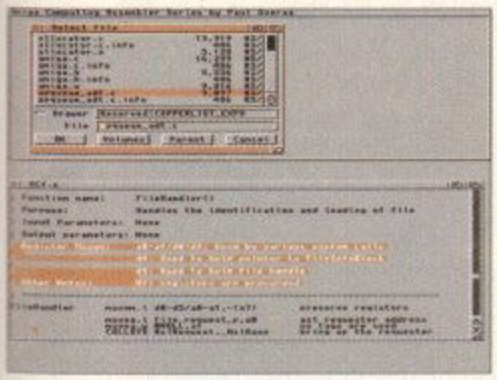
This default parameter scheme involves making a call to an AllocFileRequest() function and saving the returned requester pointer (checking the call for a successful, ie non-zero, return value). If all goes well the program can then bring up the requester by calling the AslRequest() function mentioned earlier.

Before the program terminates a FreeFileRequest() function must be called to hand back the resources allocated by the original AllocFileRequest() call.

Now the initial AllocFileRequest() allocation and the FreeFileRequest() handing back function can obviously be paired together and incorporated into our existing program's general resource allocation scheme.

You should know the format and the philosophy behind these routine pairs by now, so I'll just refer you to listing 10 and earlier instalments rather than repeat the stack function explanations again.

The file requester has to be displayed whenever the user selects the 'Select File' option. You'll remember from last month that I incorporated a dummy file handling routine that was called when this menu option was selected, so all I need to do is load registers a0 and a1 with suitable parameters and call the AslRequest() function.



The asl library makes file requester use very easy indeed

The preliminary fragment in listing 1 shows the additional instructions needed to bring the file requester to life along with tasks yet to be tackled.

COMPLEX

Easy code so far, and with this code in place the file requester certainly appears. When we start to tackle the job of extracting the filename and loading the file into memory however, things get a little more complicated and in fact the rest of this month's instalment is devoted purely to this task.

Because the file handling code, taken as a whole, could seem rather daunting, I've decided this month to go through the various steps in detail, identifying the code fragments concerned. This should make it easier to come to grips with the complete routine that you'll find on disk.

If AslRequest() returns TRUE then the rf_File and rf_Dir fields of the requester data structure will contain the name and the directory of the file selected by the user. I'll be copying these fields to a filename buffer that was defined, along with a label representing its size,as shown in listing 2.

With Devpac and most other assemblers the ds.b statements result in cleared memory being set aside. As this filename buffer may be used many times (as the user selects further files) we still need to take the precaution of clearing it before adding any new selection.

The 680x0 dbeq instruction is great for these types of tight clearing loops and the fragment in listing 3 shows the code arrangements used. Notice that the loop stops when either the buffer is full or a NULL byte is found – this prevents the loop from clearing memory that is already clear.

The next step is to copy the ASL requester directory entry to our file name buffer using another dbeq based loop, as shown in listing 4. Finally we add the filename to the directory path information that was copied to the filename buffer by using the DOS library's AddPart() function. At this ➤

last words

The various fragments I've discussed will doubtless make more sense when you view them as part of the completed FileHandler() routine that's on this month's cover disk.

If you think about how the routine works you'll realise that although any previous file buffer is de-allocated before a new buffer is installed, the routine (if successful) always returns with the file buffer for the latest file still allocated.

This code has been added as part of the higher level MenuHandler() function that was discussed last month and it works by again checking the buffer_p variable to see if a buffer exists, and then calling the FreeMem() if necessary. You'll notice that the source code is growing nicely and as well as new routines, all the additional system definitions and function LVO values required have been placed in the source.

An assembled version is also on disk but please remember that it should only be run from either a Shell window, or from the Devpac Editor's 'Run' menu option.

If you've got a Workbench 2.04 (or later) machine, try running the program and using the 'Select File' option. This will bring up the ASL file requester and from here you'll be able to select and load a file into memory.

You won't see anything at this stage but trust me, files will be being loaded. Displaying them is the next task, but for details of this you'll have to wait for the next issue!

```
FileHandler   movem.l     d0-d4/a0-a2,-(a7)     preserve some registers
              movea.l     file_request_p,a0     asl requester address
              movea.l     #NULL,a1              no tags are used
              CALLSYS     AslRequest,_AslBase   bring up the requester
              ; extract filename info and then load file into a buffer area
              movem.l     (a7)+,d0-d4/a0-a2       restore some registers
              rts
```

Listing 1

```
filename                ds.b 256
filename_SIZEOF         EQU *-filename
```

Listing 2

```
clear_filename    move.l    #filename_SIZEOF-1,do    filename buffer size less 1
                  move.l    #filename,a0             our filename buffer
.clear_loop       move.b    #NULL,(a0)+
                  tst.b     (a0)                     have we reached a NULL?
                  dbeq      d0,.clear_loop
```

Listing 3

```
              move.l      #filename_SIZEOF-1,d0     filename buffer size less 1
              movea.l     file_request_p,a0         ASL requester address
              movea.l     rf_Dir(a0),a0             get start of directory entry
              move.l      #filename,a1              our filename buffer
.copy_loop    move.b      (a0)+,(a1)+
              tst.b       (a0)                      have we reached a NULL?
              dbeq        d0,.copy_loop
```

Listing 4

```
movea.l     file_request_p,a0     ASL requester address
move.l      #filename,d1          our filename buffer
move.l      rf_File(a0),d2        ASL filename entry
move.l      #filename_SIZEOF,d3   filename buffer size
CALLSYS     AddPart,_DOSBase
```

Listing 5

```
.alloc_fib    moveq       #DOS_FIB,d1             object type
              moveq       #NULL,d2                no tags
              CALLSYS     AllocDosObject,_DOSBase
              move.l      d0,d4                   save pointer to fib
              beq         .error0
```

Listing 6

```
move.l      #filename,d1        filename start address
move.l      #MODE_OLDFILE,d2
CALLSYS     Open,_DOSBase
move.l      d0,d5               save file handle for closing
beq         .error1
```

Listing 7

```
move.l      d5,d1
move.l      d4,d2
CALLSYS     ExamineFH,_DOSBase
tst.l       d0                        ExamineFH() OK?
beq         .error2
```

Listing 8

```
move.l        buffer_p,a1
beq.s.        no_buffer                 is a buffer still allocated?
move.l        buffer_size,d0
CALLSYS       FreeMem,_AbsExecBase      free allocated buffer memory
move.l        #NULL,buffer_p            clear buffer pointer
```

Listing 9

```
AllocFileReq    movem.l     a0-a1/d0-d1,-(a7)          preserve regs
                CALLSYS     AllocFileRequest,_AslBase
                move.l      d0,file_request_p          save returned pointer
                beq.s       .error
                move.l      #FreeFileReq,-(a5)         push deallocation address
.error          movem.l     (a7)+,a0-a1/d0-d1          restore regs
                rts

FreeFileReq     movem.l     a0-a1/d0-d1,-(a7)          preserve regs
                movea.l     file_request_p,a0          requester to close
                CALLSYS     FreeFileRequest,_AslBase
                movem.l     (a7)+,a0-a1/d0-d1          restore regs
                rts
```

Listing 10: Preparation and dismantling of the asl file requester is easy and fits nicely into our established resource allocation framework

```
.no_buffer    move.l      d4,a0                 file info block address
              move.l      fib_Size(a0),d0       size of selected file
              move.l      d0,buffer_size        store identified size
              move.l      d0,d3                 needed for Read() call
              moveq       #MEMF_ANY,d1          any memory will do
              CALLSYS     AllocMem,_AbsExecBase
              move.l      d0,buffer_p           did we get any memory?
              beq.s       .error2

              move.l      d5,d1                 file handle pointer
              move.l      d0,d2                 buffer_p from AllocMem()
              CALLSYS     Read,_DOSBase         copy file into memory
```

Listing 11: Code which performs memory allocation of the file buffer and file loading

So many things can go wrong

On a good day library functions do not fail and when everything works the filehandler routine just has to close the file, free the FileInfoBlock structure that it allocated, and return like this:

```
.normal_exit  move.l      d5,d1                 file handle pointer
              CALLSYS     Close,_DOSBase        close file
              moveq       #DOS_FIB,d1           object type
              move.l      d4,d2                 fib pointer
              CALLSYS     FreeDosObject,_DOSBase free fib
              movem.l     (a7)+,d0-d5/a0-a1     restore registers
              rts                               normal exit
```

On not so good days, for example when system memory is being heavily used by other programs, many library function calls can fail – hence the need for checking return values.

The various error labels seen in earlier code fragments cause a path to be taken that leads to duplicated sub-sections of the above code that firstly only free/close things that had been successfully acquired or opened, and secondly make a call to the Intuition DisplayBeep() function before returning.

This means that any error conditions that result in the file not loading will cause the screen display to flash, thus indicating that the file could not be loaded.

```
.error2     move.l      d5,d1
            CALLSYS     Close,_DOSBase          close file
.error1     moveq       #DOS_FIB,d1             object type
            move.l      d4,d2                   fib pointer
            CALLSYS     FreeDosObject,_DOSBase  free fib
.error0     move.w      #NULL,a0                flash screen to show error!
            CALLSYS     DisplayBeep,_IntuitionBase
            movem.l     (a7)+,d0-d5/a0-a1       restore registers
            rts                                 error exit
```

➤

point we will have built a complete path/filename string that can be used to open the file – see lising 5.

Quite a bit of work still needs to be done and the next step is to attempt to open the file and determine its size. To do this we need to allocate some memory for a structure called a FileInfoBlock (defined in the dos.i system file).

There are a number of ways of doing this but the modern way is to use the dos library's AllocDosObject() function loading the dos.i defined value DOS_FIB into register d1 to signify that we want to create a file info block.

REGISTERS

I've chosen to store the returned pointer in register d4, a non-scratch register (i.e. one that isn't affected by any library calls) so the resulting allocation code looks like listing 6.

File opening uses the dos Open() function and, as with all library functions, it's just a matter of loading the required parameters, using the CALLSYS macro to generate the library call code, and collecting the result (usually in d0).

The file is only going to be kept open long enough to read and copy it into memory, so again I've chosen to store the returned file handle in a register (d5) as shown in listing 7.

The dos library now provides a function called ExamineFH() that loads information into a file info block for a file specified by a file handle, i.e. the value returned by the Open() function.

The function needs to be called with the file handle and FileInfoBlock pointer in registers d1 and d2 respectively and, to be safe, the return value should also be tested for success (it should be non-zero) – see listing 8.

At this point a potential snag is looming because we are ready to allocate some buffer memory for loading the file, but a buffer may already have been allocated (if the user had previously selected and loaded some other file).

The way I've tackled this problem is simple – we look at the contents of the variable which holds the address of the file buffer (called buffer_p) and if this is non-zero then a buffer exists and must be de-allocated before the buffer for the new file is created.

For this scheme to work it is necessary to clear the buffer_p variable whenever a buffer is freed. Listing 9 shows part of the routine which does this job.

With this done we can extract the file size from the file info block, use the Exec AllocMem() function to allocate a buffer large enough to hold the specified file, and then use the dos library's Read() function to read the whole file into memory. Listing 11 shows the completed section of code that performs these operations. AC

CRAZY DISK PRICES!! GUARANTEED

GREY-TRONICS LTD

LOWEST PRICES | BEST SERVICE | RAPID DELIVERY

SALES FREE CALL 0500 737 800

SALES HELPLINE 081 686 9973 / 081 781 1551

DISKS DISKS DISKS + LOCKABLE BOXES

100% CERTIFIED ERROR FREE

	Grade A	Grade B	
50 3.5" DS/DD	£20.00	£16.50 + 100 cap lockable box	Add £4.00
100 3.5" DS/DD	£32.00	£25.00 + 100 cap lockable box	Add £4.00
150 3.5" DS/DD	£49.50	£38.00 + 2 x 100 lockable box	Add £8.00
200 3.5" DS/DD	£64.00	£48.00 + 2 x 100 lockable box	Add £8.00
300 3.5" DS/DD	£94.50	£69.00 + 3 x 100 lockable box	Add £12.00
400 3.5" DS/DD	£120.50	£92.00 + 4 x 100 lockable box	Add £16.00
500 3.5" DS/DD	£135.00	£110.00 + 5 x 100 lockable box	Add £17.50
1000 3.5" DS/DD	£250.00	£205.00 + 10 x 100 lockable box	Add £30.00

FREE LABELS + FREE DELIVERY BY PARCEL FORCE

3.5" DELUXE LOCKABLE BOXES

40 Capacity £3.50
100 Capacity £3.99
Add £3.10 P&P

3.5" STACKABLE BOXES

100 Cap Addup £7.99
80 Cap Banx Boxes .. £7.99
Add £3.10 P&P

AMIGA CD32

6 GAMES PACK: MICROCOSM, CHAOS ENGINE, OSCAR, DIGGER, DANGEROUS STREET, WING COMMANDER

£232.99

FREE DELIVERY

SX1 Modular Expansion	£187.99
Keyboard for CD32	£36.99
Competition Pro Pad	£15.99
CD32 to Scart	£11.99
CD32 to Amiga 1200	£39.99
Disk Drive for CD32	£48.99
100 games	£19.99
CD32 Lens Cleaner	£9.99

Add £2.00 p&p

AMIGA 1200 PACKS

FREE 4 GAMES WITH ALL PACKS

RACE 'N' CHASE
Nigel Mansells + Trolls
£289.99

COMBAT PACK
£319.99
Wordworth, Print Mgr, Personal Paint IV, Day by Day, Total Carnage, Brian the Lion, Zool 2

ADD £10 for 10 Disks, Mouse mat, Joystick, Disk Cleaner, 40 Cap lockable box

£309.99 | £339.99

FREE Mouse mat - Disk Cleaner - Joystick
Syndicate, Chaos Engine, Nick Faldo's Golf, Pinball

85Mb	£429.99	85Mb	£475.99
127Mb	£475.99	127Mb	£524.99

Authorised Dealers – 1yr. at home service FREE DELIVERY

AMIGA 600

FREE JOYSTICK

Zool Pack + Photon Paint + GFA Basic v3.5

£194.99

STARTING PACK £14.99 For: 10 Disks, Mouse Mat, Microswitch Joystick, 40 cap. Storage Box, Disk Cleaner. Add £3.20 p&p

1st Come 1st Served | CD Rom for A1200 available £189.99 | HURRY

SMART BUY

THE NEW ZAPPO SMART STOR

Provides games and data portability to the A600 & A1200. Simply plug it into your PCMCIA slot and you will have all your data and games handy anywhere.

30Mb	£159.99	170Mb	£224.99
130Mb	£199.99	210Mb	£244.99

ROMBO VIDI AMIGA 12RT £145.00
ROMBO VIDI AMIGA 24RT £220.00

Capture from any video source true realistic images. Full AGA chipset support

ACCESSORIES

3.5" Disk head Cleaner	£2.99
Mouse Mat	£2.25
1000 Labels	£6.99
Amiga Disk Drives (Cumana/Amitek/Zappo)	£54.99
Manhattan Mouse Amiga/Atari	£12.50
Universal Printer Stand	£4.99

ADD £2.00 FOR DELIVERY

AMIGA CABLES

Amiga to TV Scart	£10.99
Amiga to Sony TV	£10.99
Amiga to Amiga	£10.99
Modulator overhang lead 23M/23F	£11.99
Python 1M Joystick	£8.75
Maverick 1M Joystick	£10.99
Technoplus Control Pad	£7.99
Joystick Splitters (2)	£5.99
Joystick Extension Lead 10ft	£5.99
Printer Lead	£4.00

DUST COVERS

Amiga 1200/500/500P/600	£4.00
Commodore/Philips monitors	£4.00
Star/Citizen/Panasonic Printers	£4.00

INKJET CARTRIDGES & REFILLS

HP Deskjet Black Dual Capacity Cartridge	£22.99
HP Deskjet Black Dual Capacity Refill	£15.99
HP Deskjet 500 C Colour Cartridges	£25.99
HP Deskjet 500 C Colour Refill	£16.99
Canon BJ 10e/ex Black ink Cartridges	£16.99
Canon BJ 10e/ex Black ink Refill	£9.99

Add £2 for Delivery

PRINTERS

Panasonic 2135 24 pin Colour inc. sheet feeder	£159.99
Panasonic 2023 24 pin mono	£149.99
Panasonic 1150 9 pin mono	£119.99
Panasonic KXP 4400 LED page printer	£429.99
Canon BJ10SX ink jet	£179.99
Canon BJ200 ink jet	£229.99
Canon BJ600 colour	£449.99
Citizen ABC 24 pin colour	£159.99
Citizen Swift 200 24 pin colour	£179.99
Citizen Swift 240 24 pin colour	£218.99
Citizen Project II Inkjet	£214.99
Hewlett Packard 310 colour	£249.99
Hewlett Packard 310	£224.99
Hewlett Packard 520	£249.99
Hewlett Packard 560 colour	£437.99
Star LC100 9 pin colour	£129.99

Add £10.50 for (Word Processor or Ribbon) dust cover, printer stand, 500 A4 paper when purchased with printer

MONITORS

Microvitec 1438 (Free speakers)	£294.99
Philips 8833	£219.99
Sharp TV/Monitor	£169.99
Commodore 1084S	£194.99

TOP QUALITY RIBBONS

	Black Branded	Black Compatible	Colour Branded
Panasonic KXP1124/1123/1180/1080	8.50	3.30	N/A
Panasonic 2123/2180	8.15	4.00	15.45
Citizen 120D/Swift 9/24	N/A	2.70	13.60
Citizen Swift 90/200	N/A	2.70	13.60
Star LC10/20	N/A	2.95	10.99
Star LC200	N/A	3.50	12.30
Star LC 2410/24200	N/A	3.50	12.50
Epson LX400/LQ100	N/A	4.00	N/A

Add £2 for Delivery

HOW TO FIND US



ALL PRICES INCLUDE VAT & DELIVERY (unless otherwise stated). Delivery within 3 days (UK MAINLAND ONLY).
ADD £8.00 FOR NEXT DAY DELIVERY CALL OR SEND CHEQUES/POSTAL ORDERS TO:

GREY-TRONICS LTD, UNIT 1015 WHITGIFT CENTRE, CROYDON, SURREY CR0 1UU

SALES HELPLINE: 081-686 9973 Mail order prices only FAX: 081-686 9974

All offers subject to availability. E&OE. Prices/Pack details may change without notice due to currency fluctuations. Please allow 6 working days for cheques to clear.

ACCESS | VISA | SWITCH

U.K. & INTERNATIONAL DELIVERY SERVICES – (BFPO ORDERS WELCOME + SURCHARGE)

LAND | AIR | SEA

Reams of

The hype surrounding CD-ROM has often focused on expensive games. Dodgy interactive dramas replete with ham acting and flashy looking arcade action concealing poor game-play has probably left many thinking: "What's the fuss ?"

Happily, there's a wide choice of more serious products available that are surprisingly successful despite not costing an arm and a leg. The Amiga enthusiast would do well to consider some of the options available.

With its obvious advantages in terms of storage space, serious CD-ROM tends to offer excellent value for money. Each of the disks covered in this feature, for example, contain so many files and applications that initially they can be daunting.

The software covers a wide range of applications. The image and font libraries can store thousands of memory-consuming images that can be used for anything from simple Workbench backdrops to Multimedia presentations.

There are sound libraries which can be used by both the musician or the video-maker who wishes to add sound effects to a film. Networking tools, Amos related files and the Fred Fish collection are just a few of the other possibilities available.

Of course you'll need a CD-ROM drive to run these titles, but with the advent of the Zappo for the A1200 plus various hardware options for the A4000, users can get a good CD drive at a third of the cost of an equivalent 600MB HD.

Weird Science Clip Art/ Fonts



Image formats: B&W IFF Bitmap, Coloured IFF Bitmap, Proclips,EPS, Pagesetter, Pagestream, IMG, Corel DRaw

Font formats: Adobe, CG, Bitmap, IFF & Coloured, Postscript, Pagestream, Prodraw, Truetype, PCX, Calamus, GDOS



More pictures are available on Weird Science's Clip Art collection, with 26,000 files covering hundreds of subjects. In fact, the makers claim its the most comprehensive collection of Clip art ever.

Black and white bitmap images and coloured images are provided in IFF format. Many of the Bitmap designs are disappointing, not because they are simple but because they are poorly drawn.

Despite this there are others that are useful. The coloured images are of a better standard, with the nature pictures standing out as some of the best. The maps could also be useful.

There are images in separate directories for Proclips, Pagestream and Pagesetter. What's more, the collection of brushes is a valuable addition for DPaint users to play around with.

Once again, then, its rather a mixed bag as far as quality is concerned, but considering the price it represents excellent value for money.

As you'll be expecting now, there are thousands of files on offer, and they are arranged in easily accessible subject libraries. All the fonts are ready for use.

Designs range from the standard fonts to the more unusual, including holey swiss cheese characters or horror designs dripping in gore.

Unfortunately, many of the fonts look rough round the edges and are not up to the job of professional presentations. But then at this price there's a limit to what you can expect.

Clip Art & Fonts CD

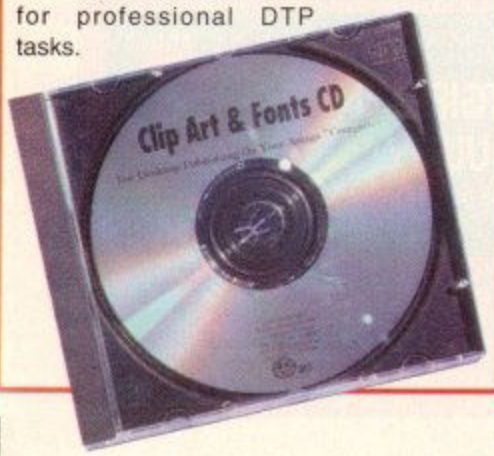
Formats: 600Mb+ of EPS, IFF and PCX Clip art. Adobe and PSFonts

Targeted for desktop publishing uses on the Amiga, this is an excellent source of material for all sorts of documents. General purpose files include pre-designed borders ranging from simple outlines to ornate patterns.

Specific needs are also catered for. For example, there is a choice of well-drawn menu headers that could be used by café or restaurant owners.

The selection of black and white illustrations is of a higher than average quality, and many of them could be used to give leaflets and newsletters a professional touch.

There is also a huge amount of Adobe and PSfonts available which can be used for professional DTP tasks.



The Professional Fonts and Clip Art

This is an alternative to the two Weird Science CDs, combining fonts and images in one for the benefit of the serious DTP user. It differs in that it offers GIF and Jpeg images.

This makes it more suitable for professional users, but not so useful for making the parish newsletter. Obviously, an expensive printer would be required to produce documents with these high resolution colour images.



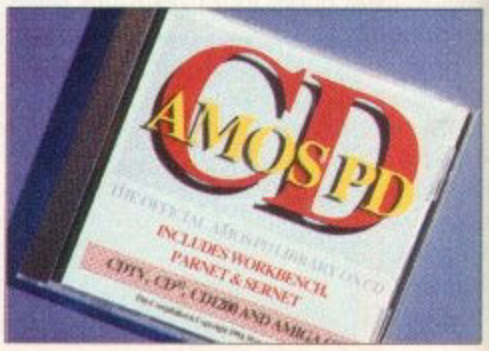
Picture subjects covers a reasonable amount of categories and they are generally good quality, but there's not as much to choose from as with Weird Science's Clip Art.

As far as fonts are concerned, there's 320Mb worth of Adobe, Compugraphic and True Type fonts available, so the serious DTP user is again well catered for.

Amos PD

Amos, for anyone that doesn't know, is a dedicated creation system for producing Amiga programs. This CD is the official Public Domain Library of Amos related software.

With the entire PD library available, the disk offers good material for the Amos user and is also a source of help and tuition. Thankfully its all catalogued for easy accessibility. Provided with the CD are Amos source codes, sprite banks, Ctext banks, sound samples and numerous music banks. Parnet and Sernet are also included to allow material to be transferred from the CD32.

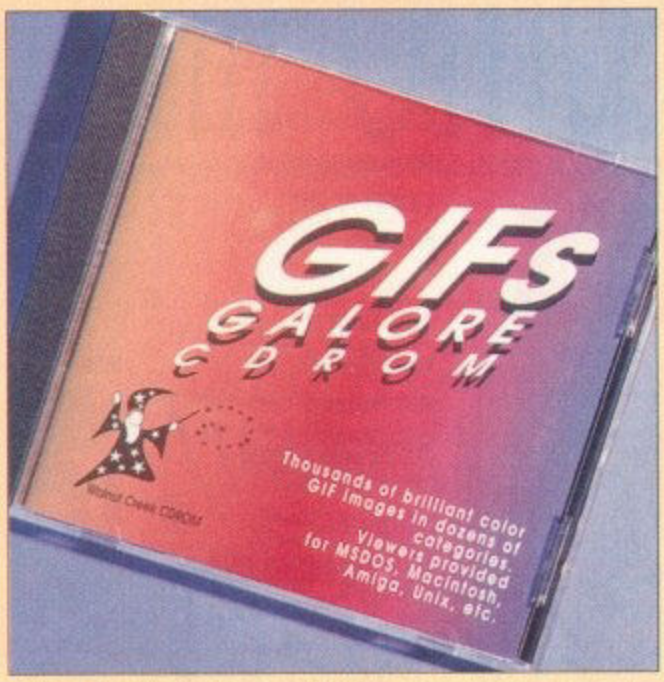


ROM

There is now an abundance of CD-ROM titles available containing libraries of images, sounds and utilities. Gareth Lofthouse takes a look at what's on offer.

Gifs Galore

Image format: Gif



This CD contains over 5000 full colour images along with a viewer for the Amiga allowing you to see them. Grouped into dozens of categories, the choices include images of aviation, cartoon, clip art, raytrace and even vietnam.

There is a combination of high definition pictures and basic hand-drawn designs, the latter being more useful to owners of less powerful Amigas and printers.

The quality varies wildly from the impressive to the ludicrously inept – perhaps not surprising considering the breadth of choice offered.

For those looking for a comprehensive source of images, there should be more than enough quality material on this CD to satisfy your needs. There's also a selection of Bay Watch types in swim-suits – not that you'd be interested in that!

Unfortunately, our copy had a fault with the View Tech which meant that as soon as images were rendered they'd vanish from the screen. The problem was resolved by using AD-Pro, but this bug seriously needs fixing.

3D Volume 2/Avalon

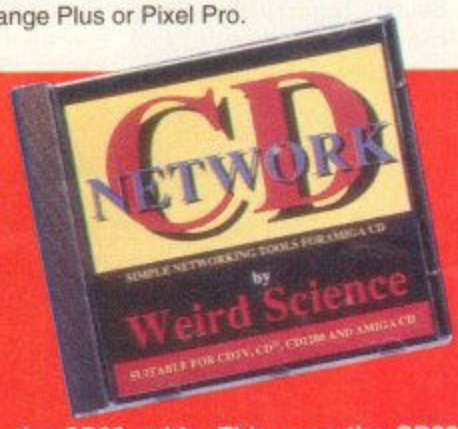




Syndesis' second 3D volume received high praise when it was reviewed last month by Stevie Kennedy. Though more expensive than the other products in the round-up, its high quality images represent great value for Lightwave and Imagine users. With 202 models to choose from, the CD offers an alternative to the laborious process of creating them yourself. Furthermore, they are all easy to use and require only a little editing to fit into any scene.

The Avalon CD, unfortunately, is much less consistent when it comes to quality and will be of little interest to people who don't own InterChange Plus or Pixel Pro.

Network CD



Intended as a simple networking tool for the Amiga, this product contains over 36,000 files of freely distributable or shareware software.

Using it you can connect a CD32, CDTV, CD1200 or an A570 to another Amiga and access software on any of your CDs from the other machine.

This is possible because the Network CD disables the automatic reset function on your CD machine. The result of this is that you'll be able to use the CD machine as a remote storage device for your master Amiga.

To connect the machines you'll need the CD32 cable. This uses the CD32's AUX socket and includes a keyboard pass through, which means that FMV or SXI add-ons can still be connected.

As a bonus, the CD also includes Fish 800 to 975, the latest Amos disks, a collection of images and lots of utilities.

What does it all mean?

As has already been stated, as there are no instructions to speak of, these CDs make few allowances for the beginner. So here's a brief explanation of the jargon.

To start with the image libraries, different types of images are saved in different types of formats on the Amiga:

IFF: This is the standard format for images on the Amiga. Most will be 24-bit.

GIF: A viewer is needed to look at GIF images. This is not ususally a problem since most of the CDs include the right viewing software.

If you don't have the right viewing software, you may need an image processing package such as AD Pro, Image FX or Imagemaster which will convert this sort of image for the Amiga. However, these don't come cheap.

Jpeg: These are 24-bit compressed images, the advantage being they take up less memory space. As far as viewing is concerned, many CDs will provide software such as Fast Jpeg.

EPS: These images must be loaded into a DTP package (see below) for use. Well known DTP software includes Page Setter, PageStream and Pro Page.

Bitmap: These images are black and white. Some use cross-hatched shading, a form of dithering which gives extra definition.

Adobe Fonts/PS Fonts: These are Postscript fonts that can be converted to other packages such as DTP software. Furthermore, you can import Adobe type 1 fonts into Ray Tracers that will allow you to alter the appearance of characters with effects like extrusion.

DTP: Stands for Desk Top Publishing. DTP software is designed for text and image manipulation, making it possible to create magazine style layouts for documents.

As with the CD image libraries, the sound CDs will often include software that allows the sounds to be heard. Opus Directory includes this facility as well.

Modules: These are whole pieces of music. However, samples can be ripped from them using sound processing software such as Audio Engineer or Audition 4, which is a sample editor. Med and Octamed also include their own "rippers".

Basically, the way these work is that the sounds from the module are stored in RAM. The musician can then order up the sound editor, grab a particular sound from the piece and then edit it together with other samples or music.

Samples: These are snippets of sound extracted from film sound-tracks and music pieces.

CDPD IV/Aminet III

This is the latest version in the well respected CD public domain series, its aim being to offer the most up-to-date utilities for the Amiga. For starters, it contains the latest Fred Fish disks, an ocean of programs in itself.

The King-Fisher database that comes as part of Fish is a life-saver. Designed for the maintenance and perusal of Fish, it provides brief descriptions helping you find what you need in what might otherwise be an overwhelming choice of utilities.

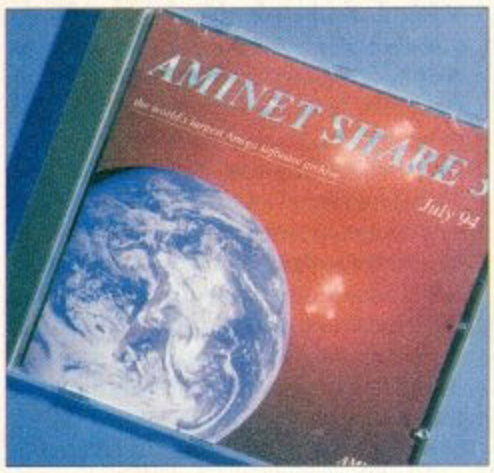
We can only scratch the surface of the library, but the utilities range from Spreadsheet tools like FHSpread to archiving systems and untold numbers of demos.

Other examples of what's on offer are the Five Star betting prediction tool, the popular KCommodity, Mach V, which is a hotkey/macro multi-purpose utility and Fractal generators.

As if this wasn't enough, CDPD has utilities outside the Fish collection such as music modules and Persistence of Vision, a complete raytracing system, along with objects for Imagine. There's also 350 Bitmap and 410 PostScript fonts.

An alternative that's been out for a while now is Aminet 3. Again you get lots of Fish utilities plus pictures and animations, along with over 200 games for when you want to relax.

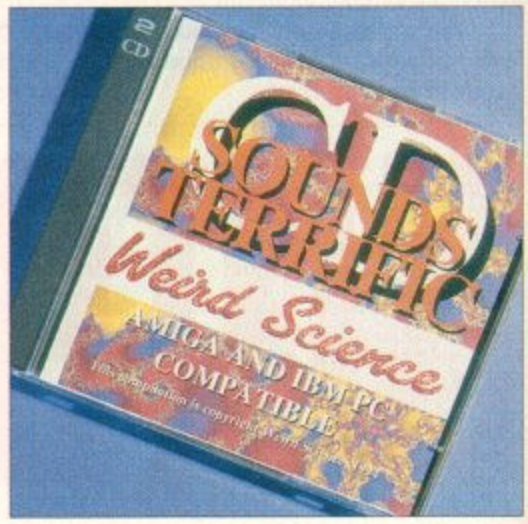
Overall, both packages are comprehensive all-rounders with lots to offer the enthusiast.



At a glance

Title	Supplier/distributor	Value	Quality	Price
Gifs Galore	17th Bit Software	8	7	£19.99
Clip Art and Fonts CD	" "	9	9	£19.99
Professional CD	" "	8	8	£19.99
CDPD IV CD	" "	10	8	£19.99
Network CD	" "	7	8	£14.99
Amos PD	" "	8	8	£19.99
WS Clip Art	Weird Science	9	8	£9.99
WS Fonts	" "	8	7	£9.99
Sounds Terrific	" "	10	8	£19.99
Aminet III	PDSoftware	10	8	£19.99
3D Vol 2	Syndesis Corp	9	9	£65
3D Avalon	" "	7	7	£32 approx

Sounds Terrific



Sample Formats: IFF,WAV and VOC

This is a double CD pack that aims to be a vital source of sounds for both the non serious user and the musician. With over 1.2 Gigabytes of music and sound data on offer, there should be something to interest anyone.

One disk is composed entirely of music modules. This source of premade music is a mixture of original compositions and rip-offs of well-known tunes and songs.

As you might expect, House and Electronic pieces work more convincingly than the attempts at Rock or Classical. Wagner's Ride of the Valkerie stood out as a hilariously feeble imitation and will surely have the composer's corpse turning in his grave.

Despite this, there are plenty of good quality pieces to be used with sound editing systems to create presentations. Musicians can also steal samples from within the modules.

The other disk includes Sonix Scores, Midi Files, and samples in most of the required format, as well as all the converters that are needed to use it with different utilities and applications.

Messing with the sound samples is fun in itself. There are famous snippets of speech from the likes of Top Cat or The Muppets and the inevitable samples from Dr. Who and Star Trek. More useful are the samples of jet and car engines, explosions, gun-fire and so on. Some of these are of a high enough standard to use in video film.

As a package that caters both for simple fun and serious uses at the same time, Sounds Terrific is highly recommended, especially when you consider that even games can cost twice as much.

Using the CDs



A fault of all the CDs in the round up was that they contained virtually no instructions on how to use the products. This is a serious failing since the beginner doesn't necessarily know how to view the images or hear the samples.

The easiest way of inspecting a file is with a directory manager like Directory Opus which includes facilities for showing pictures and playing sounds. If you don't have such a tool, most of the CDs thankfully include viewing or playing software.

Unless the CD has a good contents guide, a directory manager would also prove invaluable when it comes to finding particular material. Otherwise, hours could be spent sifting through thousands of files in an attempt to find the right one.

Many of the programs that come with the utility libraries stand on their own. To make the best of the sound and image collections, however, sound processing or image processing software could be useful.

Contacts

17th Bit Software
Tel: 0924 366982 Fax: 0924 200943.

Weird Science
Tel&Fax: 0116 234 0682.

PDSoftware
Tel: 0702 466933

Syndesis Corporation
Tel: 0101 414 674 5200

mini Office

THE PERFECT ALL-IN PACKAGE FOR YOUR HOME OR BUSINESS

FIVE MODULES FOR JUST £59.99!



- A professional **WORDPROCESSOR** with powerful graphics capabilities and a 50,000 word spell checker. Ideal for a wide variety of correspondence and official documents.
- A versatile **DATABASE** which is simple to use and powerful enough to deal with anything from basic address book functions to club membership lists and business records.
- A flexible **SPREADSHEET** with more than 50 functions, simplifying the most complex domestic monthly budgets or commercial cash flow forecasts.
- A supremely friendly **DISC MANAGER** to make using your Amiga as painless a task as possible.
- Incredible **GRAPHICS** with more than 18 types of graphs and charts available to brighten up your presentations or make your month by month financial situation as easy to appreciate as possible. You can even make use of eye-catching 3D effects!



Wordprocessor: Compose a letter, check your spelling with the 50,000 word dictionary, mailmerge details from a database file, add graphics, wrap text around it, load ASCII text, highlight with bold, italic and underline... and more!



Database: Build up a versatile card index, incorporate up to 50 fields with 70 characters each, use search and replace to modify data, do powerful multi-field sorting, perform arithmetic functions... and more!



Spreadsheet: Prepare budgets or tables, alter column widths, insert or delete columns, cut and paste data, lock blocks, choose from over 50 functions... and more!



Graphics: Enter data directly or load from the spreadsheet or database; produce pie charts with exploded segments; display bar charts side by side or stacked; overlay your graphs on an imported IFF picture; add a 3D view; add text or lines... and more!



Disc Utilities: Avoid the confusion of Workbench, create bootable files, format discs, copy files from disc to disc; make directories; delete and rename files, make multiple copies of your discs... and more!

europress SOFTWARE

Europa House, Adlington Park, Macclesfield, Cheshire SK10 4NP, Tel: 0625 859333

Mini Office works on all Amigas with 1 megabyte RAM, can read Amiga IFF files and for US users, fully supports the NTSC standard.

£1.00 PER DISK FOR 25 OR MORE DISKS!

EST. 1991

PSD

THE PROFESSIONAL STANDARDS FOR DISTRIBUTION ENDORSED BY COMMODORE UK

A600/A1200 *IF YOU OWN AN A500+, A600 OR AN A1200, THEN OWN A COPY OF* **KICK 1.4 EM400**

DELTRAX PD

Tel/Fax: 0492 515981

FOR THE VERY BEST IN PD & SHAREWARE FOR AMIGA & IBM PC

A600 OWNERS GET NUMPAD EM397 TO GET MORE PROGS WORKING



CENTRAL LICENCEWARE

£1.00 PER DISK FOR 25 OR MORE DISKS!

EST. 1991

UTILITIES

- U1 **GHOSTWRITER** Demomaker, easy to use
- U1A **GHOSTWRITER DATA** For use with U1
- U42 **DISK SALVAGE DIR-UTIL** Repairs disks
- U58 **ANTI FLICKER** Stop Screen flicker
- U59 **WINDOWS BENCH** (2 disks) Excellent for W.B. 1.3
- U60 **MESSY SID II** Dir-tool Amiga to PC
- U91 **MCAD DEMO** Computer aided design
- U95 **ELECTROCAD DEMO** Latest circuit design
- U125 **CROSSDOS** Amiga to PC
- U183 **HACK PACK** (2 Disks) 72 Utils for code busters
- U190 **SID V2.0** Dir tool, excellent
- U230 **INSTALL** Install your disks without the CLI
- U282 **SUPER C DIR TOOLS** Fast use of C
- U318 **MULTIDOS** PC>Amiga
- U320 **CLI-UTILS** Very useful
- U323 **WINDOWS BENCH V2.0** (2 disks)
- U332 **ASSASSINS HANDY TOOLS V3.0**
- U346 **PROF DEMO CREATOR V1.1**
- U349 **SUPER POWER PACKERS**
- U352 **STD CODE FINDER U.K.**
- U399 **TOGGLE CLICK** A600/A1200 only-Stops drive click
- U404 **ENGINEERS KIT** Diagnostic tools
- U408 **TOOLS FANTASTICA**
- U412 **LYAPUNOVA** Picture generator
- U413 **ARESTAURE** Mends deleted files
- U414 **FAST INTRO MAKER**
- U415 **P-COMPRESS** Packer
- U416 **S-TEXT** Text packer
- U423 **LYAPUNOV** Fractal generator
- U424 **ICON AUTHOR** If images for icons
- U425 **AUTOSAVE** Save at intervals automatically
- U426 **EASY BENCH** (2 disks) WB2 and above
- U427 **MENU MASTER 3**
- U428 **PARNET** (2 disks) Link two Amigas
- U430 **XPK COMPRESSION UTILS**
- U431 **WB2 UTILS**
- U433 **AMOS PRINTER ROUTINE** For Amos progs
- U434 **V MORPH v 2B** Create great effects
- U435 **BANNER** Make your own
- U436 **HEAD CLEANER** For drives
- U437 **DISK SALV 2** Latest & greatest! WB2 & above
- U438 **CSH SHELL v 5.31** Easy to use
- U441 **DISK MASTER III**
- U443 **PP SHOW v 3.4a**
- U444 **HYPER** use with Amigaguide
- U445 **AMIGAGUIDE (2 disks)** Hypertext utility
- U446 **All v1.35** for archivers
- U447 **ADOC v3.01** help utility
- U448 **DISKTEST v2.03** checks integrity
- U449 **SOFTPROJECT** write protection
- U450 **SUPERDARK v1.2** screen blanker
- U451 **APRF v1.4** print utility
- U452 **GLHARC v1.1** for CLI based archivers
- U453 **LANDBUILDER v3.2** Fractal land gen
- U454 **PC>AMIGA** file utility
- U455 **TRONICAD** electronic circuit design
- U456 **X-BENCH** (2 disks) replacement W.B.
- U457 **ROT-3D** drawing package
- U458 **SNOOPDOS** get progs working
- U459 **T.S. MORPH**
- U460 **AREXX GUIDE**
- U461 **DEANS CRUNCHERS**
- U462 **ASSASSINS FIX DISK 1**
- U463 **ASSASSINS FIX DISK 2**
- U464 **AF'S REPLACEMENT WB** (3 disks) not A1200
- U465 **T.A.C.K.** Anim. Const. Kit
- U466 **T.A.C.K.** Music Modules
- U467 **T.A.C.K.** Background Pics
- U468 **ZIPBENCH** (2 disks) not 1200
- U469 **SUPERVIEWER V2.4** Slideshow util.
- U471 **MINIMORPH**
- U474 **SPICE 3** Circuit Analysis
- U475 **SHUT UP v1.2** Stop Drive Click WB 2.04/3
- U476 **RUSH DIRECTORY** Utility
- U477 **SOLDERING DISK** Learn how
- U478 **ASSASSINS WORKBENCH UTILS** WB 2/3
- U479 **TWIN EXPRESS** (2 disks) Link Amiga to PC
- U480 **CATALOGUE 3** Good Cat. util.
- U481 **POLYED** Polygon editor 3D shapes
- U482 **MANDELPLOT** Mandelbrot generator
- U483 **ICONSPLUS 1** WB2+ – W.B. Icons
- U484 **ICONSPLUS 2** WB2+ – Good utils
- U485 **ICONSPLUS 3** WB2+ – More utils
- U486 **MAGNUM v1.7** – Disk Mag creator
- U487 **RUSH WB2+** Directory util
- U488 **DMS DEVICE MASHER** crunches all files

BUSINESS

- BU86 **JOURNAL** Accounts, simple to use
- BU96 **AMIBASE V3.76** Database
- BU104 **BANK'N** Cheque account
- BU105 **AMICASH BANKIN** Accounts
- BU106 **Q BASE & SPREADSHEET** Addresses
- BU109 **VISICALC SPREADSHEET** Like Lotus 123
- BU111 **ANALYTICALC** * (2) Spread-sheet, powerful
- BU112 **FLEXIBASE V2.0** DBase
- BU124 **BUSINESS CARD MAKER**
- BU126 **SCALC & WORDWRIGHT** Spreadsh. proc.
- BU129 **WORDWRIGHT & SPELL** W/proc and check
- BU131 **U-EDIT W/PROCESSOR**
- BU132 **TEXTPLUS W/PROCESSOR**
- BU133 **600 BUSINESS LETTERS** Just load 'em in
- BU135 **AMIGAFOX DTP V1.1** Puts pics with text
- BU136 **AMIGASPELL** Spellchecker
- BU137 **WORD FRENZY-QBASE & SPELL**
- BU138 **AMIGAFOX V1.0** W/Processor
- BU145 **TEXT ENGINE V4.1** W/Processor latest
- BU152 **AMIBASE PROF II V1.2** D/Base
- BU158 **MICROGNUEMACS** Text editor
- BU162 **A-Z SPELL** Spellchecker
- BU171 **ILLINOIS LABEL PRINTING**
- BU172 **INVOICE PRINTER**
- BU186 **CLERK V4.0** Accounts – latest
- BU204 **MAIL-O-DEX** Mail Database
- BU212 **LABEL DESIGNER**
- BU231 **SPELLCHECK V1.2**
- BU248 **CHECKBOOK ACCOUNTANT** Very good
- BU251 **BUDGET V1.3-4** Finances
- BU254 **SUPERSPELL** Global spell check
- BU301 **FORMS UNLIMITED** Loads
- BU304 **P SUITE V1.4**
- BU314 **P WRITER** Text editor
- BU324 **WORDPOWER** Thesaurus
- BU326 **ADDRESS BOOK**
- BU327 **BOILER PLATE** W/Processor & Bus. letters
- BU328 **LITTLE OFFICE** WP, S/S, D/B + Graphix
- BU329 **MORTGAGES ANALYSER**
- BU330 **PRINT A CARD** Design
- BU332 **AMIGA MAIL** Address lists
- BU334 **PC FORM LETTERS**
- BU335 **PAY ADVICE ANALYSER v3.0** P.A.Y.E., N.I. etc
- BU336 **MONEY PROG** * Good accounts
- BU337 **CHEQUE BOOK** Accounts prog
- BU339 **D LAB** Disk labeller
- BU340 **LOSINFO** Phone bills for modem
- BU341 **EASYCALC** New spreadsheet
- BU181 **B BASE III** Database
- BU319 **ORDER v1.7** Database
- BU342 **LS LABEL** Label print
- BU343 **DATABASE WIZARD**
- BU398 **ADDRESS PRINT v3.0**
- BU399 **TEXTPLUS v5.01** Hard Drive only - latest
- BU400 **ENVPRINT** Address envelopes
- BU401 **P.E. PRINT UTILS** Labelling progs
- BU402 **TRUE ED** Excellent editor
- BU403 **FTX ACCOUNTS**
- BU404 **ACCOUNT MASTER 2.12**
- BU405 **TURBO TEXT v1.1** very impressive w.processor
- BU406 **ADM v1.01** Flexible address d'base
- BU407 **A-BASE** Great database
- BU408 **GOLD ED** (2 disks) Fully functional - fantastic!
- BU409 **FH SPREAD** - New spreadsheet
- BU410 **BUDBASE v1.2** Easy to use d'base
- BU411 **EASYCALC PLUS** Good spreadsheet WB2+ only
- BU412 **AMIGABASE** Excellent database
- BU413 **BANK v1.0** Accounts programme
- BU414 **INVENTORY II** Stock control & wages
- BU415 **AMIGA DIARY v1.13**
- BU416 **PAYROL**
- BU417 **EASYPRINT** (1.3 only)
- BU418 **PERSONAL ADDRESS BOOK** (Password)
- BU419 **PERSONAL JOURNAL** (Secret Diary)
- BU420 **WOMBLE VOL 1** Database etc.
- BU421 **ON FORM v1.1** Invoice/Order printer
- BU422 **EDWORD PROFESSIONAL v4.0** Text editor

COMMUNICATIONS

- C 25 **COMMSOFT** Needs C26
- C 26 **COMMSPANION** Needs C25
- C 62 **AZ-COMM** Modem programme
- C222 **JR COMM v1.02** For moderns
- C249 **TERM II v1.1** Comms prog WB2/3
- C303 **OPTI COMMS** Inc.N Comm 2
- C347 **SATELLITE TRACKER**
- C357 to C382 **AMATEUR RADIO 1 - 25** (25 disks)
- C383 **N COMM v3.0** Latest
- C384 **BBBBS** (3 disks) Bulletin board system
- C386 **SPOT** Fidonett util
- C387 **TERMINUS** JR Comm 2
- C388 **SERNET/PARNET** Install for CD32 Amiga

EMULATORS

- EM 87 **SPECCY + 40 GAMES** 1.3 only
- EM141 **IBeM** PC emulator
- EM143 **ST EMULATOR** 1.3 only
- EM149 **C64 GAMES DISK 1** use with
- EM150 **C64 GAMES DISK 2** emulator
- EM215 **A64 EMULATOR v2.0*** (2 disks)
- EM306 **MS-DOS PROGS FOR PC TASK** 6 Disks
- EM324 **KICKSTART 2** Upgrade WB1.3
- EM397 **NUMPAD** Numeric keypad
- EM400 **KICK 1.4** (Wb 2 & 3 only) Degrades to Kickstart 1.3
- EM412 **FAKEMEM** Degrades to 1.3/512k
- EM413 **KILL AGA v2** Turn off AGA chipset
- EM414 **KICKSTART 3** Upgrade WB2.
- EM415 **PC TASK v2.03**
- EM416 **SPECCY EMULATOR v2.0** All Amigas
- EM417 **S KICK** Switch WB 3.0 to 1.3
- EM418 **Z KICK** A600 emulator
- EM419 **DATASETTE 64** Transfer C64 prog
- EM421 **SPECCY GAMES** (12 disks) use with EM416

PRINTER DRIVERS

- PD177 **PRINTER DRIVERS** (2 Disks)
- PD200 **PRINTER DRIVER GENERATOR**
- PD275 **JOY OF PRINTING** Drivers + fonts
- PD281 **PRINT STUDIO** 41 drivers – good
- PD327 **CANON PRINTER DRIVERS**
- PD328 **PRINTER DRIVERS UPDATE 3**
- PD335 **PRINTER DRIVERS** Canon BJ10e
- PD358 **CANON DRIVERS** BJ130 etc
- PD407 **DRIVERS** Star/Epson/ Pan/HP
- PD408 **HP550C Printer Driver**
- PD409 **HP PRINTER DRIVERS**
- PD410 **PROF PRINTER DRIVERS**
- PD411 **STAR PRINTER DRIVERS**
- PD412 **CANON STUDIO**
- PD413 **STAR STUDIO**
- PD414 **PANSONIC STUDIO**
- PD415 **PRINTER DRIVERS** - 112 in all!
- PD416 **PAGESTREAM PRINTER DRIVERS**
- PD417 **CITIZEN PRINTER MANAGER**
- PD418 **SID'S 147 PRINTER DRIVERS** (2 Disks)

HOBBIES

- H 68 **CROSSWORD DESIGNER**
- H148 **A-GENE** Family history
- H214 **FOOTBALL LEAGUE EDITOR**
- H250 **DARTS LEAGUE D/BASE**
- H302 **LAST WILL & TESTAMENT**
- H305 **ASTRO 22 v 3.5** Latest astrology
- H307 **FAMILY HISTORY D/BASE**
- H310 **TEN PIN BOWLING D/BASE**
- H333 **AMIGA PUNT** Horse racing
- H336 **PERM CHECK v1.0** Pools predicter
- H342 **STITCHERY** Cross stitch work
- H359 **RACE RATER** Horse predicter
- H360 **QUESTION ATORT** Quizmaker
- H361 **NEW BIORYTHMS** Excellent prog.
- H362 **WINE MAKERS D/BASE**
- H363 **CYCLING M** Useful
- H364 **DARTS MACHINE** Score recorder
- H365 **AMYGEN** Family history
- H366 **POOLS WIZARD** Demo
- H367 **MING SHU** Chinese Astrology
- H368 **ASTRONOMY 2** Data & graphics
- H369 **AMERICAN FOOTBALL** (2 Disks) Rules
- H370 **LANDSCAPE GARDENING**
- H371 **GENEOLOGIST** WB2 and above
- H372 **TOP OF THE LEAGUE** Football Manager
- H373 **COURSE FORM** Horse racing
- H374 **FORECASTER** Horse race predictor
- H375 **STARVIEW** Astronomers
- H376 **CODE MUNDUS v5.7** Highway Code
- H377 **FOOTBALL FORECAST DEMO**
- H378 **BON APPETITE** Recipe database
- H379 **POOLS TOOLS 2** Pools progs.
- H380 **SEE THE AURA** (2 disks) human aura
- H381 **PHOTOGRAPHY** About the Dark Room
- H382 **DSOLVE CROSSWORD** Solve them
- H383 **PROFESSIONAL BINGO**
- H384 **WORD UTILITIES** Word puzzle solver
- H385 **KITE SIMULATOR** Fly your kite!
- H386 **POOLS WIZARD JUNIOR V1.0**
- H387 **SPIDERSOFT UTILS** Garden Designer
- H388 **GENIE** Family History
- H389 **STOCK ANALYST** Stocks & Shares
- H390 **WHOM 3** Part 2
- H391 **WHOM 3** Part 3
- H392 **TAROT** (2 disks) Birthsigns
- H393 **KNIT** Create patterns
- H394 **GOLF GURU V1.2** Keep golf scores
- H395 **FOOTY V1.4** Football League Editor
- H396 **DIVIDEND WINNER** Football
- H397 **RED DWARF TRIVIA**
- H398 **SCION** - family history d'base
- H399 **SHAREMAN** - stock market manager
- H400 **M.O.R.C. v2** (2 disks) Rune caster – New
- H401 **THE MYSTERIES OF RUNES** all the signs
- H402 **DVLI** Personality profiler
- H403 **SUPER LEAGUE v0.4** - great
- H404 **LUCIFER'S WICKED GRIMOIRE** (3 disks) - 18 years +, witchcraft, spells, herbal potions etc. For interest purposes only!!
- H405 **LUCIFER'S OCCULT MUSIC** (2 disks) - Cyber punk + heavy metal
- H406 **FOOTBALL ICONS** - Flags, motifs etc.

HARD DRIVE UTILS

- HD102 **HARD DISK UTILS** Excellent collection
- HD223 **DELTRAX HD UTILS 1** Fileminder, HDClick
- HD395 **RE-ORG V2.3** Optimise
- HD397 **HD CLICK v2.53**
- HD398 **MR BACKUP v1.148**
- HD399 **BACKUP**
- HD400 **C DISK** Optimiser
- HD401 **HD STACKER** Double your space

PROGRAMMING

- PR 47 **C LANGUAGE MANUAL** (3 Disks)
- PR 49 **C LANGUAGE COMPILER**
- PR 72 **PASCAL LANG PROG**
- PR 94 **POWER LOGO v1.4** Lisp & Logo
- PR110 **PDC** (3 Disks) Programmers aid
- PR118 **BC-FORTRAN**
- PR166 **AMIGA CODERS CLUB** (6 Disks)
- PR225 **CURSOR COMPILER** Basic language
- PR239 **DME V1.45** Programmers Text Editor
- PR243 **DICE v2.5** (2 Disks) C Environment
- PR244 **PCQ v1.2a** (3 Disks) Pascal compiler
- PR326 **SOZOBAN C DISK** AZ Text link compiler
- PR355 **ASM ONE** Assembly package
- PR357 **EZASM** Assemblers
- PR358 **C MANUAL** (12 Disks) The best yet!
- PR359 **NORTH 'C'** v1.3 (2 Disks)
- PR361 **ATTIC & BLIT** Useful for 'C' progs.
- PR362 **AMIGA E** v2.1 Better than C
- PR363 **AZAPP v2.04** binary editor
- PR364 **INSTALLER** for software developers
- PR365 **MPE v1.6** MzAmiga companion
- PR366 **MODULA-2** language
- PR367 **GNU++C COMPILER** (3 Disks)
- PR368 **PCQ SHELL** Pascal Compiler
- PR369 **'C' LANGUAGE MANUAL v2.0** (4 disks)
- PR370 **C++ 2LATEX** Make Latex files from C++ or C
- PR371 **AMI LOGO v1.4** Logo

GRAPHICS

- GU163 **3D FONTS** (3 Disks)
- GU227 **REAL 3D FONTS**
- GU246 **CLIP-ART PORTFOLIO** (15 disks)
- GU261 **LARGE FONTS DISK**
- GU265 **SCANNES CLIP-ART** (3 Disks)
- GU269 **DYNAMITE FONTS**
- GU270 **FONTS & SURFACES**
- GU272 **CLIP-ART COLL** (8 Disks)
- GU273 **CLIP-ART VOL 1** (7 Disks)
- GU279 **DYNAMITE FONTS 2**
- GU280 **HACK FONTS 1** (2 Disks)
- GU283 **COSMOPOLITAN FONTS 1**
- GU284 **COSMOPOLITAN FONTS 2**
- GU285 **COSMOPOLITAN FONTS 3**
- GU286 **COSMOPOLITAN FONTS 4**
- GU289 **SONIC DEV CONVERTERS PACK**
- GU290 **BEATRIX POTTER CLIP-ART**
- GU311 **DISK MANAGER + FONTS** (Plus only)
- GU312 **SHADOW MAKER**
- GU313 **MOVIE MAKER**
- GU314 **ANIMATIONS BRIDGE V1.0**
- GU315 **PLOTTING & GRAPHICS**
- GU316 **DOCK ICONS**
- GU317 **ASSASSINS MULTI-VISION V1.0**
- GU318 **THE SNOWMAN CLIP-ART**
- GU319 **PAGESTREAM 2.1 FONTS** (5 disks)
- GU320 **WALT DISNEY CLIP-ART**
- GU321 **MAGNETIC PAGES V1.3**
- GU322 **COMPUTEREYES FONTS PACK 1**
- GU323 **COMPUTEREYES FONTS PACK 2**
- GU324 **COLOURED ICONS**
- GU325 **GRAPHICS RIPPER**
- GU362 **DIRECT ACTION** Anim creator
- GU363 **M.A.X.** Mandelbrot adv kit
- GU402 **FREE PAINT** Copy of DPaint
- GU403 **VIEWTEC v1.02** AGA graphics display
- GU404 **FONTS DISK 1** Large & small
- GU405 **DIGI FONTS** Good variety
- GU406 **COLOUR FONTS 1** Modern, Olde, Pica
- GU407 **COLOUR FONTS 2** Marble, Rocks, Grids
- GU408 **COLOUR FONTS 3** Dimond, Eye, Sun
- GU409 **COLOUR FONTS 4** Digi/Font brushes
- GU410 **COLOUR FONTS 5** Cinnam 8, 16 etc
- GU411 **COLOUR CLIP-ART** Hi/Med/Low for DTP
- GU412 **COLOUR CLIP-ART** Animals
- GU413 **CLIP-ART** Animals B&W IFF
- GU414 **CONTACH CLIPART 1** Cartoon, Zodiac
- GU415 **CONTACH CLIPART 2** Buildings, Xmas
- GU416 **CONTACH CLIPART 3** Signs, Teddys, Work
- GU417 **GRAPHICS TOOLS 2**
- GU418 **RAYSHADE** (3 Disks)
- GU419 **PRO PAGE TEMPLATES**
- GU420 **PRO PAGE HELP**
- GU421 **DPAINT TUTOR** Learn to use it
- GU422 **SPECTRA PAINT**
- GU423 **THE DESIGNER** Arcade backgrounds
- GU424 **RJ UTILS** Perfect Paint, Image W/Shop
- GU425 **FONT FARM 3**
- GU426 **FONT FARM 1**
- GU427 **FONT FARM 2**
- GU428 **VIEW 3.2** Anim Player
- GU429 **HAM LAB PRO v2.0B** Picture Converter
- GU430 **ICONS GALORE**
- GU431 **STILL STORE**
- GU460 **QUICK GRAB** AGA
- GU462 **POST** Postscript interpreter
- GU463 **POST SCRIPT FONTS 1**
- GU464 **POST SCRIPT FONTS 2**
- GU465 **POST SCRIPT FONTS 3**
- GU466 **GELIGNITE FONTS 4**
- GU467 **ULTRAPAINT**
- GU468 **ARTISTIKS** Art package
- GU469 **BLUE ROSE FONTS 1**
- GU470 **BLUE ROSE FONTS 2**
- GU471 **IMAGINE OBJECTS & JPEG TEXTURES** (6 Disks)
- GU472 **SCALA BACKGROUNDS** (2 Disks) Hi-Res
- GU473 **RUSSIAN FONTS**
- GU474 **COMPUGRAPHIC FONTS** (7 disks)
- GU475 **PICTURE PACKER** - for compressing files WB3
- GU476 **BLUE ROSE FONTS 3** - WB2+
- GU477 **CINNAMON FONTS** (2 Disks) coloured fonts WB2+
- GU478 **FONT FARM 5-8** (4 Disks)
- GU479 **STAR TREK DESIGN FILE** -ship layouts etc

MUSIC UTILITIES

- MU2 **MODULES ONE**
- MU3 **MODULES TWO**
- MU4 **MODULES THREE**
- MU5 **MODULES FOUR**
- MU6 **MODULES FIVE**
- MU7 **MODULES SIX**
- MU10 - MU47 **ST SAMPLES & INSTRUMENTS** (38 Disks) or buy singly
- MU193 **OCTAMED v1.0b FF579** Music editor
- MU256 **MULTI-PLAYER V1.11A** Music
- MU317 **DENNIS SAMPLES DISK 2** Madonna etc
- MU318 **DENNIS SAMPLES DISK 3** Baby cough etc
- MU319 **DENNIS SAMPLES DISK 4** Telephone etc
- MU321 **DENNIS SAMPLES DISK 6** Star Trek etc
- MU322 **DENNIS SAMPLES DISK 7** Heavy monster etc
- MU323 **ASSASSINS AUDIO MAGIC VOL 1.1** Lots
- MU324 **ASSASSINS AUDIO MAGIC VOL 2** Trackers
- MU325 **SOUND APPLICATIONS A & B** (2 Disks)
- MU326 **MEGA MON v 3.20**
- MU327 **SAMPLE MAKER**
- MU328 **CASIO CZ-101**
- MU329 **DX 100**
- MU330 **PENDLE EUROPA**
- MU332 **INSTRUMENTS & SAMPLES**
- MU333 **PROTRACKER v2.2**
- MU338 **ASI AUDIO MAGIC Vol 4** Inc Pro Tracker v3
- MU339 **OCTAMED V2.0** 8 channel MED sequencer
- MU340 **CDTV PLAYER** Simplifies audio CD's
- MU341 **SUPERSOUND v2.1** Sound sampling
- MU342 **SOUND** Sample player
- MU343 **GUIDE TO ELECTRONIC MUSIC** (3 disks)
- MU344 **TAB MASTER** Music to guitar translator
- MU345 **POWERCUTS** Good sound effect samples
- MU346 **BEATS** (5 disks) Drum Samples
- MU347 **VOCALS** (5 disks) Super Samples
- MU348 **DRUM KIT SAMPLES** (3 disks) High quality
- MU349 **KORG SAMPLES** Keyboard Sounds (3 disks)
- MU350 **MUSIC MODULES** (5 disks) Large modules
- MU351 **PURE SAMPLES** (3 disks)
- MU352 **METAL MODULES** (5 disks) Heavy Metal
- MU353 **CHIPMANS SAMPLE DISK** 1-70 Samples
- MU354 **SAMPLE FACTORY** Sound effects
- MU355 **DELITRACKER** Sound player
- MU356 **POWER PLAYER v3.9** module player
- MU357 **IFF BREAKBEATS 1**
- MU358 **TECHNO MODULES 1-5** (5 disks)
- MU359 **OCTAROCK 3D** Rock + Grafix
- MU360 **OCTASTUFF** For Octamed v3 &4
- MU361 **GUITAR TUNER**
- MU362 **MEGA MONITOR** - ripper
- MU363 **OCTAMED TUTOR** (Not 1.3)
- MU364 **FLUTE CONCERTOS** WB2+
- MU365 **HORN CONCERTOS** (2 disks) WB2+
- MU366 **CHURCH MUSIC**
- MU367 **MUG DRUNKIT SAMPLES** (2 disks)
- MU368 **MUG BASS SAMPLES**
- MU369 **SAMPLES UNLIMITED 1** Good quality
- MU370 **NO SAMPLER UTILS** rippers, modules etc.
- MU371 **XBEAT SEQUENCER** Mega!
- MU372 **TROOPER MODS** 10+ modules for Octamed
- MU373 **MT 32 MIDIFILES** for Roland
- MU374 **12 DISKS CRAMMED WITH MIDIFILES** - 100s.
- MU375 **AUDIO MAGIC 5** - new tracker progs.
- MU376 **AUDIO MAGIC 6** - FM Synth, Quadra + more.
- MU377 **SONIX ROCK** - music in Sonix!

EDUCATION

- E17 **SPELLCHECK** Learn foreign words
- E18 **TRANSLATOR** Spanish, French, Italian
- E23 **COLOUR THE ALPHABET** Very good
- E24 **DTP – FOR KIDS** Excellent
- E25 **ALGEBRA**
- E26 **MATHS WIZARD** Let the Wizard help
- E28 **BLACKBOARD MATHS**
- E30 **MR MEN STORIES** All your favourites - 1.3 only
- E31 **READY ROBOT** Full of games
- E32 **SCIENCE 1,2,3,4** (4 Disks) Physics
- E203 **MULTIPLOT v/XLNE** (2 Disks) Data plotting prog
- E258 **MATHPLOT** Lin/log plotter
- E259 **PLOTTER v3.90** 2 dim math plots
- E311 **AMIGA TUTORIAL** Beginners will like this
- E322 **AGRAPH** Pie charts & others
- E334 **SACC TO SCHOOL** Kids puzzles, very good
- E335 **FIREWORK ALPHABET** Learning aid demo
- E336 **GRAMMAR** Correct your errors
- E337 **WORLD GEOGRAPHY** Very useful
- E338 **CHEMBALANCE** Chemical equations
- E339 **MATCH WITH HUMPTY**
- E340 **AMIGA WORLD** Info on every country on Earth
- E341 **SINGALONG NURSERY RHYMES**
- E342 **PICTURES & LETTERS**
- E344 **GREAT WOMEN OF OUR TIME**
- E345 **GAS TURBINE ENGINE** Anim.
- E346 **4 STROKE ENGINE** Anim.
- E347 **STEAM ENGINE** Anim
- E348 **WW II HISTORY BOOK**
- E349 **A VISIT TO THE RED PLANET** Mars
- E350 **EVO** Evolution of man
- E351 **FRACTIONS**
- E352 **GCSE MATHS**
- E354 **COMMUNICATE** Sign, Braille, Morse, Flags
- E355 **LITTLE TRAVELLER** Tourist
- E356 **ASSASSINS BACK SKOOL** (3 disks)
- E357 **TWO STROKE PETROL ENGINE ANIM**
- E358 **JAPANESE** Learn the language
- E359 **KEYBOARD TRAINER v1.1** Typing tutor
- E360 **IRREGULAR VERBS** - Quiz
- E361 **HOW THE EARTH BEGAN**
- E362 **CHESS TUTOR**
- E363 **ELEMENTS**
- E364 **ANIMAL LAND 1** Ages 4+
- E365 **FLAGS OF THE WORLD** (3 disks)
- E366 **MATHS ADVENTURE**
- E367 **MATH TALK** Sound + Speech – ages 9+
- E368 **KIDS DISK 1** – Learning
- E369 **KIDS DISK 2** – Learning
- E370 **CHILDRENS FAVOURITES** Good Fun
- E371 **THE ATOM** (2 disks) All you need
- E372 **JUNIOR MATHS**
- E373 **READ & LEARN** (2 disks)
- E374 **WORD FACTORY** Spelling
- E375 **KIDS DISK 3**
- E376 **KIDS DISK 4**
- E377 **OUR SOLAR SYSTEM**
- E378 **PLANETARIUM**
- E379 **KIDS DTP 2**
- E380 **KIDS DTP EXTRAS**
- E381 **TOME OF MYTHS** (2 disks) Study Mythology
- E382 **STATES OF EUROPE** Facts, maps & info
- E383 **FRENCH VERB TESTER**
- E384 **CALCULUS COMBAT** Maths agility
- E385 **TUTANKHAMUN** (2 disks) Slides of treasures
- E386 **STERLING ENGINE** Anim
- E387 **GRAPH PRO** Produce graphs
- E388 **NIGHT MATH ATTACK** excellent
- E389 **KIDS DISK 5** more fun progs
- E390 **KIDS DISK 6** from Duncan

VIRUS HELP

- VH 44 **MASTER VIRUS KILLERS v2.0**
- VH 93 **WARRIORS VIRUS KILLERS**
- VH218 **NEW SUPERKILLERS v2.5**
- VH235 **BOOTX V4.45** WB 1.3/2
- VH312 **LINK VIRUS DETECTOR**
- VH409 **EXTERMIN 8**
- VH411 **VIRUS Z v3.07**
- VH413 **ANTICICLOVIR v2** Link virus detector
- VH414 **VIRUS CHECKER v6.33**
- VH415 **SUPER VIRUS KILL** WB 2+
- VH416 **TRONIC VIRUS KILLERS**
- VH417 **VIRUS Z II** WB 2+
- VH418 **ASSASSINS VIRUS KILLERS**

COPIERS

- CP234 **FLASH COPY** Multi-tasking
- CP257 **FREE COPY v1.8** Removes protection
- CP313 **NIB v2.0** Removes protection (1.3 only)
- CP340 **ASI CRUNCH 'N' COPY 2** Collection
- CP341 **COOL COPIER v2.0** Fast & safe
- CP348 **ASI DISK COPIERS** Collection
- CP349 **LOCK PIC 2** Removes protection
- CP350 **D COPY v3.1**
- CP351 **MAVERICK COPIER** Ram protection
- CP352 **SAFE II** Powerful copier
- CP354 **THE DISK UTIL** WB2+
- CP355 **SUPER FORMATTER v1.0d**
- CP356 **SUPERDUPER v2.02**
- CP357 **BAD FORMAT** Run Bad disks
- CP358 **COPIERS UNLIMITED**
- CP360 **DISKMATE** V.Good (WB2.04+)
- CP361 **SUPERDUPER v3.0** WB2.04+

COLOURED CLIPART

- CC1 **WORLD MAPS** (10 disks)
- CC2 **ACTORS** (2 disks) Famous faces
- CC3 **CATS** 16 pics
- CC4 **AIRCRAFT** (2 disks) 32 pics
- CC5 **DOGS** (8 disks) Assorted
- CC6 **BIRDS** (8 disks) All sorts
- CC7 **MONTAGE LANDSCAPES** (2 disks)
- CC8 **MONTAGE WILDLIFE**
- CC9 **REPTILES**

SUPERB QUALITY CLIPART

- GU026 **ART 1** (2 Disks) Weddings
- GU027 **ART 2** (2 Disks) Houses
- GU028 **ART 3** (3 Disks) Religious
- GU029 **ART 4** WWII Aircraft
- GU030 **ART 5** (2 Disks) Men
- GU031 **ART 6** (2 Disks) Women
- GU032 **ART 7** (2 Disks) Kids
- GU033 **ART 8** Business
- GU034 **ART 9** Office
- GU035 **ART 10** Students
- GU036 **ART 11** Sale
- GU037 **ART 12** (3 Disks) Christmas
- GU038 **ART 13** (3 Disks) Punch
- GU039 **ART 14** Animals
- GU040 **ART 15** Cats
- GU041 **ART 16** Silhouettes
- GU042 **ART 17** (2 Disks) Schools
- GU043 **ART 18** Babies
- GU044 **ART 19** (2 Disks) Sport
- GU045 **ART 20** Olympic
- GU046 **ART 21** (2 Disks) Medical
- GU047 **ART 22** Sea Life
- GU048 **ART 23** Decorative Mouths
- GU049 **ART 24** Whacky (funny)
- GU050 **ART 25** Holidays
- GU051 **ART 26** (2 Disks) Old banners
- GU052 **ART 27** Art Nouveau flowers
- GU053 **ART 28** Butterflies
- GU054 **ART 29** (2 Disks) Food & kitchen
- GU055 **ART 30** Colouring book (DPaint)
- GU056 **ART 31** Borders (DTP) (2 Disks)
- GU057 **ART 32** (2 Disks) MAC clipart
- GU058 **ART 33** Hornback (scenic)
- GU059 **ART 34** (2 Disks) Teddy Bears
- GU060 **ART 35** (2 Disks) Vanity Fair (fashion)
- GU061 **ART 36** Halloween (weird)
- GU064 **ART 37** Showtime (dancing etc)
- GU065 **ART 38** Vegetarian
- GU066 **ART 39** Floral (detailed)
- GU067 **ART 40** Myths & Zodiac
- GU432 **ART 51** Botanical art
- GU433 **ART 52** Family scenes (2 Disks)
- GU434 **ART 53** Golf Humour (2 Disks)
- GU435 **ART 54** Space & transport
- GU436 **ART 55** Soft scene 2–Rural pics
- GU437 **ART 56** Sports 3
- GU438 **ART 57** Navy
- GU439 **ART 58** Travel (2 Disks)
- GU440 **ART 59** Alphabet (2 Disks)
- GU441 **ART 60** Accents & Flashes – stars etc
- GU442 **ART 61** Fish & aquatic pics
- GU443 **ART 62** Softscene 3
- GU444 **ART 63** Restaurant (3 disks)
- GU445 **ART 64** Mammals
- GU446 **ART 65** Anim & bird
- GU447 **ART 66** Messbum animals
- GU448 **ART 67** Burchfield kids
- GU449 **ART 68** Beast & Myth (3 Disks)
- GU450 **ART 69** Transport (3 Disks)
- GU451 **ART 70** Trucks & trains
- GU452 **ART 71** Astrology (2 Disks)
- GU453 **ART 72** Aircraft (3 Disks)
- GU454 **ART 73** Birds – songbirds etc
- GU455 **ART 74** Dogs
- GU456 **ART 75** Houses, castles & buildings
- GU457 **ART 76** Sports – Mac
- GU458 **ART 77** Horticulture (5 Disks)
- GU459 **ART 78** Military (10 Disks)

VIDEO WORK

- V 99 **CATALOGUE WORKSHOP 1**
- V100 **CATALOGUE WORKSHOP 2**
- V179 **VIDEO APPLICATION UTILS**
- V180 **VIDI FONTS 1**
- V220 **VIDEO GRAPHICS** (4 Disks)
- V236 **CHEMNIMATE** Reaction anims
- V345 **VIDEO WIPES**
- V401 **INSCRIPT** Video titler
- V402 **TELE TITLER 2** Hi-res – use with V408
- V403 **VIDEO EDITORS KIT**
- V404 **CAPTIONATOR** Superb video titler
- V405 **HARLEQUIN VIDEO ART 1**
- V406 **HARLEQUIN VIDEO FONTS 1**
- V407 **HARLEQUIN VIDEO FONTS 2**
- V408 **TELESCROLL 1** Video titler
- V409 **TELETITLER 3** Lo-res – use with V408
- V410 **DESKTOP VIDEO** Add scrolling titles
- V411 **VIDEO WORKSHOP** Borders & Fonts
- V412 **ASSASSINS VIDEO TITLERS**
- V413 **WEDDINGS DTV** (2 Disks) Brushes, Pics, Anims
- V414 **VIDEO TRACKER AGA**
- V415 **VIDEO TRACKER DATA**
- V416 **TELE SCROLLER**
- V417 **TELE TITLER 2**
- V418 **TELE TITLER 2** low res.

A1200

- AU12 **JPEG AGA IMAGES** (9 disks) Superb!
- AU13 **BAD BOYZ AGA SLIDES** (10 disks) Fab!
- AU14 **SLEEPLESS NIGHTS** – 3 utilities
- AU15 **A1200 UTILITIES** – Gif & PCX datatypes etc
- AU16 **A1200 WB HACKS**
- AU17 **ANDY'S WB3 UTILS** Brill! Fakemem, AGAtest
- AU18 **24 BIT UTILS** – 3 conversions progs
- AU19 **WINBLEND** Fractal generator
- AU20 **JPEG UTILS** Rend 24 convertor pics
- AU21 **HD PREP** preps hard drive
- AU22 **HDMEM** needs MMU
- AU23 **RD PREP** preps rigid disk
- AU24 **HD INSTALLER**
- AU25 **MAGIC WORKBENCH** Superb icons (HD only)
- AU26 **AGA UTILITIES 2** 256 colour icon ed etc
- AU27 **AGA UTIL

GAMES

MEGABALL Breakout – very addictive
STAR TREK I (2 disks) Space (Not A1200)
CARD GAMES Harp, Pbill, Queens etc
RETURN TO EARTH Elite type
BATTLEFORCE Fantasy roll playing game
DRAGON CAVE Dungeon Master type
GREYSLAYER Arcade adventure
STAR TREK 2 (3 disks)Not 1200
FRUIT MACHINE * Excellent
MECHFORCE (2 Disks) RPG
TREASURE HUNT (6-8 yrs)
CHEAT LIST GAMES V1.0
ZEUS – THE GAME Puzz tiles
DUNGEON DELVER (2 Disks) Mazes
PICK UP A PUZZLE * (2 Disks) Jigsaws
CHAINSAW DEATH * Futuristic maze type
CAN YOU PICTURE IT * (2 Disks) Jigsaw
BALLOONACY * Bomb the skyscrapers
BLACKJACK Card game
STAR TREK THE NEXT GENERATION (Not A1200)
HACK Text adv
DRAGON TILES Great tiles game
BOARD GAMES
ATIK ATAK C64 game
RAMIFY Pairing
CARD SHARP 5 card games
TOTAL WAR Risk type
SKYFLYER WWII S.E.U.
PUGGLES Q bert brill
SQUATS REVENGE Wolf clone
GAMES COMPILATION I 6 games
ATLANTIS I Strategy
NAPOLEONIC WAR SIMULATION Strategy
MISSION RAID PART III S.E.U.
SNAKES & LADDERS Good
GAMES GALORE VOL 7 For the young
AIR WARRIOR Flight simulation
DUNGEONS OF NADROJ Hacktype
QUICK & SILVER Platform. Excellent
MASTER OF THE TOWN Shoot the sign posts
ETHOS Text adv + pics
BATTLE CARS 3D cars S.E.U.
CHALLENGER Quiz - 5 player
CATACOMB Graphic adv – very well done
KINGDOM AT WAR War games
SMASH TV RIPOFF S.E.U. Futuristic
DOODY Mario type platform
PICK OUT Pair it. V. good
NU-SHOOT EM UP Space

STRIKE BALL Baseball. Brill!
CRAZY SUE Platform. 1st rate
HENRY IN PANIC Manic Miner type
CONCENTRATION V3.3 Pair it type
DESTINATION MOONBASE Thrust
ESCAPE FROM JOVI III Caves
NO MANS LAND War S.E.U.
DOMINOES V. Good
MIDNIGHT THIEF GAME Adv
GRUB GRABBER II Help Elvin! Avoid gremlin
SWORD OF WORLOCK 3 disk Adv
A NIGHT AT THE TOP Terrorist adv
QUADRIX Puzz. Excellent
YUM YUM * Pacman
REVENGE MUTANT CAMELS S.E.U.
BATTLEMENTS Hunchback platform
LEMMINGOIDS Blast them!
KARATE WORM Platform-cute
SNAKE IN THE GRASS Platform – neat
WIZARDS DOMAIN Graphic adv
PIXIE KINGDOM (2 disks)
ARCADIA Breakout – very popular
PORK A PORK Stop the foxes
MR BRICK – Mario type
RAID III S.E.U. – wicked
SERENE III
WOTSITSNAME Quiz
TETREN – tetris
NUMPTY & THE ALIEN INVADERS
OMEGA RACE S.E.U. Great
MENTAL IMAGES DISK 2 3 games
MR & MRS Young platform – very good
TANX Great 98%
DEFENDA Arcade 95% Brilliant conversion
GRAND PRIX SIMULATOR Mega
NUMBER FUMBLER Number puzzle
LEMMINGOIDS Blast away
GROWTH
PROJECT 1
LAZER ZONE
LEMMINGS PACK
THE MAZE GAME
APIOYA
SHOOT OUT
SUPER SKODA CHALLENGE
COMPUTER CONFLICT 2
ANTEP & SLOT CARS GAME RPG
TRICKY & THE TURN GAME
CARD GAMES 2

MIND GAMES 21
HYPER TEXT CHEATS
TECHNOBAN Puzzle game
THE BEAST Mission to kill
NADILOT RUN Cat & dog chase
OUCH Clobber those moles
ABSOLUTE ADV VOL ONE
CHAOS STRIKES BACK Maps etc
GAME TAMER v4.59 Latest
AMOS CRICKET Good cricket game
ARAZNAX 40 levels
HELL ZONE Elite
FATAL MISSION Good shoot 'em up
CROSSMAZE/CRYPTO KING Words
INTERLOCK (AMOS) 25 levels
TANK ATTACK & MOUTHMAN
THRALLBOUND Viking Adv Text
BOUNCE AND BLAST Platform
SOCCER CARDS Run the club
CYBERNETIX Fast action
STAR MIX 2 3 games
FLAG CATCHER Squares puzz
OMEGA Adv Moria type
TOP SECRET Excellent graphics platform
MADONNA Jigsaw
ROBOCOP GOES TO IRAQ seu
BACK TO THE FUTURE III Funny
45 CHEATS Codes etc
TOMCAT F15 shoot 'em up
SUPER QUIZ
POWER PONG Boing
MAHJONG Tiles
NESTER Cards
STARFLEET Shoot 'em up
EXCALIBER Shoot 'em up
IMPERIUM ROMANIUM Battle
SQUAMBLE Very Spacey!!
JETMAN Good shoot em up
MECHFORCE v 3.71 Latest update
PROPERTY MARKET GAME Strategy
ROLL ON & LAMER Pushing
HACKLITE v 1.0 Moria & Hack
DIE FILTH (2 disks) Brill like Swiv
ULTIMATE HINT KIT v1.0
THE ACE CHEATS DISK 2 Lots
BATTLE OF BRITAIN Strategy
THE SECRET OF MONKEY ISLAND (Demo)
ESCAPE II Creating games
QUIZMASTER v 1.0 Test your knowledge

NEBULA Shoot-em-up fast action!
ESCAPE Into space!
RUMMY Excellent card game
SPACE RESCUE Super shoot 'em up
INVADERS MARK II Space invaders
ERIC THE WARRIOR Sim to Gauntlet
KLAKTRIS Tris type game
CLI-TRIS Latest TRIS
DELUXE PACMAN
GALAGA 92 Shoot-em-up
LIBERATOR GAME Shoot-em-up
ACK-ACK
CRAZY SUE 2 Latest platform
LAST REFUGE Invaders
ZINGGER GAME Karate game
MORIA v5.4 Latest
FRUIT MACHINE II AMOS goou
OBLIVION Defenda clone
BOMB JACKY Platform
OTHELLO Board game classic
SOLITAIRE SAMPLER Cards
WILLY IN THE CASTLE Excellent platform
FRUIT SALAD Platform. Reviewed in Format
MARIO IN WONDERLAND Brill clone – Mega!
GIDDY Great new platform game
ATOMS Weird!
VECTA STORM Brill new Tempest clone
DIGITAL TETRIS
TETRIS PRO
SUPER PACMAN 92
BRIDGE
18th HOLE GOLF (2 disks)
SLIDE SQUARES Puzzle
THEY CAME FROM OUTER SPACE Shoot em up
SON OF BLAGGER Excellent platform
BRAINBOW Addictive puzzle
MYSTERY 2144 AD Futuristic Murder adv.
GUSH Fab pipeline clone
MEXICAN MASSACRE Arcade action
100 MEGA GAMES (7 disks)
BOX Adventure game
SLAMBALL Future Management sim.
MAYHEM2 Multi player manic maze.
MUGSIE Money making gangster adventure.
ROULETTE + PUNTO 2 Good game (not 1.3)
BLITZ GAMES Worm, buzzbar, speed etc.
SKID MARKS Amazing driving game.
ZOMBIE, APPOCOLIPS AND DEFENDER 2 Brill!
BILLY BURGLAR Just try to escape.

OLYMPIAD (Lemmings) (2 disks)
CAVE FLIGHT Dodge the obstacles.
SERIOUS BACKGAMMON Demo
AIRPORT
EXIT-13 Puzzle
BOW & ARROW
BLOAD RUNNER
POPEYE C64 classic
CASTLE NORRIS
THE RIGHT WAY Lemmings
PATIENCE Cards
PREMIERE PICKS Football
BOB N' FLOP
ROAD TO HELL Racing brill!
FIGHTING WARRIORS Street Fighter 2 clone
LEMMINGS 2 HD install
NAPOLEONIC WARFARE (2 Disks) Strategy
TEXAS CHAINSAW MASSACRE
SCRABBLE
SMURF HUNT
THRUST DUEL Gravity control
EXORCISM (2 Disks) Adv. & graphics
CONQUEST & DOMINATION Strategy war game
DONKEY KONG Platform
OPERATION METEOR 3D Graphics
MR MEN OLYMPICS (2 Disks)
SUITCASE (2 Disks) Adventure
ESCAPE FROM DOOM RPG type
HIGH OCTANE Overhead driving
FATAL MISSION 2 Shoot em up
KUNG FU CHARLIE Platform beat em up
GAMES GALORE 13
MENTAL IMAGES Vol 2
IRON CLADS (2 disks) Naval battle Not 1200
INTREPID Rescue Dame form Evil
QUIZ MASTER
QUIZ CHALLENGE
EYE OF BEHOLDER II Cheats
CHEATS Many solutions
PASSWORD PARADISE
MEGACHEATS v3.0
ELEVATION 2 Platform
SCORCHED TANKS Battle
AMOS LOADSAMONEY Fruit machine
STAR TREKING TRIVIA (2 disks)
SUPER TOMCAT Shoot 'em up
NOSTROMO CHEATS & SOLVES
ORC ATTACK
TANK HUNTER

RAID 4
MEGABALL 2
MEGABALL 3
ROACH MOTEL - Kill the roaches! Platform
ASOKOBAN v1.1
BILLIARD GAMES 3 games. Shareware
BLOODBALL Crillon type
CRITTUR CAULDRON Life simulation
DR WHO
DUNE 3 (2 disks) Worm race game
GALAXY MAPPER
JB POKER Cards
MF HQO ose with Mechforce
MR BROWNSTONE Bidash clone
NEW WORLD (2 disks)
NO MANS LAND 2 players
PARADROID action like C64
PROKER Card variation
REUDA Wheel of fortune
SNACKMAN Pacman clone
ANGBAND (3 disks) Moria type
BLEED 1 Cool adventure
BLEED 2 Next part
STARBASE 13 Monkey Island clone
TITANIC CHEATS
ENTITY Zap the nasties
HOTBLOX 2 player Tetris
NUMTRIS Number Tetris
GAME TAMER V4.59 Latest cheats
JELLYQUEST 3D puzzle game
ESCAPE FROM DOOM RPG adv.
MICROMARKET v1.2 Buy and sell shares
ZYRAD Overhead collecting game
SPITFIRE ASSAULT - shoot down planes WB2.0+
GREEN 5 - commercial quality. WB2.0+
THE SHEPHERD - great Populous style. WB2.0
KNIGHT WOOD - graphic adventure. WB2+
TEMPORAL MISPLACEMENT ADV. WB2+
XMASTIME FESTIVE - Platform WB2+
MEGABLOCK 2 - Tetris WB2+
ALIEN FRENZY -S.E.U. maze WB2+
CARD TRICKS (3 disks) 1 trick per disk!
SWORD OF YIGG - RPG, D+D with anim. battles
ANT WARS (2 disks) Lemmings (1 Mg chip) WB2+
AMOS ALLEY - shoot the bad guys!

BOULDERDASH

Most titles now work on A500/A500+/A600/A1200/A4000

BD 1 - FLASCHBIER I
BD 2 - FLASCHBIER II 1.3 only
BD 3 - BOULDERDASH COLLECTION I
BD 4 - BOULDERDASH COLLECTION II
BD 5 - BOULDERDASH COLLECTION III
BD 6 - EMERALD MINE BOULDERDASH 1/2/3/4+ Construction Kit
BD 7 - EMERALD EAT MINE
BD 8 - EMERALD MINE TOOL ED v 4 (2 disks)
BD 9 - EMERALD MINES CAVE EDITOR
BD 10 - EMERALD PRO
BD 11 - EMERALD PRO 3
BD 12 - EMERALD PRO 4
BD 13 - EMERALD PRO 4 EXTRA
BD 14 - LAZERS EMERALD MINE 2
BD 15 - EMERALD MINE TUTORIAL - 2nd Pt
BD 16 - EMERALD MINES 2 1.3 only
BD 17 - EMERALD MINES 3
BD 18 - EMERALD MINES 4
BD 19 - EMERALD MINES 10
BD 20 - EMERALD MINES 11
BD 21 - EMERALD MINES 12
BD 22 - EMERALD MINES 13
BD 23 - EMERALD MINES 14
BD 24 - EMERALD MINES 15
BD 25 - EMERALD MINES 16
BD 27 - EMERALD RUNNER MINE 1
BD 28 - EMERALD RUNNER MINE 2
BD 29 - EMERALD EATER
BD 30 - THE NEW EMERALD MINES 1.3 only
BD 31 - RECYCLED EMERALD MINES 1
BD 32 - RECYCLED EMERALD MINES 2
BD 33 - EMERALD HEAD
BD 34 - DANMARK II
BD 35 - MARATHON MINES 1
BD 36 - MARATHON MINES 2
BD 37 - MARATHON MINES 3
BD 38 - BOND MINES 1
BD 39 - BOND MINES 6
BD 40 - RUPPLE MINES
BD 41 - EASY RUPPLE MINES
BD 42 - RUPPLE MINES EDITOR
BD 43 - WATER MINES
BD 44 - ADVENTURES OF MR B - Part 2
BD 45 - EAT MINES 1
BD 46 - EAT MINES 2
BD 47 - EAT MINES 3
BD 48 - EAT MINES 10
BD 49 - NO ONE MINES 1
BD 50 - NO ONE MINES 2
BD 51 - NO ONE MINES 3
BD 52 - NO ONE MINES 5
BD 53 - NO ONE MINES 6
BD 54 - NO ONE MINES 7
BD 55 - NO ONE MINES 8
BD 56 - NO ONE MINES 9
BD 57 - NO ONE MINES 10
BD 58 - SPUD MINES 3
BD 59 - ENEMY MINES 1.3 only
BD 60 - BOBBYDASH
BD 61 - DENMINE 1
BD 62 - LADYBIRD MINE - KIDS
BD 63 - INTO THE FUTURE FIELDS
BD 64 - INTO THE FRUSTY FIELDS
BD 65 - INTO THE COLD CAVES
BD 66 - LABAN MINE
BD 67 - FUN MINE 1 1.3 only
BD 68 - ADE MINE 1
BD 69 - SUPER AMIDASH
BD 70 - ROCKNUTS 1 1.3 only
BD 72 - BOULDERDASH C64
BD 73 - PROFESSIONAL BOULDERDASH 1
BD 74 - PROFFESSIONAL BOULDERDASH 2
BD 75 - FIRST CLASS BOULDERDASH 1.3 only
BD 76 - BOULDERDASH CONSTRUCTION KIT 1.3 only
BD 77 - OFFICIAL BOULDERDASH
BD 78 - MEGA BOULDERDASH 1.3 only
BD 79 - STONEAGE
BD 79A- STONEAGE (PLUS COMPATIBLE)

BD 80 - LITTLE BOULDER
BD 81 - BOULDERS GROVE + EDITOR
BD 82 - CAVE RUNNER
BD 83 - DENMINE 2
BD 84 - DENMINE 3
BD 85 - DENMINE 4
BD 86 - DENMINE 5
BD 87 - DENMINE 6
BD 88 - EMERALD EATER 1
BD 89 - EMERALD EATER 2 1.3 only
BD 90 - EMERALD MINE 5
BD 91 - EMERALD MINE 6
BD 92 - EMERALD MINE 7
BD 93 - EMERALD MINE 8
BD 94 - EMERALD MINE 11
BD 95 - EMERALD MINE 16
BD 96 - EMERALD MINE 17
BD 97 - NO ONE MINE 4
BD 98 - NO ONE MINE 12
BD 99 - NO ONE MINE 13
BD 100 - NO ONE MINE 14
BD 101 - NO ONE MINE 15
BD 102 - NO ONE MINE 16
BD 103 - SUPER EMERALD MINE LAZER
BD 104 - ADVENTURE OF MR B - Part 1
BD 105 - RUNNER MINE 3
BD 106 - RUNNER MINE 4
BD 107 - BOND MINE 2
BD 108 - BOND MINE 3
BD 109 - BOND MINE 4
BD 110 - BOND MINE 5
BD 111 - BOND MINE 7.5
BD 112 - BOND MINE 8
BD 113 - BOND MINE 9
BD 114 - BOND MINE 11
BD 115 - RABOULDIX
BD 116 - RUPPLE MINE 5
BD 117 - RUPPLE MINE 3
BD 118 - RUPPLE MINE 2
BD 119 - RUPPLE MINE 4
BD 120 - BLUE DIAMONDS 4
BD 121 - INTO THE FRUSTY MINES
BD 122 - SNELMINE 1
BD 123 - OZ MINE 1
BD 124 - OZ MINE 2
BD 125 - OZ MINE 3
BD 126 - BONDMINE 10
BD 127 - DANMARK 1
BD 128 - EXPERT MINE 1
BD 129 - EXPERT MINE 2
BD 130 - ROCKNUTS 2 1.3 only
BD 131 - EMERALD CRUNCHER
BD 132 - EMERALD CRUNCHER 1
BD 133 - JUNIOR ICE MINE 2
BD 134 - RECYCLED MINES III
BD 135 - EMERALD FREAK
BD 136 - FREAK MINE 1
BD 137 - FREAK MINE 2
BD 138 - EXCEPTION 1
BD 139 - JUNIOR 1
BD 140 - DIAMOND MINE 1
BD 141 - EMERALD FREAK II
BD 142 - RUNNER MINE 5
BD 143 - BUGMINE 1
BD 144 - BUGMINE 2
BD 145 - BUGMINE 3
BD 146 - VENOM 1
BD 147 - VENOM 2
BD 148 - INTO THE HISTORY HOLES
BD 149 - NORTHLIGHT MINE 1
BD 150 - EMERALD MINE TUTORIAL
BD 151 - EMERALD MINE TUTORIAL 3
BD 152 - EMERALD MINE FINAL 1.3 only
BD 153 - NEW EMERALD MINES 1.3 only

BOULDERDASH PACKS:
Any 10 = £12.50 Any 20 = £20.00
Any 50 = £47.50 Or Singly at PD Prices

ASSASSINS COMPILATION GAMES

Most now work on A500/A500+/A600/A1200

ASI 91 Roton, Matrix & Spectrum!
ASI 92 Bill, Oblidox & Solitaire Sampler!
ASI 93 Smash Bang Wallop, Mr Munk & Alien Bash!
ASI 94 Super Skoda Challenge, Merchamoid & Giddy!
ASI 95 Prem Pics, Tangle, Bop & Flop & Super League Man
ASI 96 Dungeon Flipper, B'gam Tumble Tots Rasterbike
ASI 97 Bunnyblast, Mutants from Mars, New Stubb City!
ASI 98 Skychase, The Phone Company & Nestor Cards!
ASI 99 Gribit, Paranemmot, Space Wars & Org!
ASI 100 Bloodrunner, Patience & Monaco!
ASI 101 Meltdown, Paragon Boomerang & Rothello!
ASI 102 Fruit Salad, Rebound & Pacsim!
ASI 103 The Lost Occrest, Wacky Wabbit & Megarace!
ASI 104 Wooden Ball, Operation Meteor & Pork A Pork!
ASI 105 Particle Man, Rummy & Desert Defender!
ASI 106 Simon, Cosmoroids II, Willy Worm & Micro Market!
ASI 107 Serene III. 4 Row 3D, Equilog & Yacht C!
ASI 108 Strikeball, Ringwar, Four in a Row & Obsess!
ASI 109 Psyco Blast, King High, D/L Hamburg, Thrallbound
ASI 110 Space Rescue, Tiles Zerg & Huskerou!
ASI 111 Karate Worm II, Stax & Billy Dragon!
ASI 112 Thunderton II, Aliens, Tron & Step 2!
ASI 113 White Rabbits Preview, Trek Trivia & Popeye!
ASI 114 International Cricket, Pre Insectoids II & Yum Yum!
ASI 115 Star Trek Shoot Up, Egypt Run, Slime Line & Shork!
ASI 116 Blue Diamonds 4, Tsch & Sorry!
ASI 117 Air Warrior, Triple Yachtzee & Youpi!
ASI 118 Zombies, Armymines 14 & The Last Tetris!
ASI 119 Robouldix, Speed (cards) & Trik Trak (B'gammon)!
ASI 121 Chainsaw Massacre, Brainbow & Worm!
ASI 122 Boulderdash Coll., Project Buzzbars & Xenon III
ASI 123 Artilleros II, Lamerbug & Yahtzee!
ASI 124 Mr & Mrs, Elevation II, Haser Backgammon!
ASI 125 Namegame, Marbleslide & Snake!
ASI 126 Short Out, Kynaston Kid & Dodge Ems!
ASI 127 Shanghai 93, Lazer Zone & Oxo!
ASI 128 Space Invasion, Deluxe Pacman 1.4 & Solarys Wars
ASI 129 Boulderdash Royal, Trax & Trax Editor!
ASI 130 Chain Reaction, Batman & Uggo!
ASI 131 Tykkipeli, Tetron & Skeet Shooting!
ASI 132 Firefly, Quantum & Pac Mac!
ASI 133 2myx, Proker and Syzygy
ASI 134 Cross Circuit, Fauff & Circuit Wars!
ASI 135 Gammon 1.3, Ack-Ack, Pipeline 3 & Tetrix!
ASI 136 Hot Blox, Super Pong & Snifburk!
ASI 137 Blockster, Escapade & Squigs!
ASI 138 Galactoid, Scorched Tanks & Air Hockey!
ASI 139 The Big Game, Bat Dog & Amiganoid
ASI 140 Fatal Mission II, Chronic Hedgehog Megaworm
ASI 141 Black Dawn, Reversi II & Gold Rusher!
ASI 143 Intense, Xatoms & Pontoon (cards)
ASI 144 Brain Shave, Nibbly Nibble, Rejection & Cube
ASI 145 Puzzword, Kung Fu Charlie & Super Pong!
ASI 146 Entity, Battlecars II, Amastermind & C Solitaire

ASI 147 B'gam D Luxe, Tuts Tomb, Mancals & Parattack!
ASI 148 Pollymort, Nostalgium, Megamind
ASI 149 Glodrick, Web II, Eric Watch Your Step
ASI 150 O-Solve, Dot2Dot, Tactik Tank
ASI 151 Krillian Incident, Caffeine Free Diet, Zyrad
ASI 152 Klawz, Dictator 2, Big Will & Sticky Troll!
ASI 153 Exit 13, Beetle
ASI 154 Wackman, Bob's Garden, Kaboom
ASI 155 Megablock, Digger, Crazy Clock
ASI 156 Darts, Quackers & Karate Champ
ASI 158 Scrabble, Toado & V-Chess 2
ASI 159 Drivin Maniacs, Smidge, Colour Change
ASI 160 Prof. Bingo, Elektrek
ASI 161 Galadria, Space Inv. 2, Safrondream
ASI 162 Sports Challenge, Moria 5.4, USA 94
ASI 163 Cards, harp, plait, queens
ASI 164 Ataks, DIY 2
ASI 165 Depth Charge, Toobz, Interface Robots
ASI 166 Confuzion, Reuch 2, Hyperdrive
ASI 167 Megasquad, Zardoz, Rags to Riches
ASI 168 Mindrunner, Drelbs, Paracheese, Dynamite Warriors
ASI 169 Pee Bee, Turbo Hockey, Brain Damage
ASI 171 Galaga De Luxe, Christmastime, Amosteroid
ASI 172 Scorched Tanks, Doza Demo, Isolation
ASI 173 Ork Attack, Task Force, Pop Quiz
ASI 174 Meto Grasp, Statix, Kaselago
ASI 175 Mastrix Blaster, Ultimate Quiz, Dotz
ASI 176 Sports Chall 1, Incinerator Demo, Sports Chall 2
ASI 177 Golf, Checkers Conquest, Mucus
ASI 178 40 Thiefs, Cookie, Oxo 3D
ASI 179 Super Obliteration, Harrier, Raise the Titanic
ASI 180 Scorched Tanks, Crystal Caverns, Warheads
ASI 181 Mutant Penguin, Infiltrator, Rox
ASI 182 Dama, Colonial Conquest, Soko-Ban
ASI 183 Operation Firestorm, Quasi, Imperial
ASI 184 Tanx-n-Stuff, Picture Puzzle, 15 Puzzle
ASI 185 Metal Motion, Fatal Mission III, Wohle
ASI 186 Jelly Quest, Seahaven Towers, Quinzee
ASI 187 Snackman, Thunderstorm, Secret of Arcturus
ASI 188 Tricky, Fortress, Ping Pong
ASI 189 Ultraball, Godzilla, Amigawars
ASI 190 Gravity Force II, Dogfight, Blaster
ASI 191 The Turn, Steward's Enquiry (horses), Black Nebula
ASI 192 Peg It, Les Dennis Hangman, Push Button Switch
ASI 193 Alien Network, Super Tomcat, Flip Over, V. Olympus
ASI 194 Automobiles, Courli, Robot Rebellion
ASI 195 Galaga De Luxe II, Jigsaw, Brain
ASI 196 Shoot Out, Sole Defender, Street Speed
ASI 197 Pipeliner, Cubik, Overlander
ASI 198 Scot Football Manager, Viper, Push
ASI 199 Popcorn, Defender, Mastermind
ASI 200 Pub Darts, Battleships, Cave Runner Update
ASI 201 Hydrozone, Dizzy Lizzy, Orb-It
ASI 202 ST Bash, Toy Box, The Race

ALL ASSASSINS IN STOCK

DEMOS

M159 PINK FLOYD - THE WALL (6 disks, 2 drives, 1.3 only)
D310 WACKO METAPHORPH ANIM *
D311 ROBOCOP/RUNNING MAN ANIM *
D312 KEFRENS DESERT DREAM (2 disks)
D313 JESUS ON E'S (2 disks) 20 mins WOW!
D317 TECHNOLOGICAL DEATH Mega!
D318 SPACE BALLS Brill!
D319 TEKNO-A-TAK MEGA RAVE

D321 TROJAN TECKNO TRACKS
D322 DANCE TRASH (2 disks) Rave
D324 SILENTS DEMON DOWNLOAD (2 disks)
D330 SILENTS EXPOSE (2 disks)
D331 POSEIDON CEREBAL LOBOTOMY (not 1.3)
D333 STONEARTS ATMOSPHERE Great!
D334 KEFRENS DANE Short & Sweet!
D336 SPACEBALLS MOBILE

D342 MAYDAY RESISTANCE Rave & Strobes
D345 SANITY WORLD OF COMMODORE
D347 LEMON RINK A DINK (not 1200) Classy
D348 ZYNEX 3 (2 disks) Superb music
D349 WIND IT UP MEGAMIX -Fab rave + graphics
D350 RAVE LENGTH by Q-Bass Lobster, good tracks

CLR LICENCEWARE

EDUCATION

CLE08 NIGHT SKY.....£3.95
CLE10 BASICALLY AMIGA (3 disks) Get to know your machine.....£5.95
CLE15 FAST FRET Learn scales on guitar.....£3.95
CLE35 SOLAR SYSTEM 2 (3 disks).....£4.95
CLE46 BASIC HUMAN ANATOMY Covers brain, blood, nervous system etc.....£3.95
CLE47 SEA SENSE.....£3.95
CLE49 DINOSAURS 3.....£3.95
CLE51 PAINT PASTE & DRAW Colouring book.....£3.95
CLE55 BASICALLY BASIC.....£3.95
CLE58 T.C. STARS & GALAXIES.....£3.95
CLE61 SOUND ANIM STATION (2 disks).....£4.95
CLE62 BASIC MESSAGE (3 disks).....£5.95
CLE63 TUTANKHAMUN (2 disks).....£4.95

UTILITIES

CLU03 TYPING TUTOR Excellent; touch type.....£3.95
CLU09 PLAY & RAVE 2 Music module linker.....£3.95
CLU10 POWER ACCOUNTS Keep track of expenses.....£3.95
CLU11 CALC v1.3 Spreadsheet.....£3.95
CLU13 DATOS Powerful database.....£3.95
CLU15 EPOCH Calendar system.....£3.95
CLU21 INVOICE MASTER.....£3.95
CLU28 CREATIVE ADVENTURE TOOL KIT Make adventure games.....£3.95
CLU32 POWERTEXT 2 Wordprocessor.....£3.96
CLU33 AM TUITION Create WB3 type progs.....£3.96
CLU36 ILLINOIS PROFESSIONAL Fab labelling system.....£3.95
CLU37 FIND IT Super directory.....£3.95

GAMES

CLG08 DRAGON TILES Tile puzzles.....£3.95
CLG17 IMBRIUM DAY OF RECKONING Graphic adventure.....£3.95
CLG28 TIME RIFT Platform adv.....£3.95
CLG35 OG!! Cavemen.....£3.95
CLG42 CRYSTAL SKULL 3D role play D+D type.....£3.95
CLG44 VIKING SAGA Graphical strategy.....£3.95
CLG48 THE LOST PRINCE Graphic adv.....£3.95
CLG51 TEN PIN BOWLING.....£3.95
CLG54 NATIONAL HUNT - racing.....£3.95
CLG61 WORLD CUP MANAGER (3 disks) from qualifiers to final.....£4.95

WE STOCK ALL CLR TITLES

DELTRAX PD (AC),
36 Bodelwyddan Ave,
Old Colwyn,
Clwyd LL29 9NP

DISK PRICES:
1-2 Disks = £2.00 each, 3-15 Disks = £1.50 each
16-24 Disks = £1.25 each, 25+ Disks = £1.00 each

Overseas orders welcome payable in sterling please.

Catalogue disk £1.00. Fast, reliable friendly service.
Make cheques/postal orders payable to "DELTRAX PD"

POSTAGE & PACKING:
UK = 60p per order;
Europe = +20p per disk; R.O.W. = +40p per disk

Note: Prices are per disk and not per set

DEPT (AC) CLIP & POST

Name .....
Address .....
.....
..... Postcode..... Tel.....

public sector

Dave Cusick surveys the latest PD and shareware releases, fresh from the jiffy bag

Cheap doesn't necessarily mean nasty, a statement confirmed by the typically diverse selection of software that has tumbled gently into the PD postbag over the course of the past month. Whatever activity you may engage yourself in with the aid of your Amiga, there will most likely be something to tickle your fancy available for a few quid through the public domain...

ZXAM Spectrum AGA

Programmed by: Antonio J Pomar-Rossello
Available from: KEW=II software
Disk No. 01041

The wave of Spectrum nostalgia sweeping the Amiga scene continues with the arrival of another program whose sole purpose in life is to transform your powerful 16 or 32-bit machine into a vastly inferior computer dinosaur. What, you may ask, is the point of shelling out a few hundred pounds on an Amiga and then using it to play Spectrum games? Well, it would seem that despite the technical excellence of many modern games, today's offerings are often sadly lacking in the playability department.

Even though I never owned a Spectrum, having navigated the heady days of the early- and mid-eighties from the bridge of my trusty Acorn Electron, I can see that for some the temptation to experience those monochrome classics one more time could prove to be irresistable.

Although this is certainly not the first such program on the Amiga, in the past such offerings have been let down by an alarming lack of speed. Spectrum software has been known to run inexplicably slowly on even the fairly pacey 14Mhz A1200.

Fortunately, in this respect the ZXAM emulator is slightly ahead of its rivals, so at last the oldies can be relived at something approaching full speed.

The program does require WB3 to run, and features a standard intuition front-end. It can cope with Spectrum games saved by other emulators in a variety of formats, although in some cases you may need to rename the files for them to be recognised.

You can also, of course, load your old software from cassette, although you will need a suitable hardware connection such as a sound sampler to do so.



It still isn't up to full Spectrum speed unless you've got an accelerated Amiga, but ZXAM is at least slightly pacier than the opposition

ART of the MONTH



Never Liked Uno

Programmed by: Lego
Available from: OnLine PD

Slideshows are ten-a-penny these days, so it's refreshing to find one which features decent pictures which have not simply been scanned or digitised. There are plenty of pictures crammed onto this disk, covering a wide variety of themes, although perhaps unsurprisingly fantasy artwork is prevalent.

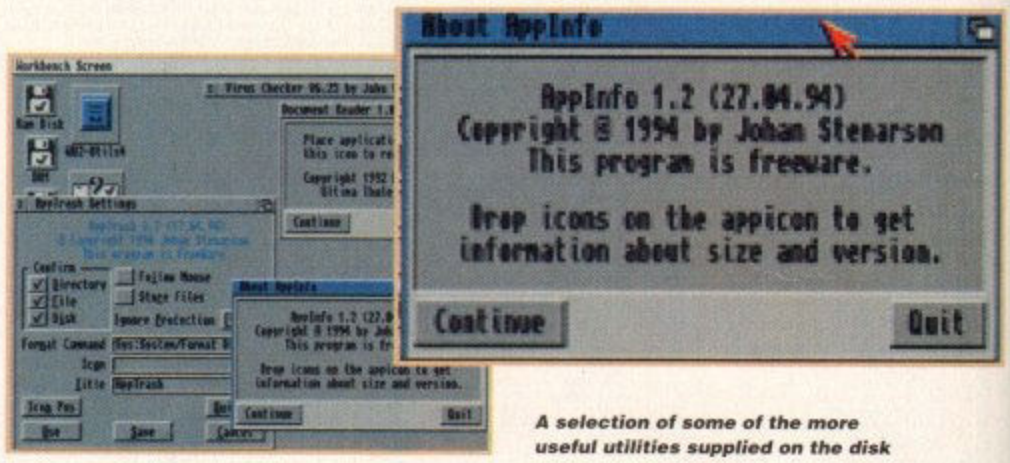
The pictures are colourful and stylish, and can either be viewed in sequence or individually. A couple of the fantasy ones are clearly inspired by Dungeons & Dragons – in fact there's one of a halfling which I'm sure is based on some artwork in a D&D rulebook – but that's no bad thing, especially when the pictures are this well drawn.

There's a pleasant enough tune playing away in the background, and the overall effect is pretty decent. Not bad at all.

WB2/3 Utilities 4

Programmed by: Various
Available from: KEW=II software
Disk No. W1114

As a general rule, on disks of this kind there will generally be a few run-of-the-mill programs, the sort that are copied to the



A selection of some of the more useful utilities supplied on the disk

ImageStudio

Programmed by: Graham and Andy Dean
Available from: Graham Dean

While many people could undoubtedly find uses for an Image Processing package, the two real heavyweights, Image FX and AdPro, both boast pricetags large enough to convince the average user that such a program is a luxury they cannot afford.

PD and Shareware authors have, however, been slow to attack the potential market. There was Grinder, which was only slightly less unpleasant to use than its name made it sound, but beyond simple file conversions it came nowhere close to filling the void.

Enter ImageStudio. It can read and write in an impressive range of picture formats, from standard Amiga IFF and Compuserve GIF to the efficient Jpeg compression system. It allows the user to adjust picture brightness and contrast, or apply a large selection of special effects including sharpen, emboss, and even user definable convolves. What's more, it does it all from within a beautiful intuition interface, meaning it is pleasant to use and extremely easy to work with.

It can handle 24-bit pictures with no problem, and as well as displaying them using either the internal viewer or an external user-configurable one such as ViewTek, the resizable preview window can use up to 256 greyscales.

Various effect windows can be left open on the screen so that they are quickly available, and the screen layout can be saved to disk along with other Preferences.

Perhaps the most impressive feature is the option to



A couple of particularly impressive pictures raise this disk slightly above the mundane fare of most slideshows

hard drive, maybe used once or twice, and then deleted next time you become short of storage space.

There will also be a couple of pointless programs which are ignored after you've read the ReadMe, and the odd highly suspect program which either crashes instantly or causes strange things to start happening. Just occasionally there may even be some really useful programs included.

On offer here, fortunately, we don't have any crashers, and there's only a couple of pointless programs. A couple of programs have even been granted positions on my already cluttered Workbench screen, which is surely the highest accolade I can award such utilities. Of particular note are the following gems:

● **DocReader** – At the heart of this AppIcon utility is a simple yet clever idea. Drop a program icon onto it and DocReader will search the directory for the appropriate documentation file with a .doc, .guide, or other similar suffix. If it doesn't find one it will simply open the text viewer with the file you dropped onto it, so you can simply drop the readme onto it if you so choose.

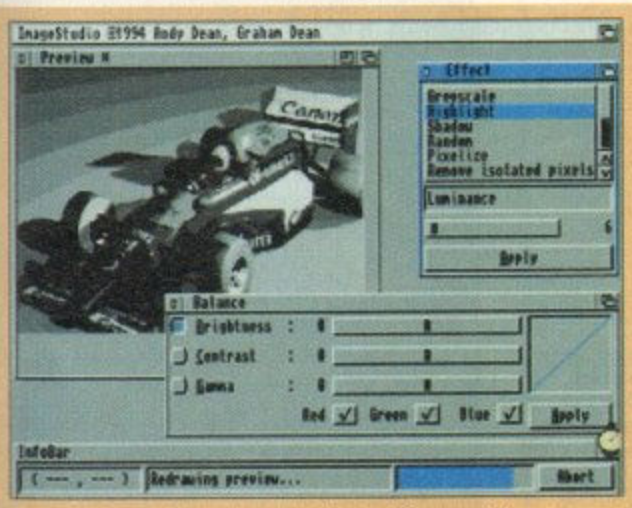
● **AppInfo** – This is an AppIcon which simply tells the user a few things about the specified file, including file size and version number, along with a version date if it can find one. This is another nice idea which could make hard drive management much easier.

● **AppTrash** – This is an enhanced version of the Workbench trash can feature. Dropping files and drawers onto it gets rid of them while dropping disks onto it will format them. Files can either be stored so that they can be removed from the trash later, or deleted instantly when dropped onto the trash can.

Oh, and there's also yet another flying toasters screen saver – how original. Still, it's more configurable than most of its ilk and at least it doesn't seem to crash the system. All in all, an interesting disk which won't exactly revolutionise the Amiga world but could be worth a look.



Not just a pretty face, Star Woids is a tough Thrust derivative which ought to provide a long-term challenge



A good range of image processing options and file formats make ImageStudio an attractive proposition

use a hard disk as virtual memory. This means that it can run in under one megabyte of memory, a feature that would certainly be welcome in many commercial offerings.

It means that if you apply several effects to a picture and then decide that you don't like any of them, you're not limited to only Undoing the last effect as it is possible to store up to 100 actions in the Undo/Redo buffer.

You'll need one megabyte and WB2 to use ImageStudio, and having an AGA machine is a definite advantage for picture displaying, although it is by no means essential.

The PD demo version has all options enabled but can only handle pictures up to 250x250 pixels. The full version, along with an optimised 68020 version, is available for a very reasonable £10, extremely good value considering the features on offer.

Calling all PD libraries....

....and individuals with anything remotely worth my while having a peek at. If you want something released as PD, or you're a library with stacks of hot new stuff that you haven't seen reviewed yet, why not drop me a line with a copy, full documentation and everything clearly labelled? I promise I'll at least look at your work.

Tina Hackett, PD Submissions,
Amiga Computing, *Europa House, Adlington Park, Macclesfield, SK10 4NP.*

Star Woids

Programmed by: Martin Kift, Rowan Crawford and Rob Wells
Available from: OnLine PD

One of my favourite 8-bit games was Thrust, since it was not only highly enjoyable but also fairly challenging.

For those who never sampled the delights of Thrust or its Atari ST cousin Oids, the game consisted of guiding your tiny ship around planet surfaces and cave networks.

Your ship was viewed from the side and rotated when the joystick was moved left or right. It could thrust in whichever direction it was facing when the joystick was pushed up. This made simply steering the ship quite tricky and when enemy gun emplacements were added then things could become really tough.

Your objective was to journey to several planets and retrieve from each one a bizarre ball thing that dangled awkwardly beneath the ship, making keeping control even harder, before destroying a nuclear reactor buried in the caves and escaping from the planet within ten seconds.

As a great fan of Thrust I was particularly impressed by this classy derivative. The principle gameplay difference between Star Woids and Thrust is that here you are collecting Rebel Soldiers from the planet surface, instead of strange spherical objects. Rebel Soldiers? Hang on a minute. Star Woids... Rebel Soldiers... Has this game got anything to do with Star Wars?

Well, yes. The authors make no secret of the fact that Star Woids borrows considerably from the Star Wars films. This is particularly notable in terms of presentation, with an impressive rendition of the title tune and some short animated sequences involving X-wings and the like.

I hope this doesn't create difficulties for the creators in terms of copyright problems because in addition to boasting an elegant facade, Star Woids is a playable and challenging game.

One megabyte of memory is required to run Star Woids. This is only a three level demo, and for the full game you'll have to pay a £10 registration fee. That said, however, I'd be surprised if you finish the demo in a hurry because it's not easy.

Quackbusted 2

Programmed by: Rednex
Available from: OnLine PD

Alright, I confess you could justifiably call me a bit cynical. In fact, that's a lie, you could call me very cynical. On the whole I don't really see the point in demos because, while they are very impressive when first watched, they are somewhat lacking in long-term interest.

Wouldn't the programmers (who are clearly quite talented if they can produce these pieces of technical wizardry) be employing their time more productively if they produced some useful software?

Quackbusted, and I must admit to being completely mystified as to the reason why it was so christened, is actually fairly good. There are some nice effects, and you might actually happen across a couple you have not encountered before. Of course, in order not to become bored rapidly you really need to appreciate gently moving spiral effects.

The music especially is worthy of a mention. I have a feeling that had I been five years older or if I frequented the more obscure Stockport music shops I might have been able to recognise it. Anyway, whether it is an original tune or not it is excellently sampled and crisply reproduced, and despite some cheesy electronic organ-style slides it is one of the best Amiga demo tunes I've heard in a while.

Throughout the proceedings, various words of wisdom in the form of song lyrics appear on the screen. Fine, if you happen to be a fan of the Nine Inch Nails or the Dead Kennedys, although if you're into slightly more, erm, mainstream music you may find they spoil the effect of the spiralling patterns. There are also various messages from the programmers. Unfortunately, some of these you probably won't understand because they're not written in English, whereas some of them you will but may wish you couldn't because they're written in bits of English you wouldn't generally use in polite conversation.

It's a shame that many demo coders are unable to produce a disk without at some point bombarding the audience with a shower of expletives, because in this case it spoils an otherwise quite reasonable production. AC



Quackbusted. Why? What does it mean? What's going on here? It's bizarre, occasionally interesting, but ultimately a little pointless

Genie

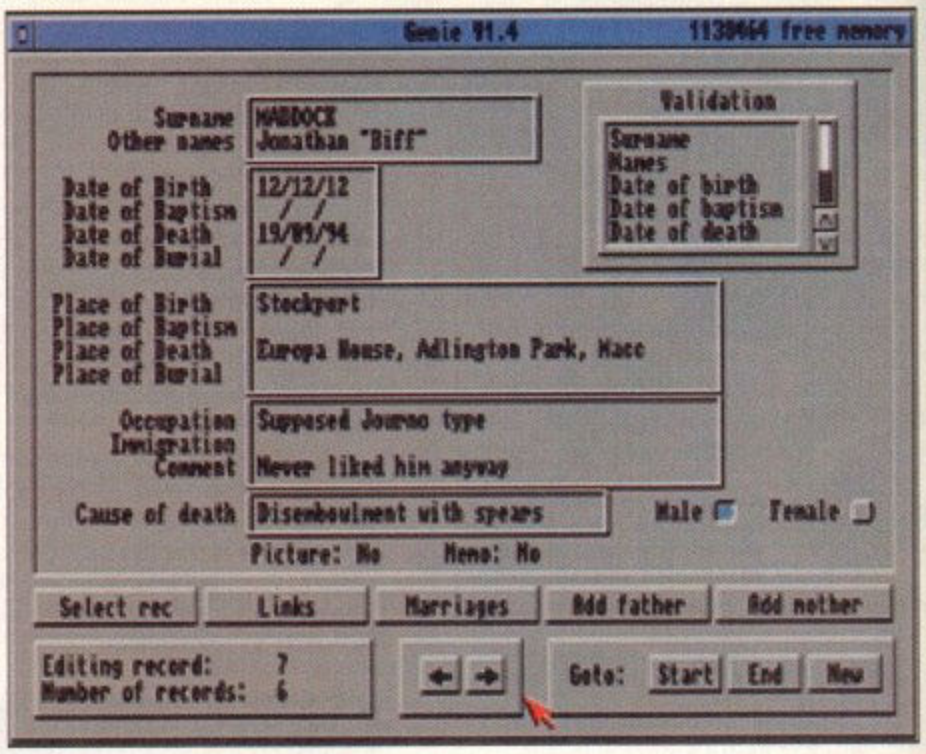
Programmed by: John Godley
Available from: John Godley

Genie is quite an impressive family history database program, capable of storing details of the relationships and marriages of up to 9999 people on hard drive systems and 1500 on floppy. While genealogy will not be everybody's cup of tea, Genie will probably prove a great help for those who are interested.

Although Genie was written in AMOS, the author has gone to some trouble to try to provide a Workbench 2 interface. Information is easily entered into the text gadgets and once the data on several people has been input, instructing the program as to the relationships between them is a simple matter of clicking on a few buttons.

Once all the necessary data has been input, Genie can organise and print out tables of information. Family groups, lists of individuals and so on can all be output. Pictures of people and marriages can be linked to the records and to avoid confusion in families with lots of similarly named people, comments can be added to the records to differentiate between them.

Genie requires one megabyte to run. It comes in two flavours, the full registered version and the freely distributable PD demo which has the printing features disabled. Registration costs £5, and for those interested in charting their pedigree then Genie should be very valuable.



Trace your family history with the aid of the thoughtfully designed Genie

lay your hands on me

KEW=II software
PO Box 672, South Croydon, Surrey
CR2 9YS
Tel: 081-657 1617

Graham Dean
14 Fielding Avenue, Poynton,
Stockport, Cheshire SK12 1YX

Online PD
1 The Cloisters, Halsall Lane, Formby,
Liverpool L37 3PX
Te:. 0704 834335

John Godley
91 Whitley View Road, Kimberworth,
Rotherham S61 2HJ

PDSOFT
Bryan Avenue Southend
on Sea ESSEX SS1 2YD
Tel (0702) 466933
Fax 617123

MasterCard VISA SWITCH

aMiNeT 3 [ThE InTerNET]



Aminet is the worlds largest Amiga PD collection. Over 10,000 users access the vast collection, with the series of CD roms it gives you the access without the Phone bill. Its an on going range of CDROMs which is updated every 4 months. Aminet 3 Contains 1,600 Aplications, 200 Games, 500 Songs, 350 Demos, 250 Pictures, & 80 Anims.

❑ **AMINET SUB** £16.99 A Subscription service is now available on the AMINET CD range. Charged £16.99 on day of release (same day dispatch) for Aminet 4 (Apr. DEC94) and so on. Be the first to get it.

❑ **PRE-ORDER** 4 You can pre-order it for **£16.99**

FRED FISH Presents FRESHFISH, GOLDFISH, and FROZENFISH CDROMs



Fresh Fish 5 - 220Mb Archived material from the CDand Previous Fresh Fish CDs, 169 Mb of Full GNU source code.77Mb of libraries. 6Mb of Commodore include, libries. & developer tools (V37-V40). +more. (£19.99)



The GoldFish CD-ROM- is the offial archive of this floppy based library. Contains all 1,000 disks in both archived (BBS-Ready) and unarchived (ready to run) forms. (£29.99) (V37-V40). +more (£19.99)



Fresh Fish 6 - 220Mb Archived material from the CD and Previous Fresh Fish CDs, 169 Mb of Full GNU source code.77Mb of libraries. 6Mb of Commodore include, libries. & developer tools (V37-V40). +more. (£19.99)

❑ **FROZENFISH (1-1000)** (CD5000) Contains the complete floppy disk collection of Fred Fish. Lha formats. (£19.99)

RESERVE ME !!

❑ **FROZENFISH 2 £19.99** all new material from Fred Fish Floppy disk 1000 right upto date.

❑ **FRESH FISH 7 £19.99** THE latest selection of material from fred fish. Released Dec94

❑ **FRESH FISH SUB** (CD4000) a SUBSCRIPTION service which will ensure you receive the latest FRESH FISH ed as they are released. Credit card and SWITCH cards only.

SPECTRUM

❑ ^+ **V1084 SPECTRUM v2.0** Want to run your old spectrum software on the Amiga then this is for you. (2)

❑ ^^ **V1531 SPEC (AGA) v1.35** Interfast on A1200s and A4000s (2)

❑ ^+ **V1257 Games 1-4 .... (4)**

❑ ^+ **V1261 Games 5-8 .... (4)**

❑ ^+ **V1338 Games 9-12 .. (4)**

❑ ^+ **MEGALOSOUND £34.99** Now you can convert all your old tape games/ programs to Amiga disk format.

PC TASK v2.0

❑ ^+ **Code:T1001 £34.99**

NEW VERSION

PC Task! allows you to run the majority of PC Programs on your own amiga. Works with all amigas but the faster your machine is the faster it can work. Transfer files from amiga to pc. Run MSDOS, Supports upto 2 drives & hard drives. Supports CGA, EGA, VGA, Mouse, CD-ROM, and more. All this and its software not hardware WHOW.

Fonts & Clipart £19.99 The Professional CD

(CD28) How about every single font we have ever produced! on one CD thats over 4,000 Adobe type 1 font files, 1,500 True Type Fonts for windows, Prodraw Fonts, IFF Mono and Colour fonts, Pro Page II Fonts, Page Setter II Fonts. Also contains a wide selection of new clipart Over 5,000 PCX files, 300 GIF Pics, 1,000EPS Format, and 2,379 TIFF files, all this and it works on any PC. The idea DTP Users CDROM.

CDPD4 £19.99



Complete GNU C / C + + compiler distribution with CBMv40 include. Complete AM/ PM magazine disks. RAYTRACING: Image objects, textures, tutorials & guides, utilities, loads more.

HoT StuFF 4 CD

Contains only the very latestMega Demos, Games, Slideshows, Music, Magazines, Demo Collections, Anims, Rave Demos, Sampled Sounds, and a complete Anims selection feturing Eric Schwartz, Large memory & disk consuming anims + loads of 1-7Mb anims. Also all of our AGA collection like, Anims, demos, mega Demos, Games, WB utls, Art work, Educational, Programming, Samples, Modules, Video Utils, IFF Pics, GRX, Demo Makers, Anim Utls, Hard & Disk drive utils etc.

£19.99

Released at the Show

Other CDROMs £19.99

❑ CD8 MULTIMEDIA TOOL KIT
❑ CD19 NETWORK £14.99
❑ CD33 THE AMOS LIBRARY CD
❑ CD34 ASSASSINS GAMES CD
❑ CD38 MULTIMEDIA TOOLS 2
❑ CD42 CLIP ART £9.99
❑ CD11 SOURSE CODE
❑ CD14 INTERNET INFO
❑ CD15 CLIPART CORNUCOPIA
❑ CD16 AMINET II
❑ CD44 SOUNDS TERRIFFIC
❑ CD26 LOCK AND LOAD GAMES

UTILITIES CD £19.99

Contains all of our Various (Numbered disks) From Number 1 upto 1500. Sujects covers like Sound Samples,Instruments, Modules, pictures & Clipart mono, colour, Educational, Business utility disk, Graphics & Music production, HD utils, Workbench utilities, comms, Virus killers, Video production, Emulators, Hobbies, Programming, Fractals, Printer utilities, Databases, game related, sound related software, Animation, home and prediction, hardware software, cd rom related, Medand Octamed, Design work, Anims, demo makers, Cheats disks, vector objects, designers and black start utls, Art related, CAD, decompression software etc.

Released at the Show

UTILITY DISKS

❑ ^ + **V16 AQUARIUM** Turn your screen into an eyecatching Fishtank.

❑ ^ + **V298 NORTHC v1.3** Complete Clanguage with all files needed.(2)

❑ ^ + **V301 EYE OF BEHOLDER** Book with Maps, Strategy & Solution.

❑ ^ + **V490 MESSY SID v2.0** Reads MS-Dos disks, Transfer any text files to & from an IBM PC, ie PC to Amiga

❑ ^ + **V523 DICE C COMPILER** Matthew Dillons full featured powerful C compiler & environment system. Complete Clanguage (2)

❑ ^ + **V536 CATALOGUES** A collection of utilities used to Catalog all your disks/ Video tapes and audio tape collections (2)

❑ ^ + **V575 HOME BUSINESS** Based on word processing, Data Management, Spreadsheets, Accounts & Printing. (6)

❑ ^ + **V662 DCOPY v3.1 PRO** You can select the speed of the disk drive, Copy modes, Dos, Nibcopy, Ver & safecopy

❑ ^ + **V719 FREECOPY v1.8** Removes protected games copy protection so that the user can install them on HD.

❑ ^ + **F691 PRO C MANUAL v3.0** Is the largest collection of utilities, documents & examples for C, It consists of six manuals, with over 40 chapters (5)

❑ ^ + **V786 PASCAL** Everything needed to program in Pascal.

❑ ^ + **V787 PROGR. TOOLS** GadTools to design your user interface to your own programs using all of DOS 2.0+

❑ ^ + **V794 GRINDER** Complete graphic conversion package that supports GIF, JPeg, Atari St. PCX, Targa, TIFF, Ham-E and IFF Formats

❑ ! - **V817 A500P EMULATOR** As it sounds will let v1.3/v1.2 owners run WB v2.x+ software WITH-OUT any need to purchase the Workbench v2.x chips.

❑ ^ + **V821 SNOOPDOS v1.7** Monitors Dos calls to see what library, devices, fonts are required if a program won't load

❑ ^ + **V928 LITTLE OFFICE** Has a Word Processor and others programs to aid a small business or company.

❑ ^ + **V979 NCOMM v3.2k** Is a comm-unications program based on Comm v1.34 with lots of very nice enhancements

❑ ^ * **V1017 POST v1.86** An excellent Postscript interpreter for the Amiga which implements the full Adobe language (3)

❑ ^ + **V1021 (AGA) SCREENS** Enhance your Workbench disks with backgrounds like these's. All pictures in full AGA colour.

❑ ^ + **V1022 LITTLE TRAVELLER** Shows a world map. You can select any country for travel information. Zooms upon other map with detail.

❑ ^ + **V1039 HARD DISK INSTALL** If you need to install your A1200 HD then you need this set of disks which can do a low-level format and then install WB 3.0 (2)

❑ ^ + **V1041 DIGITAIL B.BOARD** Full featured digital circuit simulator

❑ ^ * **V1043 SUPER DARK.v2.4a** A screen blanker like After Dark from the MAC

❑ ^ + **V1044 FANNY PRINTING** Banner, Graph Paper v1.2 and Disk Print v3.59.

❑ ^ + **V1051 EASY CALC PLUS** A spread sheet designed to be both easy to use and fast. Built in excellent help system.

❑ ^ + **V1056 DEVELOPER** The official Commodore developers Kit for the Amiga, Amiga Guide & install utilities.

❑ ^ + **V1060 BOARD DESIGN** Includes mCAD v1.26 and several terrific routines for the electronic enthusiast.

❑ ^ + **V1069 PRINTER DRIVERS** Desk-jet 550c, 500, 500c, Ricoh HP1200, Canon BJ300, 130, LP9I, 10e, PI1080i, HP Painjet.

❑ ^ + **V1079 KEYBoaRD TRAINER** Best Public Domain Typing Tutor.

❑ ^ + **V1093 PARNET SET-UP** A two way network file system between two parallel ports, establish via two amigas. (2)

❑ ^ * **V1095 THE DEGRADERS** If you have trouble running software on an A1200 or A4000/030/040 give this disk a try it will emulate the basic 1.3 rom better that any other software on the Amiga at present.

❑ ^ * **V1104 COLOURED ICONS** Transfer your disks into colourful well presented works of art with this database of excellent icons

❑ ^ + **V1109 STAR VIEW** Is designed to show graphically the positions of the stars and planets from any point on Earth.

❑ ^ + **V1110 FORCAST v2.01b** Is a Horse Racing prediction program which uses statistical analysis of Major factors.

❑ ^ + **V1114 PRINT LABELS** DocDump2, LEnvelope Print v1.2, Inlay Maker v1.4, MC master v1.1, Banner Press, Label Print

❑ ^ * **V1136 DISKSALV 2vv11.31** is a disk structure, file repair come salvage or undelete utl, HDClick, is a hard drive menu.

❑ ^ + **V1137 (AGA) UTLs 4** Test, BBlank, CheckAGA, CyclesMenu, Doubles, Force VGA, GIF Datatype, PKLedge, PPShow, RemDM, ViewTek and Verbaf.

❑ ^ + **V1138 (AGA) UTLs 5** Degrader, Pen-Ray, AmigaTo Double, Card-MemLast, Palette, Promotor, RomTagMenu.

❑ ^ + **V1144 GRAPHICS** JPEGfiles, DJPEGAsv37.1, MakeAnim7, AGA Anim playback 3, Anims-Sv1.1, S-PICv1.2

❑ ^ + **V1161 GOALKEEPER v1.0** Computer soccer administration program. Create your own Mini Football League or cup programme.

❑ ^ + **V1164 (AGA) A1200 FIX DISK** Contains all what you would need for getting disks to work on your new a1200 computer.

❑ ^ + **V1178 KS 3 EMULATOR** This disk is a multi kickstart selection utility disk. You can select Kickstart 1.3 (34.005) Kickstart machine (as it is) Kickstart 3.0

❑ ^ + **V1179 FILE-O-FAX** Designed for you to work at your own leisure without worrying about forgetting those important meetings, or names, address, tel Number/ cost.

❑ ^ + **V1184 AMIGA DIARY** Is a mouse driven diary capable of storing all persion events and is the solution to those forgotten birthdays, missed appointments

❑ ^ + **V1196 DESKTOP VIDEO** Is a disk with making and editing your very own video master pieces. Excellent software.

❑ ^ + **V1200 MAGIC W/B** Is a selection of icons or items to enhance your Workbench screen and environments.

❑ ^ + **V1207 OCTASTUFF** A new collection of utilities to come samples/core modules for use with the famous OctaMED

❑ ^ + **V1209 GNU C++ COMPILER** Requires: HD 6Mb+, Disks consists of the latest version of the GCC environemnt, The compiler, driver, assembler, linker, header files, inline code generation of libraries. (3)

❑ ^ + **V1213 PROGRAMMING** Contains the Programming languages like, Ace, AmigaE, AmigaEdo, SBProlog, BCPL4AMI, EGUI, Pascal and others (3)

❑ ^ + **V1219 THE AREXX GUIDE** Full Amiga Guide document to teach you Arexx!! Tip filled with easy cross referencing.

❑ ^ ^ **V1221 (AGA) BLANKER** BlitzBlanker has 14 different blankers all ready to show off your AGA machine!

❑ ^ + **V1222 PANASONIC STUDIO** Special printer Preferences editor and driver system for all Panasonic 9 & 24 pin printers.

❑ ^ + **V1223 CANON STUDIO 2** Printer driver and preferences editor for 800dx/680, LBP A1-2, BJC800, BJ510-130.

❑ ^ * **V1227 GADTOOLS v2.2c** Contains a collection of sharded libraries intended to provide programmers with new GadTools

❑ ^ ^ **V1229 (AGA) MAIN ACTOR** (v1.53) A modular anim package with many features, IFF-Anim 5/7/8, IFF AnimBrush, PCX, playing from HD or in a window. (2)

❑ ^ + **V1236 INVOICE PRINTER** Will print invoices onto your letterheads. Much cort after. Ideally suited to a small business.

❑ ^ + **V1242 RE-ORG v3.11** parfait shareware disk optimizer for AmigaDOS.

❑ ^ + **V1243 IMAGE 2.0 OBJS** Volumes 4 to 7 packed to bursting point of Images for use with that amazing program Image. (4)

❑ ^ + **V1247 TEXTURE MAPS** in 320x200 JPEG format for use with any rendering programs, textures like Organic, Miscellaneous, Stone, Wood etc. (3)

❑ ^ + **V1250 SOLDERING** Contains many useful tools for drawing good quality circuit diagrams, and also vero-board (strip board/ solder board) lay-outs. complete system.

❑ ^ + **V1269 OCTAMED TUTOR** A simple guide through the basics of this excellent music program. From OctaMED 3.x upwards

❑ ^ + **V1273 AMICDROM v1.7** A CD-Rom disk filing system for the Amiga. It supports the ISO-9660 standard and will mount the drive as a dos device. You can even access files and directories on a CD.

❑ ^ * **V1277 STAR STUDIO** Printer driver for controlling any printer printer.

❑ ^ + **V1278 MAIL-O-DEX** An excellent way to keep names, addresses, Phone numbers, ect & then print them out.

❑ ^ + **V1279 PRINT-A-CARD** Want to print a business card or any other type of card then this is the software for you.

❑ ^ + **V1280 DIVIDEND WINNER** a pools prediction tool which will advise which numbers to enter on your coupon based on sequence prediction.

❑ ^ + **V1282 FOOTY v1.9** sit back with your mouse-mat on your lap & keep track of whats happening in the leagues.

❑ ^ + **V1286 PRINTER DRIVERS** Now also contains the program called sid for easy installation of the Printer Drivers.

❑ ^ + **V1303 SCALA PICTURES** Pictures in 736x580 16 colour format for use with The program Scala. Theres about 15 pics in total and are very sharp indead. (2)

❑ ^ + **V1305 THE V.W.S v4.0** VIRUS WORKSHOP. Was produced to get rid of all the viruses around. Takes over where BootX left off.

❑ ^ * **V1307 NETWORKING (3)** Contains utilitats to help and in Networking your Amigas like AmigaNOS, DNet, PaciSetNet, also contains various update devices and libs.

❑ ^ * **V1310 GUIDES** Contains AGA Guide, which gives full Amiga Guide information and Libs Guide is a Guide to the Amiga Libraries, find almost every Library.

❑ ^ + **V1311 CD ROM** Contains a selection of CD Rom related utilities like CDTV Player v2.2, PlayCDDA, ReadDCTV

❑ ^ * **V1313 GBLANKER v2.7** Is a complete modular screen blanker package designed with DOS 2.04 or better in Mind. 14 Different Blankers and a message system.

❑ ^ + **V1318 (AGA) SWERVE** Is a selection of images for use as back grops all are in maximum overscan for best results.

❑ ^ + **V1319 MAXIFLIFE** Enable you to take complete control over your finances. SPENDWIZE is a tool to assist you in maximising your return from your outgoing.

❑ ^ + **V1321 EDWORD PRO v4.1** Text language editor or Word processor on the Amiga with over 100 features. By M Reddy

❑ ^ + **V1326 COMMANDS & LIBS** over 100 commands that lie within a c directory. and over 20 libraries will spruce up your disks.

❑ ^ ^ **V1330 (AGA) COLLECTION** AGA source code, IFF Binary convert, Sprite Converter, ColourConvert, PPShow, Viewtek

❑ ^^ **V1335 LIBS & DATATYPES** (AGA) 47 Libraries for workbench 3 computers, allare right up to date and just waiting for you.

❑ ^ ^ **V1336 BBC EMULATOR** Special commands allow existing files to be transferred from a BBC with DFS by means of a cable. BBCs RS423 port to Amiga RS232

❑ ^ + **V1354 FIVE STAR v1.0** A powerful prediction tool for LOTTO, POOLS, SWEEP, DOUBLE and HORSE races)

❑ ^ * **V1355 MPMASTERvv2.0** A useful MIDI program that enables to transmit/receive samples via MIDI between the Amiga and any MIDI device. Easy workbench interface.

❑ ^ + **V1356 NOERRORS v1.3** Functions as a fake physical disk error from floppy disks and hard disks, so these disks can then be used without showing read/write errors.

❑ ^ + **V1357 CITIZON MANAGER** Superb prints that, have been tailored to suit the Citizen range of printers

❑ ^ + **V1358 10 OUT OF 10 MATHS** is a suite of six education al games designed to help children get to grips with 10 specific topics.

❑ ^ + **V1359 EPU v1.4** Double your hard drive capacity by installing EPU. After installing EPU to any Device (HardDisk, Floppy, Raddic) every file which will be written to the device will be compressed and when any compressed file is read it will be automatically decompressed.

❑ ^ * **V1360 WB 2.0 TUTORIAL** If you are new to the Amiga - WELCOME!! There is a lot more options open to you than just playing games. Breaks down the makings of Workbench & make them more understandable to the user.

❑ ^ ^ **V1361 (AGA) 16-COL ICONS** These icons were beautifully drawn by Roger McVey, and I must add that the originals are the best icons I have seen on any system.

❑ ^ + **V1362 CHECKER TOOLBOX** Incredible Amiga diagnosis program. Runs self test on all chips, all floppy's and even the disk drive! All your hardware tested and displayed in graphical information.

Every Amiga owner should have a copy! Find out what is wrong with your Amiga before going to the repairers to get it fixed. It may save you a bob or two!.

❑ ^ * **V1363 AD&D ASSISTANT** play-time dungeon master's assistant and CHARGEN.GUIDE v1.0

❑ ^ + **V1367 CHEQUE-MATE! v1.0** Will help you control your personal finances. Enter details about cheques, salary, direct debits

❑ ^ ^ **V1369 ENCRYPALGORITHM** The Rivest-Shamir-Adleman encryption algorithm is one of several recently developed techniques for encryption which put immensely secure encryption within reach of the home computer user. Non-AGA V1368

❑ ^ ^ **V1371 (AGA) ASI FIX DISK II** utilities to reclaim lost hard drives, files and check-sum errors, software like AGAFixes, Force VGA, KillVGA, RunLamic, RunPAL v1.1, ScreenModeChanger and Shutup

❑ ^ + **V1384 HOW TO CODE IN C** Covers Debugging, Intution & Grafik, Kodbibliotek, Tips, Tricks, AmigaAsm FranC, DosIntuition, Workbench-start, DMake, GadToolsBox + Power Source. (2)

❑ ^ + **V1393 STEREOSCOPIC v2.4** is a simple package that allows you to create 3D Stereograms. Use any background.

❑ ^ + **V1394 CD-READER v1.1** is based around the parnet networking system and uses the standard parnet cable if you do not have we can send you one for £9.99.

❑ ^ + **V1400 3D STEROGRAM** 3d Picture Show. All images are 3d stereograms.

❑ ^ ^ **V1401 (AGA) GRAPHICS** Contains AGA Images, Brother, HAM8, Face-Paint 256 and Thunderbird, HAM8, Attributes, Chrome, Chrome2, Gold, Lipstick, Rubber, Skin and Wood. Images, Duet, IFF, Objects, Guitar, Ice Cream, Milkbottle, Mushroom, Television & Thunderbird 3, + Wraps.

❑ ^ + **V1404 DMS v2.03** The Device Masher system will compatch a complete disk to a single file on your hard drive. Excellent for backing up software disks.

❑ ^ + **V1405 VIRTUAL UTILS** Contains five utilities containing everything needed for any Amiga user to make virtual memory from their hard drive. The Amiga is fooled into thinking it has massive amounts of RAM when really it only has a small amount.

❑ ^ + **V1416 EYE OF THE BEHOLDER** Utilities like end of level saved game file, Special quests explanation, Character Editor, Eye of the Beholder Solution.

❑ ^ + **V1417 BANNER V1.5** A smart character rendering utility for - surprise - banners. SNOOPY v2.0 Enables you to monitor library functions call out any library you wish.

❑ ^ + **V1418 VIDEO TEST SYSTEM** is a collection of 20 test patterns (displayable with any IFF animation viewer) that can be used to evaluate monitors, TV sets, VCRs, and other NTSC video equipment.

❑ ^ + **V1420 SIGNITUR CREATOR** The Deluxe Signiture and Coat of Arms Creator You get a selection of letters for use in your new signiture.

❑ ^ + **V1422 BANK MANAGER** The trouble with statements is that they only tell you what you have spent after its gone.

❑ ^ + **V1423 TELETEXT V1.2** This project makes it possible to view Teletext (also know as Teletext, Videotext, Ceefax, Skytext, Supertext etc.) on your Amiga. It is available for any PAL Amiga.

❑ ^ * **V1424 PROGR. DESIGNER** Was written to make designing Intuition interfaces for your program easier and quicker.

❑ ^ + **V1425 IMAGINE IMAGES** All the slides were created by craig collins using imagine in various incarnations. The text slides are 640 x 512 16 colour hires laced and the rest are 352 x 566 ham lores laced. (2)

❑ ^ + **V1428 FOOTBALL LEAGUE** Select from a list of all the players and then send in your details in to play in a play-by-mail game with other people.

❑ ^ + **V1430 N.D.U.K V37 (4)** Programming Tools. Portions of the Commodore Native Developer Update Kit that can be licensed for separate distribution. Includes the fd files, libraries, startups, C include files, and tools.

❑ ^ + **V1435 GAME WARPER** This program is a utility which provides hacks for 10 of the most low-suite games and has special facility for entering cheat codes/pokes into games. This utility requires an Amiga with 1Mb of RAM, a 1Mb (or better) mouse and at least 2Mb of RAM. By D.C Taylor (120) version

❑ ^ + **V1436 ABANK V1.0** It is about to easely manage accounts. This software holds numerous options which are detailed in the documentation (e.ASCII format and in Amiga Guide format). It's compatible from 1.2 to 3.0 systems.

❑ ^ + **V1437 FOOTBALL ICONS** Icons to fit on to this disk are: All the teams at this years World Cup Finals plus a whole lot of loosers who didn't make it including Scotland, England, Wales & Northern Ireland. Plus the entire Scottish and English Premier Leagues plus European league sides plus four drawers specifically for Rangers, Manchester Utd, Celtic and Newcaster Utd has a team and ball with icons.

❑ ^ + **V1438 WB 3.0 SCREENS II** Enhance your workbench disks background with theses nice full colour pictures. Can be used as backdrops for you workbench.

❑ ^ + **V1439 DOS REFGUIDE V1.0** The first and only Amiga Dos reference Guide on the Amiga range hits the computer disk.

❑ ^ + **V1440 DATAMASTER** This database has many good features including a maximum of 99999 records in one database and upto 256 fields in one record. There are extensive searching facilities and printing possibilities. Very good.

❑ ^ + **V1442 ROME [GCSE LEVEL]** This disk is aimed at those at school or anyone else studing ancient Rome around 300 AD. Lots of information. Good educational tool.

❑ ^ * **V1443 HCE V1.0 (2)** C Compiler environment for the Amiga. By Detlef Waerkner modified Compiler and Editor source codes so as to be able to combine the two and make a single program, 'HCE' By Jason Petty.

❑ ^ + **V1445 SPK & SPELL MATHS** An educational quiz game with speech. SPELLING, Animal Words, Colour Words, Dates and Days, People and Jobs and more. MATHS, Maths Practice, Get other Maths Questions, Set levels etc. Ages 4-7.

❑ ^ + **V1446 APLUSPLUS V1.01** The A++ Library is a library written in C++ that consists of classes assigned to the task of encapsulating the Amiga+ system software. Its aim is to provide a stable and effective method of programming the Amiga. (3)

❑ ^ + **V1462 AMIGA FAX V1.4** Is a software package that, in combination with a FaxModem, allows you to send and receive faxes/file information from your Amiga computer. Received faxes can be viewed, printed, forwarded to other fax machines, and saved as ILBM files which can then be accessed using many standard Amigaon programs.

❑ ^ + **V1467 AWARD CONSTRUCT** A very handy tool for creating your very own awards and certificates. There are many styles, fonts and graphics to choose from.

❑ ^ ^ **V1468 GAMES HD INSTALL** Provides you with the software needed to install certain games onto your A1200. The games that this disk can install are Body Blows, Goal, Lemmings 2, Superfrog, and Walker. Could be very useful.

❑ ^ ^ **V1471 (AGA) GATHERING 1994 GRAPHICS PACK 1-6** A truely excellent set of AGA pictures. The pictures are displayed in a slideshow and the artwork is exceptionally good. (6)

❑ ^ + **V1479 NEXT GENERATION WB** Powers up the Workbench photons & readys your system for the Star Trek experiences.

❑ ^ * **V1508 PAINT-IT! V2.0** This is a colouring book for kids, it has loads icons for you to press and each has it's own unique sound!!. This in the cut down version, so it only has 5 pictures, the full program has loads for you to colour in!!!.

❑ ^ + **V1509 PRO-GAMBLE V1.0** is a horse racing prediction system thats easy to use and accurate in it's predictions.

❑ ^^ **V1512 256 COLOUR ICONS** This disk is full of lovely colourfull icons for use in WB3 only as they are 256 colour images. Draws, tools & project types.

❑ ^ + **V1513 SCION V3.13** An geneology application. It provides all you need to build up a computer database of your entire family tree and all the relating details.

❑ ^ + **V1514 ABC PATTERNS** For those of you who get a little bored with the old plain grey Workbench, here is a disk full of all the WB patterns and screens. Good.

❑ ^ + **V1516 TERM V4.0 (2)** The latest version of this very well known comms terminal program. Version 4 has even more features and although it is not for beginners it is probably the best available.

❑ ^ + **V1518 APOLLO 11 (2)** A very informative hypertext book all about the famous Apollo 11 mission which allowed man to set foot on the Moon. Stacks of information interspersed with photos, documents and diagrams. Very good.

❑ ^ + **V1522 VIRTUAL WORLDS** An adventure creator for which you need no programming knowledge to create worlds. Using an easy to use peer and click interface, you can design an entire adventure without having to type in a single line of code.

❑ ^ + **V1523 RELOKICK V1.41** Howdi doodledy doooo Amiga freaks! It's ANOTHER(!) version of ReloKick.

❑ ^^ **V1532 RAYTRACED ALIENS** HAM of a Profiles of the Alien.

❑ ^^ **V1534 ICONIAN V1.97** An icon editor with all the functions of IconEdit under OS3.0, plus more. Features: Support for sizable windows and custom fonts

❑ ^^ **V1535 (AGA) JPEGAGA** Highest quality JPEG viewer (Laroup-flicker) but picture is available to uses the HAM8+ mode

❑ ^* **V1537 MAGICCX V1.0** The definite commodity/system enhancer for any Amiga running OS 2.x or better.

❑ ^* **V1538 MASS ICON ALTER** allows manipulation of many icons all at once.

❑ ^* **V1540 TIMEGUARDIAN** is a program package with which you can easily start events, that have to be done at certain times or dates on your computer.

❑ ^* **V1541 VMEM V & VMM** VMEM v1.0 Release 1 VIRTUAL MEMORY SYSTEM for ALL Amigas with WB2 or above. VMM v2.0 is a virtual memory manager for any Amiga with a 680/30 or 68040 processor. Up to 128 MB of virtual memory

❑ ^^ **V1542 (AGA) SIRD. STEREOGRAM GENR V3.8** The dots (which seem random) are calculated in such a way that if you focus behind the picture (monitor,etc), you will see a 3D pic with a real feeling of depth.

❑ ^+ **V1544 MANAGECDPICS** Ccataloger that allows you to create picture-databases and easily view the pictures.

❑ ^+ **V1546 MN3A v1.2** An automa design program used to calculate currents, impedance, and fields of wire antennas. The wires may contain lumped-constant loads.

❑ ^* **V1548 PRO-WIZARD V2.0** is a multi-converter for Amiga music files packed with tools like NoisePacker, ProPacker, etc. It converts all those weird formats on the standard Protracker format!

❑ ^^ **V1552 M.U.I v2.2** MAGIC USER INTERFACE is an object oriented system to create and maintain graphical user interfaces.

❑ ^^ **V1554 I.B.M (2)** THE IMAGINE BUDDY SYSTEM is an excellent new added for Imagine 2.0

❑ ^+ **V1556 IMAGE STUDIO v1.1** Has been written for the casual graphics user who wishes to convert or manipulate various graphic formats on almost all amiga machines.

GAME DISKS

❑ ^ + **1060 STAR TREK: TNG** This is a strategy based Star Trek in which you control the Enterprice

❑ ^ + **1081 ULT STAR TREK** This is probley the most famious of the games here with great graphics and sound.

❑ ! - **1073 TETRIS ORIGINAL** This is the closest game to the original tetris

❑ ^ ^ **3040 TETRIS (AGA)** If you like tetris, you need this disk.

❑ ^ + **3075 18 HOLE GOLF** Fully selectable speed and power functions com-bined with superb graphics and sound. (2)

❑ ^ * **3287 ROAD TO HELL [2Mb]** Is another head view driving game like HotRod. Theres also being extra which can be bought from the shop like hyper, Engines, Rockets etc

❑ ^ + **3310 STARBASE 13** Is a graphical adventure similar in style to mankey island & Operation Stealth. A brilliant game (2)

❑ ^ + **3370 DIGITIAL TETRIS** Is a 1 or two player Tetris game with nice graphics

❑ ^ ^ **3436 MOTOROLA INVAIDA** Its just another excellent AGA very large graphics space invader type game. (2)

❑ ^ ^ **3454 (AGA) KLODIKE** Fancy a game of Klodike with AGA graphics. (3)

❑ ^ * **3619 GNU CHESS 4.0** It contains a nice graphical user interface (menus, use mouse to move pieces ect.) The advantages of this program over that others are GNU Chess is a much stronger chess playing system.

❑ ^ + **3766 SMASHING TETRIS** Another tetris variant game with excellent colourly exiciting graphics.

❑ ^ + **3803 A DAY AT THE RACES** In which you can run a horse racing stable with a selection of options. Runa stable of horses.

❑ ^ ^ **3804 (AGA) MEGABALL** the best Amiga bat & bat game ever. New Bats, bricks, sounds extra levels.

❑ ^ + **3814 HIGH OCTANE!** Stunner of a game in the vein of HotRod! You get an overhead view of the race course.

❑ ^ + **3819 (AGA) TO THE DEATH** Just has to be purchased because its brilliant. The Best Karate type game around. Select various characters and special moves.

❑ ^ + **3820 DOG FIGHT** BiPlane but with better graphics, sounds, extra long screen sizes, split screen play.

❑ ^ + **3829 TANK COMBAT** The excellent VCS game called Combat, only tart-ed up a bit and with different game plex variations.

❑ ^ ^ **3839 GEORGE GALAXO** AGA platform. You control a beach bum without machine gun and must fend off all kinds of enemies

❑ ^ + **3841 KRILLIAN INCIDENT** Take control of a federation starship & travel the known galaxies defending outposts from certain factions of the race called the Krill. similar to games such as Elite and Epic.

❑ ^ + **3844 MOOSE DRIVE** Driving simulator that is shown isometrically on the screen, cars are all three dimensional. Good game in which you not only race around the ever improving computer cars but also customise your car with new parts.

❑ ^ + **3846 TANX 'N' STUFF** The screen is divided into four and then each player drives his or her tank around the country side in search for the other three tanks which must be destroyed.

❑ ^ + **3853 TROOPER** Shoot 'em up in which you must lead offensive supply of enemy attack craft which, if allowed close enough, will bomb for em you. Good graphics.

❑ ^ + **3864 (AGA) MISSILES** You must defend your city of Xenon in the futuristic nuclear war game. First purchase all the weapons and defences that you need, then you have to shoot down the waves of enemy missiles which come in all shapes and sizes. Superb graphics & sound. (2)

❑ ^ ^ **3885 IMPERATOR** A strategy game for one player in which you must conquer the world. Contend with barbarian plagues, rival empires and your own commanders.

❑ ^ + **3897 TASKFORCE** is in fact a acomplex, strategic war game in which you control a task force of five ships.

❑ ^ + **3904 SOLAR LORDS** An excellent war gaming game with loads of features like, personal rating, income spectrum, credits, military power, back rating, strategic power, science rating.

❑ ^ + **3909 TOOLBOX** In this game you must move a teddy bear around his toybox in order to destroy all the bad toys by pushing toy blocks into them.

❑ ^ + **3914 (AGA) BEETLE** Platform puzzler in which you must manoeuvre the beetle around various levels collecting all kings of fruits and other power ups.

❑ ^ + **3915 STEEL DEVILS (K)** This game is played with a minimum of two players. The idea of the game is to destroy your opponents within the realms of various different levels. Different weapons can be collected as well as other power ups.

❑ ^ + **3918 STEWARDS ENQUIRY** Ever played one of those horse racing games on an old 8 bit machine. Well this is just like those. Upto eight players can bet their money on horses which race before your very eyes.

❑ ^ + **3919 MINESWEEPER** A classic puzzle game often found on Windows. You must uncover squares without hitting mines and try to work out the where abouts of the mines and marking them.

❑ ^ + **3920 TIMELESS EMPIRE** A text adventure in which you can vertually decide the result yourself.

❑ ^ + **3936 DEEPSPACE V1.6** Is an arcade/strategy/text space role playing game. Includes mega enhancements from our original Amstrad release and a few bug fixes. CYCLES!! This Light Cycles game allows you to design the courses on any paint package.

❑ ^ + **3938 GLADIATOR V1.0** Wargame that runs in WB window. Strategy game. You control 1 or more characters (which can be magic users or fighters) and the computer controls an opposing team.

❑ ^ + **3939 IMPERIAL V2.65** Oriental game in which outhaul ers move tiles from a layout like Shanghai). Every game has a solution and there's a layout editor.

❑ ^ + **3940 DUALMAZE V1.3** Solve two mazes at the same time! Single player game with the dual playfield features of the Amiga to provide a unique challenge. Scrolling graphics, music, and new mazes each time you play!.

❑ ^ ^ **3942 PLANET FALL AGA** Great and hard! Lamar Lander game. 2 levels of a great lunar lander type game, with nice sounds and fun action.

❑ ^ + **3944 MOONROCKS** Recent news reports indicate a famous dead rock star has been sighted on the moon. Your mission, if you choose to accept it, is to find the rock star and land near him.

❑ ^ * **3945 SPHERES OF INFLUENCE** Is a strategy game of galactic colonization (for one to eight players one of which must be human.) Hard drive installable. 1 Mb of CHIP

❑ ^+ **3946 MIND GAMES 4** Jim's Video Poker v1.0, Lazy mines v1.0, Mastermind v1.6, Mine Sweeper, Montana v1.2, Nine Men's v1.6, SCS v1.0, Washe, Ying & Yang

❑ ^ + **3947 FOOTBALL MANAGER** This is probably the best Football Manager game currently on the market. By Dutasoft

❑ ^ + **3948 SENSITIVE** Your stuck on a board similar to a chess board but with squares missing. You have to Move around the board after passing over a square it will dissapear!. You have to end on the end square to complete the level.

❑ ^ + **3949 INDUSTRIAL ESPIONAGE** Is a game for 1-4 players who each take on the role of a spy attempting to steal secrets from a company. Along the way you must search rooms, plant bombs, shoot guards (other spies and access computer terminals in order to complete you mission.

❑ ^ + **3950 SPLOGGY** An excellent platform game in the style of Super Mario World, Totally Brilliant recommended for all in nice colourful graphics and playability puts this game at the very top end of the public domain and shareware market.

❑ ^+ **3952 (AGA) KLONDIKE EXTRA CARDS 3-7 (5)** Contain Extra card sets for use with Klondike.

❑ ^^ **3958 (AGA) TETRIS DUEL** This tetris clone is for those of you with AGA machines only. The graphics are very good and so are the gameplay. There are a few extra features such as bombs and other things that drop down instead of the normal blocks.

❑ ^^ **3959 (AGA) KNOTTY** This AGA game involves the simple rearranging of a picture that has been divided up into thirty six sections. The graphics are very good and the game is quite tricky.

❑ ^ + **3964 SUPERLEAGUE 3** This is a utility for compiling and storing football results. It allows you to build up a league and or cup database easily and then allows easy access to all the information.

❑ ^ ^ **3968 ERIC SCHWARTZ MORPHY THE MAGIC MAN AGA** This AGA version has even better graphics but needs twice the memory. (4Mb)

❑ ^ + **3969 OVERLANDER** Moonbuggy. You take control of a moonbuggy and must navigate the planets surface while shooting both ground and air targets.

❑ ^ ^ **3971 (AGA) BACMAN** This

Easy PD

High Quality and Low Prices – No Compromises!

We offer an unbeatable Fast, Friendly Service and some of the greatest PD Software around – So why pay more when the Best Costs Less!!

PO Box 36, Frodsham, Warrington WA6 6DJ — **Telephone enquiries welcome – 0928 732 550**

GAMES

18th Hole
(CAT 225 – 2 DISKS – NOT 1200). This is a very good looking overhead golf game. Good multi player fun.

3D Games Series
(CAT 849 – 1 DISK). Includes a brilliant 3D adventure game, which is absolutely huge.

Act of War
(CAT 267 – 1 DISK). A very good Space Crusade-style strategy game with three missions to do, and an array of weapons.

Advanced Hero Quest
(CAT 1920 – 1 DISK). Let the computer be the game master, and provide the challenge. You need the board game to play.

Deluxe Galaga
(CAT 1974 – 1 DISK). A true classic as far as shoot em up games go, and fantastically professional with it. Re-live some arcade nostalgia now.

Diplomacy
(CAT 1909 – 1 DISK). A very competent computer version of that great board game.

Gnu Chess
(CAT 2042 – 1 DISK – NOT 500). A very good looking playable chess program. Easily one of the best around.

Golden Oldies
(CAT 1308 – 1 DISK). A wonderful collection of arcade classics from the early days. A good nostalgia trip.

GAMES

Grand Prix 93
(CAT 2692 – 1 DISK). A surprisingly deep and highly involved management game.

Gush
(CAT 1209 – 1 DISK). This is probably the best version of Pipemania you can get. Very playable and very addictive.

High Octane
(CAT 680 – 1 DISK). This is a corking overhead car racer for two players. It's full to the brim with thrills and spills, and plenty of weapon pick ups.

Klawz the Cat
(CAT 1735 – 1 DISK). This is a lovely cute platform game, with classic gameplay.

Knights
(CAT 1098 – 1 DISK). This just happens to be a most excellent two player overhead adventure game. Very addictive.

Kung Fu Charlies
(CAT 1138 – 1 DISK). Now this game is funny. It is a simple platform game with some flying kicks thrown in for a laugh.

LCD Dreams
(CAT 1789 – 1 DISK). A collection of four old LCD hand held games revamped for the Amiga. Great stuff.

Pop Quiz
(CAT 2250 – 1 DISK). Test your knowledge of pop history with this pop-tastic quiz.

GAMES

Red Dwarf Quiz
(CAT 887 – 1 DISK – NOT 500). Test your knowledge of the TV series with this Dwarf-tastic quiz. It's very tough indeed.

Road to Hell
(CAT 565 – 1 DISK). Yet more overhead racing in yet another great game. This time you can customise your car as well.

Starbase 13
(CAT 1213 – 2 DISKS). This is an epic graphic adventure with lots to solve. It's very playable, and quite funny.

Strike-N-Spares
(CAT 1055 – 1 DISK). Fancy a bit of ten pin bowling? Too much effort for you? Then play this in the comfort of home.

Tetren
(CAT 66 – 1 DISK). Tetren is a very good Tetris clone. It features a good selection of new oddities, and two-player option.

The Real Popeye
(CAT 2348 – 1 DISK). A totally excellent conversion of the old C64 favourite. Games were games in those days you know!

Total War
(CAT 1043 – 1 DISK). A brilliant version of the board game Risk. Six players computer or human compete, and battle.

Wizard Wars
(CAT 2959 – 1 DISK). This is a very polished RPG type board game. Quite involved and pretty tough to win.

ASSASSINS

Assassins 3
(CAT 104 – 1 DISK). Megaball – great breakout game. Drip-polished Pointer game.

Assassins 123
(CAT 173 – 1 DISK). Includes the excellent Artillerus 2 which is brilliantly addictive, and for up to eight players.

Assassins 114
(CAT 185 – 1 DISK). International Cricket is on here, and so is Insectoids 2. Brill.

Assassins 95
(CAT 266 – 1 DISK). Includes two football manager games which are quite different from each other. Very playable.

Assassins 133
(CAT 1139 – 1 DISK). There are two great Columns type games for you on this one.

Assassins 138
(CAT 1348 – 1 DISK). Includes the unmissable game Scorched Tanks. Totally addictive, and great multi-player fun.

Assassins 128
(CAT 1632 – 1 DISK). Three brilliant versions of some arcade classics. Includes: Space Invasion, Deluxe Pacman and Solar System Wars.

Assassins 139
(CAT 2282 – 1 DISK). Includes a good fruit machine game, and a weird breakout.

Assassins 135
(CAT 2442 – 1 DISK). Has a brill Backgammon game.

MUSIC/DEMO

Fairlight 242
(CAT 2781 – 1 DISK). Contains a very long video sequence set to the usual techno type music.

9 Fingers
(CAT 383 – 2 DISKS). An audio visual feast brought to you from Spaceballs. It's pop-video tastic and no mistake.

Arte
(CAT 562 – 1 DISK). A graphical extravaganza of a demo with funky-tronic music.

Attraction
(CAT 1243 – 1 DISK). A great music disk with some lovely thoughtful music.

Banging Raves
(CAT 213 – 1 DISK). Perhaps not rave exactly, but a good megamix of some classic tunes. A good mix of styles.

Banging Raves 2
(CAT 514 – 1 DISK). Another good megamix.

Basso Continuo
(CAT 1059 – 1 DISK). Ten excellent funky tunes are on here for your listening pleasure.

Doop Re-mix
(CAT 337 – 1 DISK). A good re-mix of that chart topping tune.

Gastric Ulcer
(CAT 2724 – 1 DISK). A good collection of some very hard rave tunes. Not for the faint hearted listener.

MUSIC/DEMO

Guru Meditation
(CAT 970 – 1 DISK). The Guru knows all my friends. Nice animated stereogram.

Jesus On Cheese
(CAT 1251 – 1 DISK). It's fast and furious in the ready rave cheese round I can tell you.

Kaos Theory
(CAT 1114 – 1 DISK). It's rave-omatic Amiga time with some seriously hard tunes.

Piece of Mind
(CAT 980 – 1 DISK). A great 3D extravaganza demo with some very classy music.

Scoopex 2 Unlimited
(CAT 2241 – 2 DISKS). Good old Scoopex supplies 3 very well produced 2 Unlimited mixes.

Sequencial
(CAT 547 – 1 DISK). A mile counter of a demo.

For Your Mind
(CAT 2462 – 1 DISK). Fast video, fast music, a really moving experience for sure.

State of the Art
(CAT 19 – 1 DISK). An all time classic demo. Brilliant visuals and a cracking dance tune.

Star Trek Rave
(CAT 2390 – 1 DISK). Is nothing sacred? Apparently not. A silly story with pictures which provides a good laugh.

Techno Tracks 2
(CAT 1664 – 1 DISK). Awesome music and some great visuals make this a must!!

ALL THE DISKS LISTED ON THIS PAGE ARE COMPATIBLE WITH ALL AMIGA COMPUTERS UNLESS OTHERWISE STATED

USEFUL

600 Business Letters
(CAT 291 – 1 DISK). Lots of letters for lots of things.

Account Master
(CAT 1817 – 1 DISK). A good little accounts program to help keep your books.

Amibase Pro 2
(CAT 293 – 1 DISK). Probably the best database program you can get. Very usable indeed.

Astro 22
(CAT 2120 – 1 DISK). An excellent program to help with your astrological predictions.

Astronomy
(CAT 2847 – 1 DISK). Produces very detailed planetary information for astronomers.

Classic Utilities
(CAT 1863 – 1 DISK). A true collection of classics that you really should have.

Create Adventures
(CAT 1027 – 1 DISK). A very nice authoring program.

Crossword Creator
(CAT 2161 – 1 DISK). Takes the strain out for you.

Crunchers disk
(CAT 1227 – 1 DISK). If disk space is getting tight then this disk is definitely for you.

D-Copy 3.1
(CAT 2582 – 1 DISK). The best disk copier you can get.

Dynamic Skies
(CAT 1512 – 1 DISK). An amazing night sky viewer which is feature packed.

USEFUL

Easycalc
(CAT 1042 – 1 DISK). Simply the best spreadsheet.

Edword Pro 4
(CAT 2071 – 1 DISK). A brilliant text editor which has a very good feel about it.

Forecaster
(CAT 607 – 1 DISK – NOT 500). If you're a betting man/woman, this disk could be up your street.

Grinder
(CAT 1249 – 1 DISK). A versatile screen converter.

Home Budget
(CAT 1410 – 1 DISK). This is a very effective little money manager/planner program.

Inscript
(CAT 2693 – 1 DISK). Home video titling is rarely this easy or effective.

Mandelmania
(CAT 620 – 1 DISK – NOT 500). A very fast fractal generator with fast zoom in and out.

Mandelplot
(CAT 90 – 1 DISK). An excellent shareware fractal generator. Tons of fractal types.

Magnum
(CAT 2666 – 1 DISK). A good disk magazine creator.

PC Task 2
(CAT 1281 – 1 DISK). A working demo of this very good PC emulator program.

Planetarium
(CAT 1887 – 1 DISK). A simple program to display the position of the planets.

USEFUL

Pools Tools 2
(CAT 442 – 1 DISK). A great rich quick program? Could be couldn't it?

PP Mini Crunch
(CAT 838 – 1 DISK – NOT 500). A user friendly interface for the excellent Powerpacker. Very nice.

S-I-R-D-S
(CAT 2214 – 1 DISK). Create your very own stereogram pictures and baffle your friends.

Start of the Art
(CAT 2317 – 2 DISKS). These disks are packed chocker with various graphics programs.

Text Engine 4
(CAT 1464 – 1 DISK). The best word processor there is. Very well suited to the Amiga.

The Money Program
(CAT 1811 – 1 DISK). An excellent home money monitor program. Very useful.

Utility Disk Maker
(CAT 2371 – 1 DISK). Proves very helpful for creating your own disks, serious or not.

Virus Checker
(CAT 770 – 1 DISK). Always the latest version of this essential virus detector/killer.

Words
(CAT 1108 – 1 DISK). A handy program to help you solve crosswords and puzzles.

X Beat Pro
(CAT 415 – 1 DISK). A very friendly music sequencer program. Very good for learners.

ANIMATION

Animation Studio
(CAT 2406 – 1 DISK). A fantastic program to get you started in animation. Features the onion skin layering technique.

Boat
(CAT 933 – 1 DISK). A very nice animation of a typical English garden scene, with a boat.

Bond's Last Stand
(CAT 835 – 1 DISK). Bond cops it at last, and not before time too.

Beach
(CAT 1566 – 1 DISK). A great single screen picture postcard type animation.

Human Cannonball
(CAT 1599 – 1 DISK). An amusing story of how not to be a human cannonball.

Linus
(CAT 1018 – 1 DISK). A very original anim with a very good cartoon atmosphere.

Raging Hormone
(CAT 2780 – 1 DISK). Poor old hormone tries to pull a bird. He should know better.

Raging Hormone 2
(CAT 2473 – 1 DISK). That thick hormone just doesn't know when to stop. Very funny.

Raging Hormone 3
(CAT 2130 – 1 DISK). Hormone passes on what he has learnt to his son. What a shame.

Savings
(CAT 112 – 1 DISK). The post office savings advert quite a novel end. Funny.

MISCELLANY

AMOS Libraries
(CAT 344 – 1 DISK). Some essential add-on command libraries for Amos/Amos Pro.

Communicate
(CAT 279 – 1 DISK). Learn how to communicate with sign language and many more.

Octamed Tutor
(CAT 2456 – 1 DISK). An excellent guide to getting the most from Octamed or MED.

Spectrum Emulator
(CAT 1446 – 1 DISK). Turn your Amiga into a 48k ZX Spectrum. A fast-ish Amiga is recommended though.

Speccy Classics
(CAT 498 – 1 DISK). A collection of classic old Spectrum games for use with the above emulator program.

Speccy Classics 2
(CAT 1499 – 1 DISK). More great games for emulator.

Speccy Classics 3
(CAT 2993 – 1 DISK). And yet more corkers.

The Dark Room
(CAT 2160 – 1 DISK). This is a very nicely presented information disk for would be David Baileys. A beginners guide.

Titanic Cheats
(CAT 1031 – 1 DISK). Absolutely chock a block full of hints, tips and cheats.

VIC 20 Emulator
(CAT 1087 – 1 DISK). Turn your Amiga into a VIC 20. Comes with tons of games. Needs a fast Amiga to fully appreciate.

1200 ONLY

A COLLECTION OF DISKS FOR THE AMIGA 1200 COMPUTER

Big Time Sensuality
(CAT 2215 – 2 DISKS). An audio visual treat of a demo with stunning graphics and an almost CD quality soundtrack.

Explicit 2
(CAT 1855 – 1 DISK). This is a pretty technically impressive demo to show off your nice Amiga to your mates.

Friday at Eight
(CAT 2033 – 1 DISK). A very fast paced demo with a really brilliant music track.

Full Moon
(CAT 1740 – 1 DISK). A brilliant demo with a spooky intro and a good pacey tune.

Love
(CAT 898 – 2 DISKS). What a lovely demo this one is. Nicey nice and pretty cool.

Maximum Overdrive
(CAT 2986 – 2 DISKS). A very long full motion video demo which lasts ages.

Megaball AGA
(CAT 842 – 1 DISK). The most popular breakout type game gets even nicer. A must.

Real
(CAT 2379 – 1 DISK). Possibly the best AGA demo to date. Totally awesome.

Relokick 1.4
(CAT 2918 – 1 DISK). Brings downward compatibility to your new 1200 to help get some of those old programs working.

THE EASYBASE CATALOGUES

Easybase is a unique PD database program that is exclusively available from us. It is very user friendly and easy to use. It features total on-line access to the mini reviews of all the titles. It also features a unique ordering system which does all of the hard work for you. So forget those boring lists and get something which is actually useful in finding the disks you want.

The Easy PD Catalogue version of Easybase will be sent free with your first order. On it you will find hundreds of great PD disks at very reasonable prices, with satisfaction as good as guaranteed.

The Fred Fish version of Easybase is available for the measly sum of 50p. It has details of thousands of programs that make up the Fred Fish PD Library.

HOW TO ORDER

You can either tick the titles you require on this advert and then send it back to us, or you can write the catalogue numbers of the titles you require on a sheet of paper. Carefully count how many disks your order is, and then multiply it by the correct amount. Send your order with a cheque/Postal Order payable to "Easy PD" to the address above.

Disks are £1.00 each, or just 90p for ten or more!

Postage is 75p UK (plus 20p per disk in Europe).

Please make all payments in sterling through a British branch of your bank

EASY PD ORDER FORM

Name .....

Address .....

.....

.....

Postcode ..... Tel .....

Install with ease

amiga installer

Part 2

Steve White opens the door to creating your own installation scripts and explains how to use routines correctly



In last month's Installer guide I discussed how the language works and provided a few example routines. This month I will attempt to show you a demonstration script using those routines discussed.

You will remember that the Installer language relies heavily on the use of parenthesis, (). The parenthesis basically open and close routines so that they can be translated by Installer one at a time.

What follows is a script example using the earlier routines with an explanation of each command and what it does. Please remember, this script is for demonstration purposes only and you will need to alter it slightly in accordance with your software.

Please ignore the line numbers when typing this example in as they are for reference purposes only.

Example 1

```
01  ;MyProg test installation script
02  ;Amiga Computing '1994

03  (complete 0)
04  (working "Setting up installation. Please wait...")
05        (run ":c/copy libs:diskfont.library to ram:")
06        (run ":c/copy libs:asl.library to ram:")
07        (run ":c/copy MyProg#? to ram:")

08  (complete 10)
09  (set mp-dest
10        (askdir
11             (prompt "Where would you like to install MyProg?")
12                  (help @askdir-help)
13             (default @default-dest)
14        )
15  )

16  (set @default-dest mp-dest)

17  (complete 30)
18  (
19  (working "Installing MyProg program...")
20        (copyfiles
21                  (prompt "")
22                  (help @copyfiles-help)
23                  (source "Ram:MyProg")
24                  (dest @default-dest)
25                  (infos)
26                  (nogauge)
27        )
28  )

29  (complete 70)
30  (working "Installing needed libraries")
31  (copylib
32             (prompt "Installing
diskfont.library")
33             (help @copylib-help)
34             (source "Ram:diskfont.library")
35             (dest "Libs:")
36             (confirm)
37             (nogauge)
38  )

39  (complete 90)
40  (copylib
41             (prompt "Installing asl.library")
42             (help @copylib-help)
43             (source "Ram:asl.library")
44             (dest "Libs:")
45             (confirm)
46             (nogauge)
47  )

48  (complete 95)
49  (working "Cleaning up...")
50  (run ":c/delete ram:My#?")
51  (run ":c/delete ram:#?.library")

52  (complete 100)
53  (exit)
```

I will now describe each command so that you understand what the Installer script is actually doing.

01
This, and line 02 are basically notes for the writer of the script. Anything preceded by ; is ignored by Installer so that you can insert information regarding the script.

03
This command displays the number as a percentage in the Installer window bar – useful for informing users how much of the installation procedure is completed. Consider it good manners.

04
This simply prints a message to the screen so that the user knows what is going on at that time.

05
The Run command allows you to execute AmigaDOS commands within speech marks. In this case, the appropriate data is being copied from the disk into Ram so that it can be installed quicker.

I will discuss this in more depth when I explain how to set up an installation disk. Note how an AmigaDOS wildcard pattern is used to copy all the files beginning with MyProg at line 07.

09
Set allows you to set up a variable, in this case mp-dest. There is no close bracket because we want it to contain the result of the following commands. The fact that there is no close brackets means that command 09 is part of the routine 09 to 15. Variables do not need an identifier such as $ for string variables. Installer automatically sorts this for you.

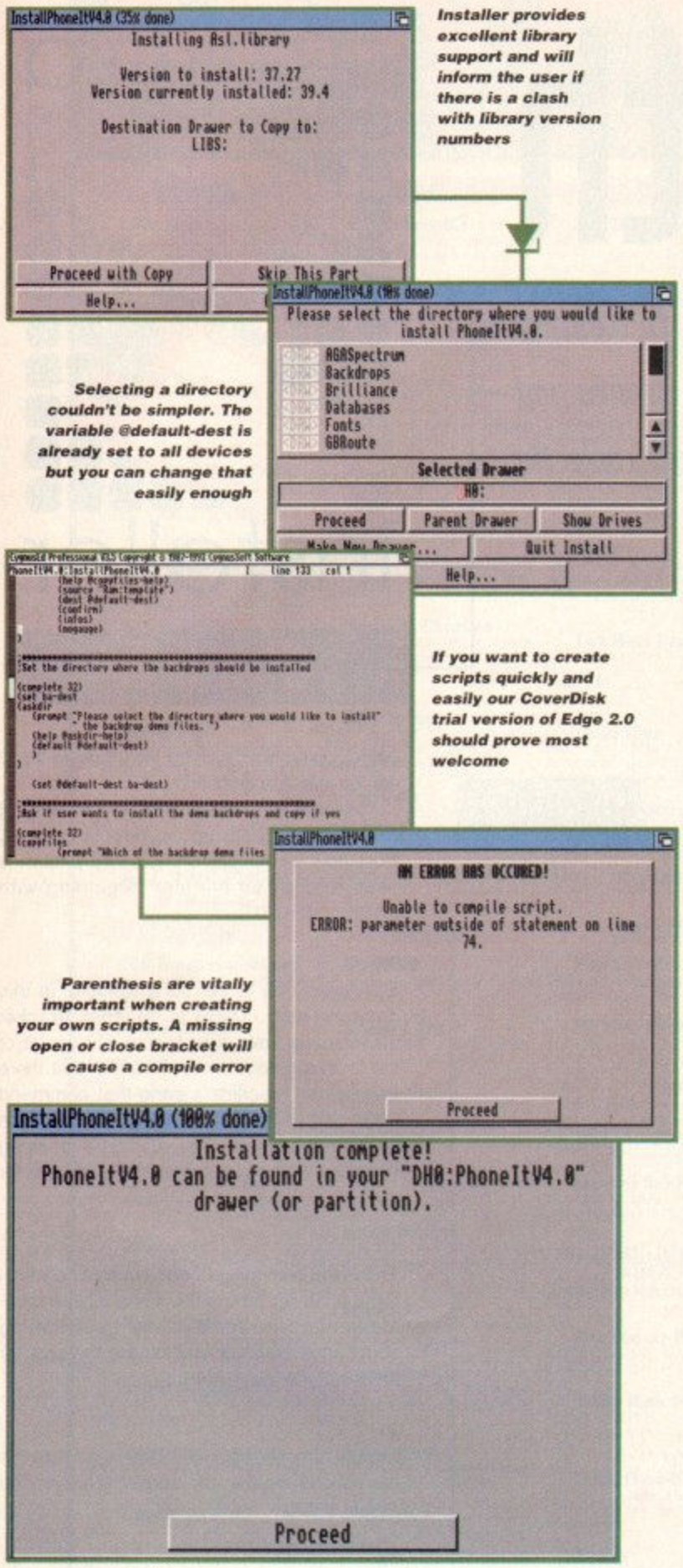
10
The is the beginning of another routine within the routine set by line 09. It is a routine command that tells Installer that the following commands are to do with asking the user for a directory to install MyProg.

11
Prompt simply displays a message while the Installer is waiting for confirmation of the Askdir routine.

12
This tells Installer that if the Help button is pressed on the interface it should display the help text @askdir-help. Certain routines have dedicated help text built into Installer. You can also create your own help if none is provided, and there will be more on this later.

13
This tells Installer what the default destination is. I have used a pre-defined variable here called @default-dest, and, as I didn't set it to a certain location earlier in the script, it defaults to the current devices.

➤



Installer provides excellent library support and will inform the user if there is a clash with library version numbers

Selecting a directory couldn't be simpler. The variable @default-dest is already set to all devices but you can change that easily enough

If you want to create scripts quickly and easily our CoverDisk trial version of Edge 2.0 should prove most welcome

Parenthesis are vitally important when creating your own scripts. A missing open or close bracket will cause a compile error

At the end of installation the user is shown the installation path. This is retrieved from the pre-defined variable @default-dest

Next month

In the third instalment of our Installer Guide we will be looking at the individual routines and their associated commands in more depth. We will also be taking a look at variable handling and explaining how you can define your own Help text.

➤

14
Lines 14 and 15 simply shut down the routine opened with lines 09 and 10.

16
This sets the variable @default-dest to equal the directory result held in mp-dest which we asked for earlier. This means that we can use @default-dest to copy the necessary files into the correct destination. @default-dest is a pre-defined variable that is used to store destination directories. It is also used at the end of installation when Installer informs the user where they have installed their program to.

18
Line 18 opens up a new routine.

20
Opens up yet another routine which is a copyfiles routine. Installer knows that the following commands will be used to copy a file or files to a destination.

21
We can't use a Prompt here because copyfiles is instant and we won't see it. That is why there is a Message command at line 19.

22
This assigns the help text @copyfiles-help to the Help button on the Installer interface. This help text is built into Installer.

23
The Source command allows us to tell Installer which file it is we want to copy. In this case it is MyProg which was copied into Ram earlier.

24
Like Source, Dest sets the destination where the file is to be copied to. In this case it is the location held by the variable @default-dest which we set through lines 09 to 16.

25
Infos instructs Installer to also copy any .info (icon) files that are associated with the main file that is being copied – MyProg.

26
When any copying is performed Installer automatically displays a progress bar in blue. Nogauge turns this off. If you'd like to keep the gauge visible simply remove this line.

27
Lines 27 and 28 simply close the routine opened by lines 18 and 20.

31
The Copylib command indicates the start of a routine and informs Installer that the following commands will be used to copy a library to a destination.

32
A Prompt to tell the user what is actually happening.

33
More help for Copylib. This is also built in. Most routine commands such as Copylib, Askdir and Copyfiles all have in-built help text. Installer will expect a Help command within a routine. If it is missing a compile error will occur.

34
This and line 35 are exactly the same as lines 23 and 24 except that I have not used a variable for the destination. Why? Obviously really, all libraries are copied into Libs.

36
The Confirm command does just that – asks the user for confirmation of the copying. Where libraries are concerned this is important because they can have the same filename but still be different versions.

Fortunately, the Confirm command will force Installer to display version information about the library being installed and the one already present in Libs directory. You can then decide if you want to continue or skip that part.

38
This closes the routine opened by line 31.

39
Lines 39 to 47 are identical to the above routine but copy asl.library rather than diskfont.library.

49
This line shows a message telling the user that Installer is cleaning up. Cleaning up? Whenever you copy data to Ram in an installation process it is always good manners to delete it when installation has finished.

50
Lines 50 to 51 basically use AmigaDOS to delete the data that was copied to Ram at the beginning of installation. This keeps things neat and tidy.

53
You made it! Exit tells Installer to inform the user of the location of their program they have just installed, held in @default-dest, and on pressing Proceed to quit.

For the moment, try and adapt the above script to your own programs. Certainly one of the most important aspects of creating an installer disk is to make sure that every thing is copied into Ram first. Imagine installing a large program with lots of files and having to swap between the source and destination disks.

Likewise, it is vitally important that you delete all the data you copied to Ram in the first place. If the files you are installing are large the user's Ram will be severely crippled. Be polite and free it up once installation has finished.

Now you have seen and understood how Installer treats scripts, and learned a fairly extensive chunk of the language, I can begin to explain each routine and associated commands individually. AC

1984 - 1994
10YEARS OF SUPERB SERVICE & LOW PRICES

TRILOGIC

ALL PRICES INCLUDE VAT

UNIT 1,
253 NEW WORKS RD,
BRADFORD, UK,
BD12 0QP Est 1984
FAX 0274 600150

SALES 0274 691115

ACCESS VISA
SWITCH DELTA
CONNECT AMEX
SWITCH CARDS ACCEPTED FOR TELEPHONE ORDERS

SEE US ON STAND 39
WORLD OF AMIGA SHOW
WEMBLEY DEC 9-11TH

FREE DRIVE FITTING WHILE YOU WAIT
Just bring your Amiga 1200 and power supply.

PRINTERS

CITIZEN
CITIZEN SWIFT 90 MONO £149.99
CITIZEN SWIFT 90 COLOUR £159.99
CITIZEN SWIFT 240 COLOUR ...£229.99

PROJET II INJKET £209.99

CITIZEN ABC 24 PIN £149.99
OPTIONAL COLOUR KIT £19.99
OPTIONAL TRACTOR FEED £37.99

EPSON
EPSON STYLUS 800 .....£259.99
EPSON STYLUS COLOUR £499.99
(Amazing 720dpi capability)

VIDEO DEPT

MICROVITEC 1438 14" MULTISCAN £292.99

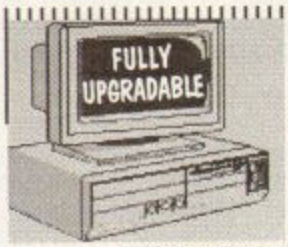
SCREEN BEAT BUDGET STEREO .. £19.99
HIPOWER 20WATT STEREO SYSTEM £49.99

SHARP TV-MONITOR 14" £169.99
14" SCREEN, FULL REMOTE CONTROL, SCART SOCKET,ON/OFF TIMER, 40 CHANNEL MEMORY

PHILIPS CM8833 MK11 ..... £229.99
14" SCREEN, RGB & COMPOSITE VIDEO INPUTS, STEREO SOUND.

GVP GENLOCK £274.99
COMPOSITE OR S-VIDEO INPUT/OUTPUT

VIDI 12 AGA .....£ 69.99
VIDI 12RT £149.99
VIDI 24RT £249.99
SYDEC B/W HAND SCANNER £109.99
ALFA DATA COLOUR SCANNER ...£329.99
GVP EGS SPECTRUM FROM £339.99
ADSG SOFWARE with scanner ..£89.99



NO EXTRA CHARGE FOR FITTING.

FREE OR FREE

HD TOOLS FOR CALLERS FOR DRIVES OVER 220MEG
COLLECTION/FITTING AND DELIVERY FOR MAILORDER CUSTOMERS FOR DRIVES OVEWR 200MEG

AMIGA 1200 HARD DRIVES

80MEG	SAVE £20	now only	£159.99
210MEG	SAVE £35	now only	£199.99
280MEG	SAVE £50	now only	£229.99
340MEG	SAVE £50	now only	£249.99
420MEG	SAVE £80	now only	£269.99
540MEG	SAVE £150	now only	£294.99



WE FIT WHILE U WAIT
- just give us a call to arrrange a convenient time.
NOT LOCAL ?
Just phone to arrange collection by insured carrier & leave the rest to us - 3-4DAY TURNAROUND

NOTHING ELSE NEEDED

* FORMATTED & PARTITIONED DRIVE
* HD PREP SOFTWARE SUPPLIED
* ALL OUR DRIVES FIT INTERNALLY WITH NO MODS TO CASE OR FLOPPY DRIVE.
* FULL WORKBENCH INSTALLED.
* 12 MONTHS WARRANTY.
* JUST SWITCH -ON & GO.
* ONLY REPUTABLE MAKES of DRIVE USED.
* 1000s FITTED IN LAST 12 MONTHS
* BACKED BY OUR EXPERIENCED HARD DRIVE TECHNICIANS

BUY NOW PAY MONTHLY
CREDIT FACILITIES AVAILABLE
(TO CALLERS ONLY)
Licensed credit broker
Finance available to callers only on purchases over £500 & subject to status. Written details upon request.

All drives sizes quoted are approximtae unformatted size, & vary slighly depending upon make. SAVINGS ABOVE ARE COMPARED TO AUGUST 1994 ADVERTISED PRICES

D.I.Y.ers
If you already have a drive, the cables are available separately:-
2.5"/2.5" IDE CABLE £12.99
3.5"/2.5" ADAPTOR & CABLE £39.99

MISCELLANEOUS ITEMS

TV MODULATOR (exchange) £19.99
L520 TV MODULATOR - NEW £29.99
A500/600/1200 POWER PACK ...£49.99
PRINTER PORT EXPANDERS - switchable units for connecting several devices to your Amiga's Parallel port.
2way inc connecting cable ..£24.99
3way inc connecting cable ..£27.99
4way inc connecting cable ..£29.99

SEAL n TYPE KEYBOARD SKINS
Waterproof membranes which seal your keyboard against dirt & moisture ingress but don't hinder typing. State Amiga model when ordering.
FOR All AMIGAS ONLY £12.99

MEGA MOUSE 400DPI £14.99
LEGEND TRACKBALL £29.99
SPORTSTER 14400 FAX/MODEM £154.99
A1200 MONITOR STAND WITH SHELF £29.99
AMIGA DUST COVERS STATE MODEL £4.99
PRINTER & MONITOR DUST COVERS £6.99

BACKUP UTILITIES

X COPY PRO £25.99
Inc MK2 Cyclone adaptor.

NB. Making copies without the permission of the copyright holder is illegal.

TOP SOFTWARE

ADORAGE £66.99
ASDG SCANNER SOFTWARE £109.99
ASDG PRO CONTROL £58.99
ALADDIN 4D V3 .....£199.99
AMOS PROFESSIONAL £44.99
AMOS PRO COMPILER £24.99
ART DEPT PRO AGA 2.5 .....£149.99
BRILLIANCE £74.99
BRILLIANCE 2 .....£173.99
CALLIGARI £59.99
CLARISSA £84.99
CYGNUS ED £79.99
CROSS DOS V5 .....£34.99
DELUXE PAINT 4AGA £64.99
DELUXE MUSIC 2 .....£59.99
DEVPAC 3 .....£63.99
DIRECTORY OPUS V4 .....£54.99
GIGAMEM £54.99
GB ROUTE PLUS £35.99
GOLD DISK OFFICE 3 .....£44.99
HANNA BARBERAS ANIMATION ...£34.99
HYPERCACHE £37.99
HISPEED PASCAL £89.99
HISOFT BASIC 2 .....£69.99
IMAGEMASTER RT £199.99
IMAGINE 3 UPGRADE £119.99
LATTICE/SAS C V 6.1+ £279.99
MAILSHOT PLUS £39.99
MEDIA POINT £299.99
MONTAGE 24 .....£279.99
MORPH + ...£59.99
MINIOFFICE £44.99
MONEY MATTERS £49.99
MUSIC X 1.1 .....£24.99
PAGESETTER 3 .....£41.99
PAGESTREAM 3 .....£239.99
PC TASK £37.99
PENPAL £35.99
PLAYMATION £289.99
PROFESSIONAL DRAW 3 .....£239.99
QUARTERBACK 6 .....£59.99
QUARTERBACK TOOLS DELUXE ...£69.99
REAL 3D PROFESSIONAL V2 ....£349.99
SCENERY ANIMATOR £62.99
SCALA MM210 .....£119.99
SCALA MM300 .....£299.99
SUPERBASE PERSONAL 4 .....£119.99
SUPERBASE PROFESSIONAL 4 ...£239.99
SYSTEM 3R £59.99
VIDEO DIRECTOR £109.99
VISTA PRO 3 .....£57.99
WORDWORTH 3 aga £71.99

2% surcharge applies to some items paid by Credit card - does NOT APPLY to debit cards - ie SWITCH/ DELTA/CONNECT AND cash/chaq. 4% SURCHARGE ON ALL AMEX CARD SALES

ACCELERATORS

GVP A1230 MK 2 40MHz
68030ec No MMU
With 68882 socket for optional FPU. Has two 32bit simms skts & expansion connector for SCSI module

No fpu & 0meg	£224.99
1MEG no FPU	£244.99
4MEG no FPU	£424.99
4MEG & 40MHz 68882	£524.99
8MEG	£614.99
8MEG + FPU	£719.99

GVP A1230 MK2 50MHz 68030 with MMU

No fpu & 0meg	£294.99
1MEG no FPU	£314.99
4MEG no FPU	£494.99
4MEG & 40MHz 68882	£594.99
8MEG	£689.99
8MEG + FPU	£789.99
SCSI -2 MODULE	£57.99
GVP 4MEG 72PIN SIMM	£199.99

TOP GAMES

LOWER PRICES

APOCALYPSE £19.99
AWARD WINNERS 2 .....£21.49
BENEATH THE STEEL SKY £24.99
CHAMPIONSHIP MANGR COMPENIU £19.99
CHAMPIONSHIP MANGR ITALIA ..£18.49
CHESS CHAMPION 2175 .....£9.99
DANGEROUS STREET £18.49
DISPOSABLE HERO £18.49
ELFMANIA £18.49
ELITE 2 - FRONTIER £21.49
EUROPEAN CHAMPIONS £18.49
GLOBAL GLADIATOR £18.49
GUNSHIP 2000 AGA £24.99
HEIMDALL 2 .....£24.99
IMPOSSIBLE MISSION 2025 ....£21.49
K240 .....£21.49
KICK OFF 3 A1200 .....£22.99
LIBERATION £21.49
MICRO MACHINES £18.49
MICROPROSE GOLF £24.99
NAUGHTY ONES £18.49
ON THE BALL £21.49
SCRABBLE £22.99
SENSIBLE SOCCER INTERNATNL .£14.99
SETTLERS £24.99
SIM CITY + LEMMINGS £21.99
SIERRA SOCCER £17.99
SIMON THE SORCERER A1200 ...£28.99
SKIDMARKS £18.99
STAR TREK A1200HD £23.99
TEST MATCH CRICKET £17.99
THEME PARK .....£?
TORNADO A1200 .....£28.99
VALHALL + LORD OF INF £20.99
WILD CUP SOCCER £18.49
WORLD CUP YEAR £21.49

CHAOS GAMES PACK
SYNDICATE, CHAOS ENGINE, FINBALL DREAMS & STRIKER
FOR A1200 & 4000 ONLY
ONLY £19.99

32BIT RAM CARDS

0MEG	£69.99	BATTERY BACKED ON-BOARD CLOCK & FPU SOCKET
1MEG	£97.99	
2MEG	£137.99	
4MEG	£197.99	
8MEG	£394.99	

Made by Amitek
WITH OPTIONAL 68882 FPU.
20MHZ FPU ADD £49.00
25MHZ FPU ADD £59.00
33MHZ FPU ADD £69.00
40MHZ FPU ADD £99.00

3.5" AMITEK DRIVE

ONLY £56.99
ANTI VIRUS, ANTI CLICK, DISABLE SWITCH, THRU PORT, STEEL CASE, FOR ALL AMIGAS. 2YR WARRANTY.

EDUCATIONAL

ADI JUNIOR RANGE £14.99
ADI RANGE £17.99
DISTANT SUNS V5 .....£49.99
FUN SCHOOL 3 RANGE £14.99
FUN SCHOOL 4 RANGE £17.99
FUN SCHOOL SPECIALS £17.99
KID'S PIX £19.99
MERLINS MATHS £17.99
MICRO ENGLISH £17.99
MICRO MATHS £17.99
MICRO FRENCH £17.99
MICRO GERMAN £17.99
MEGA MATHS £17.99
NODDY'S PLAYTIME £17.99
NODDY'S BIG ADVENTURE £17.99
PAINT n CREATE £17.99
SPELLING FAIR £17.99

BOOKS & VIDEOS

MASTERING AMIGA DOS 3 VOL1 .£21.95
MASTERING AMIGA DOS 3 VOL2 .£21.95
MASTERING AMIGA AMOS £19.95
MASTERING AMIGA ASSEMBLER ..£24.95
MASTERING AMIGA C £19.95
AMIGA TUTORIAL VIDEOS AVAILABLE - PLEASE ENQUIRE

FAST PROFESSIONAL MAILORDER SERVICE. SAMEDAY DESPATCH^

1) Order by phone using your credit, charge, or debit card.
2) Order by Mail - sending cheque bankers draft or postal orders payable to TRILOGIC.
3) Please add part postage & packing of £1.00 to orders under 1kg. Large/ heavy or fragile items sent by carrier only: 48HR £5.50; Overnight £7.50 Uk Mainland only. Scottish Highlands £9.50; N.IRELAND. £12.00; EIRE +£20 UK Saturday delivery £14.00 (Not available to Scottish Highlands)
^Subject to goods being in stock. All orders are accepted subject to our standard Terms of Business.

ATLAS PCs

AMIGAS ARE SCARCE or maybe you just fancy a change.
Our ATLAS PCs are an excellent value for money alternative to an Amiga.

SUPERB VALUE FOR MONEY & FEATURING:-
DUAL SPEED CD ROM; SOUNDBLASTER STEREO SOUND CARD + TWIN SPEAKERS, MS-DOS, WINDOWS & MOUSE.

FREE MICROSOFT ENCARTA & GOLF CDs WITH ALL DX MODELS

ATLAS TURBO 25MM 486SX25, 4MEG, 280MEG HD, ONLY £949 + VAT
ATLAS TURBO 33MM 486DX40, 4MEG, 280MEG HD, ONLY £999 + VAT
ATLAS TURBO 66MM 486DX2-66,4MEG, 340MEG HD, ONLY £1199 + VAT

OTHER FEATURES: SUPER FAST VL HD controller /fd/i/o card; VL 1meg Windows accelerator upgradable to 2 megs; 3.5" floppy; 14" Svga colour monitor; desktop or minitower case; 102key keyboard, quality PC mouse. Software installed and fully configured ready for use. 12 MONTHS WRRANTY. PENTIUM PCs AVAILABLE - phone for latest price.

Also available without CD Rom, CDs & Sound card - deduct £200 from above prices.

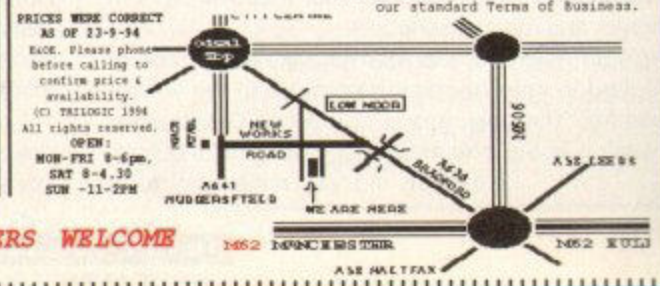
LOWEST PRICES IN THE AREA

FOR all PC PARTS & UPGRADES:- (all PC prices + vat)

Eg CASES FROM £40; MOTHERBOARDS FROM £66; GRAPHICS CARDS FROM £29; KEBOARDS FROM £20; SVGA MONITORS FROM £139;. 486DX2-66 CPU £172; PANASONIC 562 CD ROM DRIVE £115; SOUND CARDS FROM £47 etc etc.

PC UPGRADE & REPAIR SERVICE
+ POPULAR PC SOFTWARE ON DISK & CD,
AT DISCOUNT PRICES + PC BOOKS & TRAINING VIDEOS

PRICES WERE CORRECT AS OF 23-9-94
E&OE. Please phone before calling to confirm price & availability.
(C) TRILOGIC 1994
All rights reserved.
OPEN:
MON-FRI 8-6pm,
SAT 8-4.30
SUN -11-2PM



CALLERS WELCOME

And on the

...Denny Atkins created a world of his own. If you want a better place to live use World Construction Set and create a land of make believe

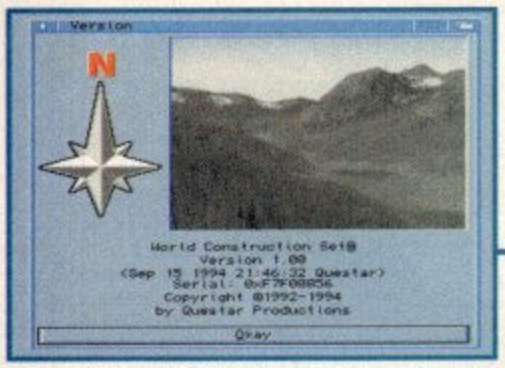
If You Know Who had been using a copy of World Construction Set to create the Earth, it might have taken a little longer than six days. But the place would probably be a lot better looking. World Construction Set isn't the easiest landscape rendering program out there to learn, but it's certainly the most flexible and powerful.

At $250, the product isn't priced for the casual user who just wants to create some cool landscape pictures to use as Workbench backdrop images.

World Construction Set uses actual United States Geological Services Digital Elevation Model (DEM) data files to render incredibly authentic and realistic images that aren't just pretty to look at – they're accurate enough to use for mapping purposes (if 90 meter resolution is detailed enough for you), and of high-enough quality to use for commercial animation work.

Of course, few people have a day-to-day need to render beautiful three-dimensional landscapes. But there are many possible uses: Creating backdrops for 3D renderings, overhead views of areas for brochures, and more.

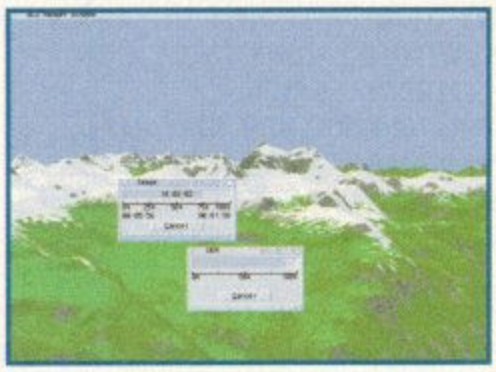
If you're creating a video presentation for an architecture firm, for instance, you might render an animation that zooms across a landscape at high speed until it reaches the new location for a building. Then you'd fade the video to a 3D rendering of that building. You may not need a landscape program, but you'll very likely find one handy if you do any art or animation work.



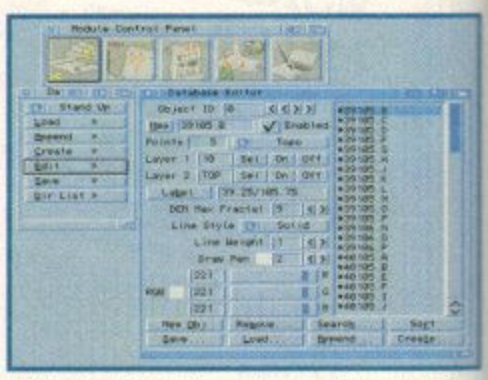
It's early days, but if version one is anything to go by World Construction set could be a classic



Total control plus import of data from other platforms



On-screen feedback on how the project is progressing



Without a doubt the most complete control system on any scenary generation system

OPENINGS

The most unique feature of World Construction Set is that it's a non-modal program. That is, you don't jump from a camera mode to a landscape settings mode to a rendering mode. Instead, the program lets you open virtually any window at any point, and you never have to close one to open another.

This can make for a lot of confusion at first, since there's not an easily followable sequence of events to go through before rendering a landscape.

However, once you learn the program you'll love the lack of modality, as it makes it very easy to quickly make dozens of changes to your projects settings without clicking dozens of windows open and closed.

You can open World Construction Set on any Public screen – a Picasso II running at 1024x768 or an AGA Amiga at 800x600 is great for working on complicated projects.

Unfortunately, that non-modality, combined with an absolutely mind-bending number of options, means that World Construction Set isn't like VistaPro and Scenery Animator – two programs you can just sit down with, click around a few times, and start creating pictures.

World Construction set features an algorithmic ecosystem mapping setup that you can use to populate your world with rocks, water, grass, and various types of trees.

The algorithmic ecosystem mapping prevents too-regular-looking distributions of trees and plants, making for a more natural looking image. You can choose between Water, Bare, Rock, Conifer, Deciduous, or Grass ecosystems.

The neatest feature of ecosystems, though, is that they can be "animated" – they change over time – so you could create an animation of a still scene that gradually progresses from summer through fall to winter as leaves change colour and the snow-line moves down the mountains.

Skies and backgrounds can be gradients, or you can use animated bitmap image

Help for the future

If there was ever a program that cried for online help, it's World Construction Set. Unfortunately there isn't any, so you'll have to refer to the manual. The manual's very complete, but the pre-release copy I previewed didn't have an index. That's a must-have for a program this complex, and hopefully Questar will add one in a future update. The company is very open to feedback, and promises to take all user requests for improvements in the program and manual seriously.

There's so much here to learn to take advantage of that it's hard to imagine requesting much in the way of new features. The only area where World Construction Set is weak is in the display and formatting of its output.

However, the vast majority of folks who buy this program are already going to have an image-processing program anyway, so why should Questar spend lots of effort supporting different rendering modes and file formats when they could instead spend the time on the landscape portions of the program?

Of course, this is the first release of World Construction Set. Among planned updates for future releases are fractal landscape generation so you can create random worlds, better LightWave support, the aforementioned Vista Pro support, and image scaling.

I can't wait. In the meantime, with a little patience, the results you can get from this program make the steep learning curve worth climbing.

seventh day...

DEM data, dem landscapes



Basic backdrops on a par with anything available from Vista &Co...

backgrounds. Questar hopes to add clouds in a future release. In the meantime, nobody has ever created an algorithmic cloud that looked half as good as a digitized one, so just map a scanned image of real clouds behind your scene.

Of course, the program supports a full 24-bit palette. There are 30 palette registers for various ecosystems and surfaces. You might set one green colour for sage scrub, and a darker one for grass.

COLOURINGS

The remaining 16,777,186 or so colours are created by the program as needed depending on your objects' base colour, the lighting (you can adjust both sunlight and ambient light), and the amount of haze. Preview images are created using a 16-color palette, but saved files contain the full 24-bit palette.

Rendering capabilities are a mixed bag. The program supports the creation of huge images – up to 32,767 x 32,767 pixels in full 24-bit. However, it saves the images as 24-bit files (IFF, Sculpt, or interleave raw RGB) and doesn't support creating final renders in various screen modes (you can preview in any screen mode, though).

This means an image-processing program such as ADPro or ImageFX is a must-have to view your final images in their full glory, and to assemble them into animation files.

Setting up your rendering is an absolute joy, thanks to the Camera Window. This is one area of the program that definitely is easy to use – in fact, easier than the competition.

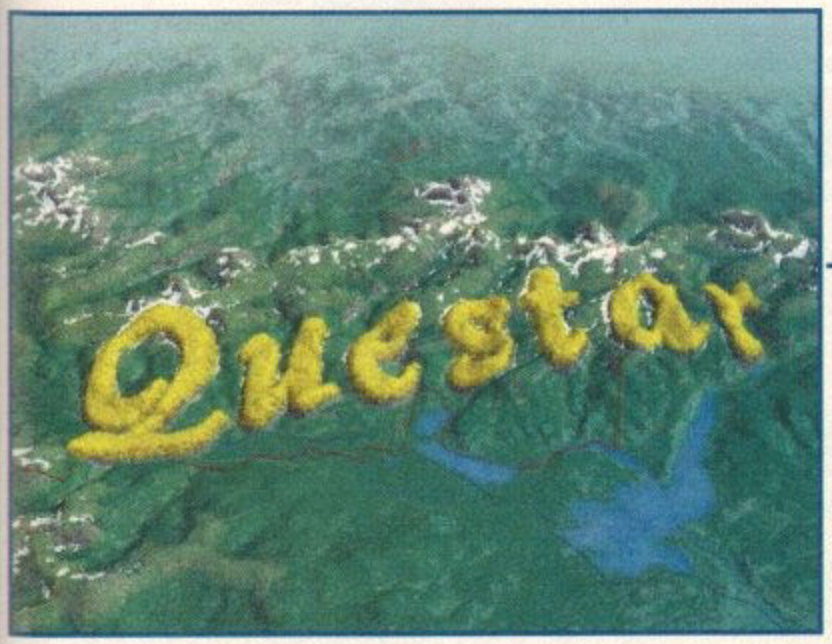
You can render a quick wireframe preview, or choose an elevation or sun-shaded view to get a better idea what your landscape looks like. You can even zoom in on a particular spot on the screen to see what the ecosystem looks like at that spot.

Rendering time varies by complexity of the scene. There are numerous mapping tricks built into the program to allow speedy rendering without having to go overboard on polygons.

The program sports sophisticated animation features. Automatic turn-banking and lookahead features, as well as spline control of all motion parameters, allow you to create landscape overflights with realistic, airplane or helicopter-like motions.

An interactive 3D wireframe layout display lets you preview and tweak your work; real-time (as fast as your screen can update, at any rate) motion previews are supported as well and all spline parameters can be edited using a timeline motion graph.

Professional animators will appreciate the LightWave motion I/O feature. You can create a LightWave scene and import it into World Construction Set, or generate a motion path in World Construction Set (so you can avoid running into terrain) and export it into LightWave so you can add other objects. By merging World Construction Set and LightWave animations, you could zoom over a realistic landscape populated by photorealistic LightWave-rendered objects, creating some amazing effects. Not having LightWave I was unable to try this, but it sounds incredible.



Add that designer touch to any image thanks to the power of IFF imports

World Construction Set uses actual USGS DEM data, rather than the custom format shared by VistaPro and Scenery Animator. This means you can obtain actual data from the USGS (which can be a pricey proposition) or, if you have a modem and access to the Internet, FTP data for free.

If you're switching from another Amiga landscape program, Questar says it will be adding support for VistaPro DEM files in the next update.

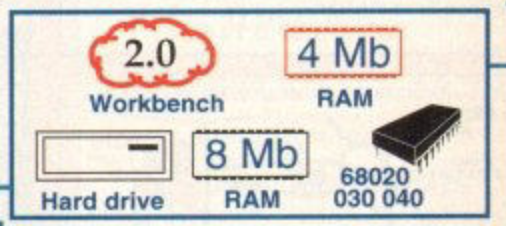
To terraform a custom landscape (think of how impressive it would be to zoom close over a mountain range and then zoom up above it to find the mountains form a company logo), you can export the file as a greyscale IFF image, touch it up in a paint program, and then re-render it.

World Construction Set includes a layering system and a GUI-based map module that allows you to place vector objects, such as political boundaries, roads, buildings, streams, and coastlines on your image; you can also label images. You can even load AutoCAD DXF vector objects and place them on your image.

AC

SYSTEM ESSENTIALS

RED = Essential **BLACK** = Recommended



The bottom line

Product: World Construction Set
Supplier: Questar
Price: $250
Tel: (303) 659-4028

Ease of use 5
Implementation 7
Value for money 8
Overall 7

now open late night Wednesday & Thursday till 7.30pm

OPEN SUNDAY 11AM TO 4PM

FIRST COMPUTER CENTRE (LEEDS) Tel: 0532 319444

"VOTED BEST AMIGA DEALER" CU JAN 93

FIRST COMPUTER CENTRE

OPEN 7 DAYS A WEEK

OPEN MON - SAT.....9.30AM-5.30PM
SUNDAY OPENING..11.00AM-3.00PM
WEDNESDAY & THURSDAY
Late Night Opening.....9.30AM-7.30PM
OPEN HALF DAY MOST BANK HOLIDAYS

TELEPHONE LEEDS

24 HOUR MAIL ORDER SERVICE

0532 319444 10 LINES!

FAX: 0532 319191

SHOWROOM ADDRESS :
DEPT. AC, UNIT 3, ARMLEY PARK COURT, OFF CECIL ST, STANNINGLEY RD, LEEDS, LS12 2AE

HOW TO ORDER

Order by telephone quoting your credit card. Please make cheques payable to the: *"FIRST COMPUTER CENTRE."*
In any correspondence please quote a phone number & post code. Do not forget to include the delivery tariff & Dept. code. Allow 5 working days for cheque clearance.

- All prices include VAT @ 17.5%
- Large showroom with free parking
- Overseas orders taken subject to status
- Educational orders welcome
- Established Multi million pound company

UK MAINLAND DELIVERY TARIFFS

- Standard Delivery.....£1.95
- Guaranteed 2 to 3 day (week days) Delivery.....£2.95
- Guaranteed Next Day (week days) Delivery.....£4.95

First Comm Bulletin Board

Why not place your orders on our new bulletin board. First comm is not just a means of ordering, it also gives you access to read or download technical support files and advice.

Tel. 0532 311422



From the M62 take the M621 and follow the turnoff for Leeds/York, A58. This will merge with the Armley gyratory.

From the M1 follow signs for the M621 (ignore exit for town centre). Take A643 Elland Rd turnoff from M621. Follow signs for A58. This merges with Armley gyratory.

From the A1 take the turnoff for the A64. This merges with the A58 (by-passing Leeds town centre) which meets the Armley gyratory. After "Living World" at traffic lights take a right, left, left again, & 2nd left to get to FCC.

We recommend you confirm prices before placing an order. E&OE.

AMERICAN EXPRESS · SWITCH · Access · VISA · MasterCard · EUROCARD

2% surcharge on AMEX

CD ROM Drives

A1200 OVERDRIVE CD-ROM
Runs CD32 software, Plays Audio CD's, shows photo CD's. Plugs into PCMCIA slot
NEW!
only £199.99

Internal SCSI CD-ROM drives for the A1500/2000-4000 (with suitable SCSI interface). All drives include driver software & will read both CDTV / CD32 & PC ISO 9660 standard disks. External kits for A3000 also available

NEC Multispin 2XI Internal £167.99
- 265Ms Access time
- 355KB transfer rate

TOSHIBA XM3401 Internal £286.99
- 200Ms Access time
- 330KB transfer rate

TOSHIBA XM4101
- 385Ms Access time
- 300KB transfer rate

Internal.£189.99 External.£259.99

Mitsumi FX0011D Dual Speed...£129.99
Tandon IDE CD ROM Controller
for use with Mitsumi only.....£64.99
GVP A4008 SCSI controller.....£122.99

AMIGA 500 Plus trade in offer

If you spend £300.00
or more with us you can trade in an Amiga 500 Plus for £100.00. Your old Amiga must be in working order complete with PSU and modulator.

NEW LOW PRICES!

HARD DRIVES

2.5" Hard Drives with installation kit
inc. software, cables and instructions
60Mb....*£134.99 120Mb...*£209.99
80Mb....*£164.99 240Mb...*£259.99

3.5" Hard Drives with installation kit
inc. software, cables and instructions
250Mb....*£184.99 350Mb...*£219.99
420Mb....*£239.99 540Mb...*£279.99

3.5" H/drive upgrade kit no HD only £22.99
*Just Add £10.00 for fitting

COMPUTERS

The *AMIGA* A1200
A1200 Standard pack only £289.99
without games software
Computer Combat pack only £329.99!
with Total Carnage, Brian the Lion, Zool 2, Wordworth 2, Print Manager, Day by Day, Personal Paint 4

HARD DRIVE VERSIONS
Standard pack
64Mb.....£424.99
85Mb.....£449.99
127Mb.....£489.99
240Mb.....£549.99

Add £60.00 to the Standard pack price for the Combat Hard Drive packs

THE CHAOS PACK!
- CHAOS ENGINE
- NICK FALDO CHAMPIONSHIP GOLF
- PINBALL FANTASIES
- SYNDICATE

only £29.99 or £19.99 with any AMIGA!

THE FIRST 5 GAME PACK
- BRIAN LION
- ZOOL 2
- DENNIS
- OSCAR
- TOTAL CARNAGE

only £19.99

The *AMIGA* 4000
A4000/030, 80 Mb HD 4Mb RAM.....£999.99
A4000/030,214 Mb HD* 4 Mb RAM....£1069.99
A4000/40
A4000/040LC,120 Mb HD*.....£POA
A4000/040LC,214 Mb HD.....£POA
A4000/40 SCSI Tower systems £POA
*The hard drive only is not covered by on site warranty

All Amiga's come with Workbench, mouse & 12 month warranty. The A1200 & A4000 come with 12 months on site warranty All 1200's also come with a built in integral hard disk option.

STEREO/SPEAKER SYSTEMS

Aerospace Deluxe £47.99
ZyFi StereoSystem.....£33.99
ZyFi Pro Stereo System.....£57.99

PRINTERS

All our printers are UK spec, come with ribbon/toner, printer drivers (if available), paper & cables!!

Canon

Canon BJ10sx.....£184.99
Laser quality output. Large buffer
Canon BJ200.....£239.99
3 page a min speed, 360 dpi, small footprint & 80 page sheetfeeder
Canon BJC600 Colour.....£459.99
new bubble jet from Canon
BJ10 Autosheetfeeder.....£49.99

CITIZEN COMPUTER PRINTERS
FREE! watch worth £35.99 with every ABC colour printer (Limited Period)

Citizen printers have a 2 year guarantee
ABC Colour printer.....£154.99
simple (as easy as ABC) to use 24 pin printer. Comes as standard with 50 sheet Auto sheet feeder. Tractor feed optional at £34.99 only £139.99 if bought without the colour option
Swift 200 Colour.....£181.99
Same out put as the 240 but with less facilities
Swift 240 Colour.....£218.99
24 pin, 240cps draft, 10 fonts, quiet mode, 240cps.
Projet II.....£214.99
new inkjet printer with built in auto sheet feeder
Swift Auto Sheet feeder.....£79.99

NEW! **EPSON**

Epson LX300 Colour.....£149.99
9 Pin 80 column colour
LQ150 Colour.....£209.99
24 Pin Draft 216cps, LQ79cps
Stylus 800+.....£249.99
48 Nozzle inkjet 360 x 360 dpi (max) 100 sheet feeder
Stylus Colour.....£469.99
Colour Inkjet, 360 x 360 dpi, 720 x 720 (on special paper)

HEWLETT PACKARD

HP 310 Portable.....£229.99
NEW! HP 520 mono.....£259.99
HP 500 Colour.....£304.99
LOW PRICE! HP 560 Colour.....£449.99
even faster than the old HP550C!!
All HP printers come with a 3 year warranty

LOW STAR PRICES — STAR COMPUTER PRINTERS

Star LC100 colour.....£124.99
9 pin colour, 8 fonts, 180 cps draft, 45 cps NLQ
Star LC24-100.....£129.99
Star LC24-30 Col.....£199.99
complete with automatic sheet feeder, 192 cps draft
Star LC24-300 Col.....£249.99
24 pin quality, 264 cps draft, 80 cps LQ, 39K buffer expandible to 48K, 16 fonts and quiet mode.

Star SJ144 Colour Thermal
Stunning affordable colour printer. 3 PPM, low running costs
only £259.99
Star SJ48 Autosheet feeder..only £49.99
Universal Printer Stand.....only £4.99

MODEMS

Think again if you are considering buying a modem from anywhere else. We are probably the largest supplier of modems for the Amiga supported by wealth of experience. Log into our free BBS modem line for technical and sales, available 24 hours a day

Supra

SupraFAXModem 288
NEW Super fast! 28,800 bps + 14,400 Fax
The best modem in its class! only £243.99

SupraFAXModem 144LC
V.32 bis (14400 baud !)
performed perfectly, to set up and never touch connection. Compare Shopper Agents
A low cost version of the classic V32Bis Fax modem. Features as below but class 1 fax only and LED display.
only £141.99 93%

SupraFAXModem V.32bis
14400 baud. includes V.32bis, V.32, V.22bis, V22, V21, MNP 5, V.42, V42bis, Class 1 & 2 commands, 9600/14400 Group 3 Fax. Includes free modem comms (not Fax)s/w & cable
only £178.99

82% Amiga Format
SupraFAX Plus.....£112.99
Faster than the standard 2400 with auto dial & auto receive. 9600 bps Hayes comp. V22Bis, V42 Bis, MNP 2-5 & auto adjust to maximise transmission speeds. With free comms (not Fax) s/w & cable.

Supra 2400..... still the best in its class £58.99
Get on line using this great value fast modem with auto dial & receive. 2400 baud Hayes comp, V22 BIS. Includes free modem comms s/w & cable!!

Supra modems have not been tested by BABT, however they perform as well & often out perform BABT approved modems.
Supra Modems come with a 5 year warranty

US Robotics
WE ARE PREFERRED USR DEALERS

Sportster 2496 +Fax.....£104.99
Sportster 14400 Fax. 85% CU AMIGA £139.99
WorldPort 2496 +Fax.....£181.99
WorldPort 14400 +Fax. 82% PC Format recommended £205.99
Courier Dual Std V34 Fax.....£428.99
Courier Dual Std Terbo Fax.....£369.99
Courier V32 Terbo Fax.....£363.99
Modem cable for Sportster and Courier £9.99. If you thought V32bis was fast try V 34 (28,800 bps). They come with a 5 year warranty *& are BABT Approved*

MONITORS

All our monitors are UK spec. All monitors come complete with a free Amiga lead*

***NEW!* Philips 8833 MK2**
This famous Stereo, colour monitor is back. Similar spec to the old Commodore 1084S.
only £234.99
Tilt and Swivell Stand only £9.99 if you purchase with monitor

Microvitec Autoscan 1438



.28 dpi, 15/38 KHz, all Amiga modes. AGA comp.no audio, tilt & swivel stand.
now only £289.99
*Free cable for A4000 only
A1200 cable £6.99 extra

PRINTER CONSUMABLES

RIBBONS

Citizen Swift mono ribbon.....£4.99
Citizen Swift Colour ribbon.....£13.99
Epson LX300 Colour ribbon.....£12.99
Star LC10/100 mono.....£3.69
Star LC200 mono.....£4.99
Star LC10/100 colour.....£7.99
Star LC200 colour.....£12.99
Star LC24-30 mono.....£8.99
Star LC24-30/200 Colour.....£11.99
Re-Ink Spray for mono ribbons.....£11.99

COVERS

Canon printer cover (please specify model).....£5.99
Citizen Swift/ABC.....£5.99
HP 500/550/510.....£5.99
Star LC100/200.....£5.99
Star LC24-300/30.....£5.99
Star LC10/20 cover.....£4.99

PAPER prices apply only when ordered with printer or purchased direct from the showroom

Fanfold (tractor feed).....500 sheets.....£4.99
Fanfold (tractor feed).....1000 sheets.....£8.99
Fanfold (tractor feed).....2000 sheets.....£17.99
Single sheet.....500 sheets.....£4.99
Single sheet.....1000 sheets.....£8.99
Single sheet.....2000 sheets.....£17.99
Delivery for 2000 sheets £5.00 when purchased without printer

PREMIER Ink Cartridge Refills

Save a fortune in running costs with your ink/bubble jet. Compatible with the HP500/550, Deskjet Plus, Canon BJ10/20/80/130/200/300/330, Star SJ48, Citizen Projet and many others. Full range of colours available.

Single refills (22ml).....£6.99
Twin refills (44ml).....£12.99
Three colour kit (66ml).....£19.99
Full colour kit (88ml).....£27.99
Bulk refills (125ml).....£24.99

Cartridges

Canon BJ10/SJ48 cartridge.....£18.99
Double life 500 cartridges.....£24.99
HP550/500 Colour cartridge.....£24.99
Epson Stylus Colour Cartridge.....£39.99
Epson Stylus mono Cartridge.....£17.99
Epson Stylus 800+ mono Cartridge.....£11.99
Star SJ144 mono cartridges (3 pack)...£21.99
Star SJ144 colour cartridges (3 pack)..£21.99

Miscellaneous

Printer Switch Box 2 way.....£12.99
Printer Switch Box 3 way.....£17.99
Printer Stands (Universal).....£7.99
3 Metre printer cable.....£6.99
5 Metre printer cable.....£8.99
10 metre printer cable.....£12.99

PRIMA A500 & A600 RAM

3 YEAR WARRANTY!!

A500 512k RAM expansion (no clock).£19.99

A500 Plus 1 Mb RAM expansion.....£34.99

A600 1 Mb RAM expansion (with clock).....£39.99

32 BIT RAM (for A4000 etc)

1 Mb SIMM.....£39.99
2 Mb SIMM.....£95.99
4 Mb SIMM...NEW LOW PRICE!....£145.99
8 Mb SIMM..NEW LOW PRICE!.....£279.99

RAM & CUSTOM CHIPS

SPEED	PLCC	PGA
25 Mhz	£49.99	£49.99
33 Mhz	£49.99	£89.99
40 Mhz	£106.99	£129.99
50 Mhz	N/A	£137.99

1mb by 8/9 SIMMS (1 Mb).....£34.99
4 Mb by 9 SIMMS (4 Mb).....£144.99
1 Mb by 4 DRAMS(1Mb).....£39.99
1 Mb by 4 ZIPS(1/2 Mb).....£32.99
256 by 4 ZIPS.....(each)£5.99
256 by 4 DRAM (DILs).....(each)£5.99
DKB 1202 A1200 RAM board.....£84.99
takes 2 32 bit SIMMs. Has an optional FPU. See above for prices
Kickstart 1.3.....£23.99
Kickstart 2.04.....£30.99
Kickstart 2.05 (for use in A600)...£30.99
Fatter Agnes 8372A.....£26.99
Super Denise.....£18.99
6571-0326 Keyboard controller.£13.99
CIA 8520A I/O controller.....£10.99

LOW PRICES! AMIGA 1200 RAM

PRIMA CO-PRO & RAM

Realise the full potential of your A1200 with this trapdoor expansion. inc real time clock

1 MB RAM.....£91.99
2 MB RAM.....£129.99
4 MB RAM.....£194.99
8 MB RAM.....£339.99
1 MB & 33 MHz CO PRO.....£139.99
2 MB & 33 MHz CO PRO.....£184.99
4 MB & 33 MHz CO PRO.....£244.99
8 MB & 33 MHz CO PRO.....£389.99
FULL 2 YEAR WARRANTY

JOYSTICKS

Competition Pro Xtra.....£12.99
Competition Pro Super CD32 Control Pad.....£15.99
Cruiser Black.....£8.99
Cruiser Multicolour.....£8.99
Cruiser Turbo.....£10.99
Freewheel Analogue.....£35.99
Gravis Game Pad.....£18.99
Logic 3 Logipad.....£16.99
Sureshot Clear.....£7.99
Speedking Analogue.....£11.99
Speedking Auto.....£10.99
Speedking Navigator.....£12.99
Topstar Auto.....£19.99
Zipstick Super Pro.....£10.99

AMIGA REPAIR CENTRE

We offer a FREE quotation on your Amiga or any peripheral (monitors, printers etc). A delivery tariff of just £5.00 is charged for return delivery or alternatively you can visit our showroom. We can also arrange a courier pickup at an additional cost of £11.00.



All work is carried out by our highly qualified engineers in custom built premises. We will also install any upgrade/software or accessory.

All repairs are covered by a 90 day warranty.

Tel. 0532 319444

The established name in computer repairs

SPECIAL OFFERS!

Deluxe Paint 4 AGA.....£39.99
Distant Suns 5.....£29.99
Personal Paint V4.....£29.99
Technosound Turbo.....£20.99
Technosound Turbo 2.....£28.99
Wordworth 2 AGA with Print Mgr & Day To Day Planner.....£39.99
XCopy Pro plus hardware.....£21.99
Workbench 2.1 software and 2.04 ROM upgrade (complete with manuals) only £74.99
Workbench 2.04 software and 2.04 ROM upgrade (complete with manuals) only £49.99

100% RATED!

AMIGA COMPUTING AUGUST 94



The amazing new graphics tablet for the Amiga developed with the help of First Computers. 86% rated in ST Format January issue! Requires 2.04 WB or above

Personal Paint 4 only £19.99 when purchased with a Tabby!

only £59.99

SCANNERS

Alfa Data Alfa Scan

hand held scanner with 256 greyscales and up to 800 Dpi

now only £114.99

or £139.99 with OCR software

Alfa Data Alfa Colour Scan

18 bit scanner with 256K colours inc colour correction

now only £299.99

Power Scanner V4 £119.99

With the latest version 4 s/w for bright & sharp grey scale performance. Flexible scanned image display manipulation options, plus Clean up, embolden, resize & flip.

Colour version only £239.99

EPSON GT6500 Colour Flatbed only £589.50 phone for details

Art Department Pro Scanner S/W..£99.99 compatible with Epson ES300C, ES600C, ES800C, GT6000, GT6500 & GT8000

MICE & TRACKERBALLS

Alfa Data Mega Mouse

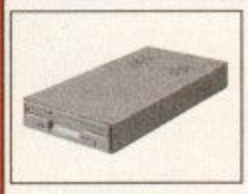
90% rating. 400 Dpi

only £12.99

Zydec Trackball only £29.99

Alfa Data Crystal Trackball only £34.99

DISK DRIVES



AMITEC 1 mb 3.5" drive

Features Anti Click, Anti Virus, Sony Mech, 2 year warranty

only £58.99

Cumana 3.5".....only £56.99

1 meg external drive. The best name in disc drives

A600/1200 internal drive.....£39.99
A500 internal drive.....£39.99
A4000 internal HD drive.....£99.99

GENLOCKS

VHS VHSC SVHS SVHSC Video 8 Hi8

hama ON DEMO NOW!

The Professional answer

hama 292.....£279.99

S-Video, and composite compatible

hama 290.....£688.99

S-Video, and composite mixing, plus far more

hama A-CUT Video Editor £185.99 NEW!

GVP Genlock.....only £264.99

features professional SVHS output

Rocgen Plus.....only £164.99

Includes dual control for overlay and keyhole effects, extra RGB pass thru. Check for compatibility.

Rendale 8802 FMC..only £164.99

Rocgen Rockey.....only £164.99

For creating special effects in video production with genlocks.

ROMBO PRODUCTS

VIDI 12 Real Time £139.99

Real time colour digitizing from any video source. Full AGA support. 12 Volt PSU for above £12.99

VIDI 24 Real Time £214.99

24 bit quality real time colour digitizing from any video source. Full AGA support. 12 Volt PSU for above £12.99

VIDI 12 AGA £59.99

Full support for AGA chipset. Colour images captured in less than a second, mono images in real time with any video source. Multitasking s/w, cut & paste.

TAKE 2 £35.99

Features include load and save from D. Paint animations and IFF files. Supports HAM graphics.

Megamix Master.....£26.99

8 bit, high spec. sampler. Special effects include echo that can be added in real time, fully multitasking & easy to use.

ACCELERATORS

VIPER 68030 TURBO only £159.99

68030 accelerator running at 28Mhz expandible to 8 Mb 32 Bit RAM (see RAM prices) Optional SCSI adaptor.

ADDITIONAL RAM FOR VIPER BOARDS

Just add the price of the RAM to the Viper board to get your configuration price

1 Mb SIMM.....£39.99
2 Mb SIMM.....£95.99
4 Mb SIMM...NEW LOW PRICE!...£145.99
8 Mb SIMM..NEW LOW PRICE!.....£279.99

SUPRA 28 ACCELERATOR

for the A500/A500+& A1500/2000

28 Mhz, uses A500 side port so there is no internal fitting

only £144.99!

PRIMA ROM SHARERS

This high quality ROM sharer features a flexible ribbon connection so that it can be positioned anywhere within your A500 Plus or A600. Full 2 year replacement warranty

now only £17.99 or £24.99

for keyboard switchable version

ACCESSORIES

Real Time A1200 internal clock module...only £13.99
Mouse/joystick manual port switcher.....only £12.99
Amiga A500/600/1200 Power Supply.....£39.99
Amiga 500/500 Plus keyboard.....£45.99
Amiga 500 Plus Motherboard.....£29.99
Amiga 500 Plus Case.....£12.99
QUALITY MOUSE MATS.....£3.99
10 CAPACITY DISK BOX.....£0.99
20 CAPACITY DISK BOX.....£2.99
40 CAP LOCKABLE DISK BOX.....£3.99
100 CAP LOCKABLE DISK BOX.....£5.49
*90 CAP STACKABLE BANX BOX.....£12.99
*150 CAP STACKABLE POSSO BOX.....£20.99
*add £3.00 delivery if purchasing just one Posso or Banx box. Normal delivery when purchased with other product or when buying 2 or more.
AMIGA A500 DUST COVER.....£3.99
AMIGA 600 COVER.....£2.99
14" MONITOR DUSTCOVER.....£6.99
NEW! Keyboard Membrane Covers.....£14.95
AMIGA TO SCART CABLES.....£9.99
STD 1.8 METRE AMIGA PRINTER LEAD....£4.99
MODEM AND NULL MODEM CABLES.....£9.99
AMIGA CONTROL STATIONS
A500 or 1200 VERSION.....£36.99
A600 VERSION.....£29.99

DISKS

All disks are 100% error free guaranteed

New High density 3.5 inch bulk and branded

Please phone for best prices!

QTY	Bulk DS/DD	Branded DS/DD
10	£4.49	£5.49
30	£12.99	£14.99
50	£20.99	£22.99
100	£37.99	£42.99
200	£69.99	£79.99
500	£168.99	£190.99
1000	£324.99	£365.99

Branded disks come complete with labels

Disk Labels....500.....£6.99
Disk Labels..1000.....£9.99

SOFTWARE

BUSINESS

Maxi Plan 4.....£24.99
Mini Office.....£38.99
Money Matters.....£35.99

CD ROM SOFTWARE NEW

17 Bit Collection.....£39.99
17 Bit Continuation.....£19.99
ASIM CDFS file system.....£54.99
Aminet.....£11.99
CD Exchange.....£19.99
Euroscene.....£14.99
Goldfish.....£29.99
Multimedia Toolkit (by Wierd Science).....£22.99
Network CD.....£14.99
Sexual Fantasies.....£34.99

NEW! PRIMA CD-ROM Volume 1

510Mb of fonts, artwork, photo's, demos, utils, games only £19.99

MISCELLANEOUS

Distant Suns 5.....£29.99

MUSIC/SOUND

Deluxe Music Construction Set v2.....£59.99
Pro Midi Interface by Microdeal.....£24.99
Techno Sound Turbo.....£20.99
Techno Sound Turbo 2.....£28.99

PROGRAMMING

Amos Professional.....£47.99
Amos Professional Compiler.....£24.99
Bliz Basic 2.....£53.99
Devpac 3.....£50.99

PUBLIC DOMAIN Top 50 from £1.50! (many more titles available)

First Fonts Disk 1.....(PDAFO1) 1 disk £2.50
First Fonts Disk 2.....(PDAFO2) 1 disk £2.50
First Fonts Disk 3.....(PDAFO3) 1 disk £2.50
Ami Base Pro v 1.8.....(PDA001) 1 disk £1.50
Disk Salv V2.....(PDA003) 1 disk £1.50
D-Copy V3.....(PDA004) 1 disk £1.50
Edword Pro V4.....(PDA005) 1 disk £1.50
Easy Calc Plus.....(PDA006) 1 disk £1.50
Relokick 1.3.....(PDA011) 1 disk £1.50
Klondyke AGA.....(PDA013) 3 disk £2.75
First Mods disk 1.....(PDA055) 1 disk £1.50
Mindwarp AGA Demo.....(PDA015) 1 disk £1.50
Motorola invaders AGA.....(PDA016) 2 disk £2.25
Magic Workbench Utils.....(PDA017) 1 disk £1.50
First Mods disk 3.....(PDA057) 1 disk £1.50
PC Task Emulator.....(PDA019) 1 disk £1.50
Reorg V3.1.....(PDA023) 1 disk £1.50
Spectrum Emulator version 1.7.(PDA027) 1 disk £1.50
Spectrum Games Disk.....(PDA028) 1 disk £1.50
Fit Chix.....(PDA030) 2 disk £2.25
9 Fingers Rave Demo.....(PDA033) 2 disk £2.25
Mean CD Machine.....(PDA036) 3 disk £2.75
Fit Chix 2.....(PDA034) 2 disk £2.25
The Mini AGA.....(PDA038) 1 disk £1.50
CD Wars.....(PDA039) 1 disk £1.50
First Mods disk 4.....(PDA058) 1 disk £1.50
Andys Workbench 3 Utils.....(PDA031) 1 disk £1.50
Desert Dreams Demo.....(PDA012) 2 disk £2.25
Origin Complex.....(PDA040) 1 disk £1.50
Ray World AGA Demo.....(PDA041) 1 disk £1.50
CLI/SHELL Help.....(PDA002) 1 disk £1.50
Clipart 1 - MacArt.....(PDAC01) 1 disk £1.50
Clipart 11 - Wildlife.....(PDAC11) 1 disk £1.50
Clipart 3 - MacArt 2.....(PDAC03) 1 disk £1.50
Clipart 4 - Food.....(PDAC04) 1 disk £1.50
Clipart 5 - Food 2.....(PDAC05) 1 disk £1.50
Perspex Hypnosis.....(PDA037) 1 disk £1.50
Protracker 3.....(PDA046) 1 disk £1.50
Tetrus AGA.....(PDA043) 1 disk £1.50
Benchmark Tests.....(PDA035) 1 disk £1.50
3 Ways to Stop Smoking.....(PDA054) 1 disk £1.50
Clipart 10 pack.....(PDAC25) 10 disk £12.50
CD ROM drivers (Ami).....(PDACD1) 1 disk £1.50
CD ROM Bonus Utils.....(PDACD2) 1 disk £1.50
Megaball AGA.....(PDA050) 1 disk £1.50
Revelations Slideshow.....(PDA020) 1 disk £1.50
Deejay Crunchers.....(PDA049) 1 disk £1.50
Find it.....(PDA052) 1 disk £1.50

UTILITIES

Directory Opus 4.....£51.99
GP FAX 2.3 software.....£49.99
Latest version of this Fast & Famous HD backup utility.
Prima A600/1200 Hard Drive setup software. This is the best setup software on the market.....£5.99
Xcopy Pro inc. hardware.....£21.99

VIDEO AND GRAPHICS

Art Department Pro 2.5.....£145.99
Art Department Scanner software.....£114.99
Brilliance II paint and animation.....£59.99
Deluxe Paint 4 AGA.....£39.99
Make Path for Vista.....£8.99
Mekon Magic.....£24.99
Real 3D Classic.....£77.99
Scenary Animator V4 (3Mb reqired).....£49.99
Terraform.....£8.99
Video Creator for CD32.....£31.99
Video Director.....£115.99
Vista Pro 3 (4Mb required).....£29.99

WORD PROCESSING/DTP

Final Copy 2 (UK) Release 2..NEW LOW PRICE! £48.99
built in outline fonts, full graphics import (IFF and HAM), UK thesaurus, spelling checker & much more.
Final Writer DTP ....NEW LOW PRICE!.....£72.99
Penpal 1.4.....£29.99
Best selling feature packed word publisher with database
Pagestream 3 U.K. version.....£249.99
Pagesetter 3.....£42.99
Protext 4.3 W/P.....£39.99
Wordworth 2 AGA inc Print Mgr Special low price!£34.99
Wordworth 3 NEW!.....LIMITED OFFER!.....£64.99

FIVE STAR PD

QUALITY PD & SHAREWARE: WE STOCK OVER 4500+ DISKS

All titles are compatible with all Amiga (Unless stated)

We only use top quality blank disks & all disks come with printed labels guaranteed 100 virus & error free

all PD & ShareWare only **99p** per disk



PRICE & HOW TO ORDER

TO ORDER....JUST WRITE THE DISK CODE & TITLES + ENCLOSE THE CORRECT PAYMENT. DON'T FORGET YOUR NAME & ADDRESS. YOUR ORDER WILL BE DESPATCHED ON THE DAY WE RECEIVE YOUR ORDER

PD Prices.....99p per disk

please add 70p for postage per order (UK)

latest catalogue disk please add 70p

MAKE P.O. or Cheque payable to: FIVE STAR PD

send to:

(Europe add 25p per disk P&P)

(Worldwide add 50p per disk P&P)

FIVE-STAR (Dept AC20)
48 Nemesia
Amington
Tamworth
B77 4EL
ENGLAND

Tel: 0827 68496

Hotline open every day & all orders same day despatch mail order only

WE ALSO STOCK THE ENTIRE COLLECTION OF FRED-FISH 1-1000 SCOPES 1-220 ASSASSIN GAMES 1-175 LSD DOC 1-46 ALL CLIP-ART/FONTS/SAMPLES ETC

UTILITIES

U001 +A-GENE program helps you trace your family tree
U002 +AMIGA SYSTEM TESTER C.L.I. base tester
U088 LABEL DESIGNER Good labels designer
U101 DATA BASE WORKSHOP (2 disks) Database compilation
U144 AMIGA FOX D.T.P. Desk Top Publishing for the Amiga
U145 XCOPY PROFESSIONAL Very easy & powerful disk copy
U146 C-MANUAL II (4 disks) Teach you how to program C
U160 600 BUSINESS LETTER ready type business letter
U169 PAINT AND ANIMATE Tool to paint and animate
U170 BIORHYTHMS v4
U195 AMIBASE-PRO II regarded the best & easy to use
U220 AMOS PAINT Easier to use than D-paint
U233 SPEECH TOY Make your Amiga speech more human
U242 IMPLODER 4.0 Make more programs fit on one disk
U250 +VIDEO TOOL (3) Lot of Video titler & programs
U284 COPY & CRACK TOOLS large collection disk copier
U287 P.C. PASCAL (2) Good Pascal language (not A1200)
U300 MESSY SID II read/write PC/MAC. ex files
U331 POWER-MENUS Very easy to use menu program
U334 EMULATOR COLLECTION II A64, PC. Mac, PC task, QL etc emulator (500 1.3 only)
U335 FREE COPY V1.8 Copy some commercial games
U343 LITTLE OFFICE Our best seller yet. Collection of the best of Wordprocessor, database & spreadsheet
U352 DESK TOP VIDEO 1 & 2 Video tool (titler)
U360 R.P.G. & ADVENTURE GAMES creator (2 disks)
U377 NCOMM III Latest in Modem software & cruncher
U383 LYAPVNOU GENERATOR Create lovely space scenery
U384 MED v3.2 The best & latest music writer program
U390 DATA BASE COMPILATION Three very good databases
U401 PLUS ISSUE 1-14 (WB 2/3) Collection of useful utilities for the A500+, A600, A1200 only
U427 PRINTER-STUDIO Improve print out text or graphic
U431 VIDEO APPLICATION (2 disks) Video titler utilities
U480 HARD DISK CLICK (2 disks) Utilities and Menu system for hard disk user
U507 DCOPY III PROFESSIONAL The latest and regarded the best in disk copiers
U572 CLUMSY ICON + CREATOR TOOL (4 disks) Pack with Icons & Icon creator program
U581 MAGNETIC PAGES Excellent disk magazine creator
U582 GATOR GRAPHIC TUTOR Get the most out of your Dpaint (not A1200)
U599 PRINTER TOOL Make the most of your printer
U601 DISKSALV II + ABACKUP Regarded two of the best HD & floppy disk backup & salvage
U609 MICRO BBC A/B EMULATOR Fully emulate the BBC computer + tutorial
U621 HOW TO CODE IN C (2 disks) Teach you how to Code in C (machine code)
U622 ACTION REPLAY (V1.5 or V4) Our best seller to date, copy, rip etc. (V4 is for A1200 other Amiga use V1.5)
U630 LOCKPICK 2 Remove copy protection & provide cheats for over 450 games. Recommended
U637 DISK REPAIR KIT 2 Repair, salvage & copy disk
U645 PC EMULATOR V2.11 (1200 only) 256 colour VGA
U650 COPY & CRACK TOOL 2 Latest copying tools
U651 C MANUAL 3 (12 disks) This is the big one, the latest in C manual. Ideal for learning C
U670 RS DEMO MAKER 2 (2 Meg) (not A500 1.3)
U677 MAGIC WB Improve your workbench environment
U681 TEXT ENGINES V4.1 the latest with 36,000 word spellchecker. Totally recommended
U682 ASTRO 22 V3 (new) Calculate star/sun position & star sign etc. Very accurate to 38 minutes
U683 DOS FILE PROTECTOR protect any text
U685 DISK MANAGER V3 catalogue file on your disk
U686 VIC-20 EMULATOR (new) games available soon
U689 FORCASTER V2 horse racing prediction game
U690 ASSASSIN COPIER collection of 9 copiers
U694 SUPER DUPER III very fast copier
U700 ANIMATION CONSTRUCTION KIT V1.2+
U702 V MORPH V2+ Create Terminator 2 effect
U703 POOL TOOLS 2L (new) horse racing prediction
U705 TRONI-CAD Create circuit boards, few examples include a sound sampler & modem etc.
U707 GAME TAMER V4 For even more games cheat
U712 EDWORD v8 PROFESSIONAL the best wordprocesser
U713 CDTV+2 PLAYER Lets you play CD while in WB
U718 MAGNUM 1.7 Latest in disk magazine creators
U721 FONT FARM V3 font + brilliant IFF font viewer
U722 EASYCAL+ sheet available yet with tons of features eg print & with max 92585 cell available
U724 PARNET SET UP WB (2 DISK)
U726 PARNET CABLE MAKER INSTRUCTION
U731 A-Z CHEAT 528 different games cheats
U727 AREX MANUAL tutorial on AREXX
U728 MENU MASTER V3 menu program with password
U730 SOFT AGA EMULATOR (A500+ A600 ONLY) min. 1.5 meg
U736 AWARD MAKER It makes awards easy 200+ included
U738 S. KICK PROFESSIONAL v3.2 (WORKBENCH 2/3 ONLY) 3 versions of the A500 emulator (NEW)
U742 HOW TO CREATE AUTOBOOT DISK self explanatory
U743 UTILITIES DISK MAKER 3 create auto boot disk. Ideal companion with above, recommended
U746 FRACTAL MANIA 93 & Biomorphs
U746 GARDEN DESIGNER design GARDEN with shrubs, trees, footpaths etc in full 3D
U747 ASTRONOMY V2 new latest version
U748 ILLUSIONS draw colour cycling effect
U749 DISK REPAIR 3 - 11 disk repair program
U750 MUSIC CATALOGUE (not A500 1.3) catalogue all your music collection
U751 SYSTEM CHECKER TOOL many system tester util
U752 EPU STACKER (not A500 t.3) EPU will double the storage capacity of your HARD DRIVE & DISK DRIVE
U754 PARBENCH installer (complete) connect any 2 Amiga/c/dr etc (Just requires Parnet cables)
U755 PRO CAD electronic. The latest circuit board designer, easy to use with examples circuit
U757 150+ PRINTER DRIVER Contains over 150 printer drivers for all sorts of printers
U760 ICON PLUS 1, 2 & 3 (3 DISKS) Hundreds of stunning WB2 or above ICONS
U761 RELOCKIT 1.4 (not A500 1.3) new A500 emulator)
U777 TELETEXT RECEIVER (build a teletext receiver)
U774 SID PROFESSIONAL New release disk utilities
U781 DOS TRACE V2 Latest release
U740 SCREEN BLANKER Large collection (excellent)
U750 MR BACK UP Professional back up HD etc.
U789 HD MEMORY V2 Use hard drive as extra memory
U784 DMS PROFESSIONAL V2 Compress 2 disks into 1
U783 POOL WINNER GOLD 1 Pools prediction
U782 CITIZEN PRINT MANAGER for Citizen printer
U846 C64 EMULATOR V3 latest release, much improved Commodore 64 emulator *C64 UTIL (2 disks)

GAMES

G096 POPEYE LCD C64 classic conversion
G112 CUBULUS puzzle games based on a RUBIK CUBE
G222 MEGA 21 GAMES collection of 21 game packs
G235 DRAGON CAVE The best animated 3D puzzle game ever. Very similar to Dungeon & Dragon type games
G257 SCRABBLE high quality board games conversion. Up to 4 player or play with computer. (not A1200)
G256 INSIDER CLUB buy/sell Stock Exchange games. Share objective of the games is making money
G272 TANK BATTLE Brilliant 2 player game
G274 MR DUG Arcade conversion (few years back)
G329 MADONNA NUDE PUZZLES 15 puzzles (jigsaw game)
G330 TOP SECRET Brilliant platform games similar to OCEAN RAINBOW & PARASOL (not A1200)
G333 CYBER-NETIC regarded the best defender type games with all usual powerup. Recommended
G334 DONKEY KONG Rescue your girlfriend (not A1200)
G335 CRAZY SUE 2 cute platform games. Brilliant graphics
G356 WONDERLAND brilliant Mario Brother games clone

FREE
16 PAGES PD DIRECTORY
Yes free 16 page printed catalogue giving full description of our entire 4800 + disk (remember this is only a small list of titles available) & includes many selections that are not listed like B&W/Colour Clipart, Lsd Doc, Fred-Fish, Assassin games etc., etc. To obtain a copy just enclose an extra 36p with your order to cover the extra postage or send a large 36p SAE.

G362 DELUXE PACMAN Still the best Pacman ever released
G366 BINGO CALLER Amaze your gran with this fully speech bingo caller
G373 AIR ACE II Very playable ZENON 3 shoot games
G389 CASINO GAMES Lots of casino type games
G390 TETREN tetrix clone (90% mark in AMIGA FORMAT)
G393 BUBBLE GHOST Game box conversion & very playable
G400 FIGHTING WARRIOR PD version of Street Fighter 2 amazing large graphic & it is £23.99 cheaper
G410 FATAL MISSION Nemesis clone with 1 or 2 player
G417 FIVE STAR 22 PUZZLE PACK Amazing collection of 22 puzzle type games, our top seller
G422 SERENE 3 similar to the commercial game ZENON
G435 ROULETTE the best Casino roulette simulation yet
G438 TRAILBLAZER conversion of the C64 classic game
G441 E TYPE 2 the best asteroid clone ever
G443 OLYMPIAD DISK (2 disk) Sport even with Lemmings as the star (very good)
G460 WIBBLE WORLD GIDDY Brilliant platform game with very large & cute graphics similar to the DIZZY series
G470 BALL LIGHTNING 1 or 2 player multi level platform
G490 MEGA BALL 2 new & highly playable breakout
G500 TRANSPLANT Voted the best game of 93, brilliant E-TYPE clone but much better, loads of power up & level
G502 DRAGON FIRE Excellent graphics (A500 only)
G519 LABYRINTH II Very good text only adventure.
G520 FATAL MISSION 2 (new see G410)
G521 FRUIT SALAD VG collect/ platform type games
G530 MAD FIGHTER (A1200 only) Superb street fighter 2 clone with very large well animated characters
G531 OPERATION FIRE STORM detailed graphic platform games with lots of action/shooting element. Brilliant
G532 AGA KLONDIKE (A1200 only) (3 disks) the best card games yet & each card has different glamour girls pic
G535 BLACK DAWN the best RoP games yet, similar to HIRES GUN, very highly rated in most Amiga magazines
G540 ORK ATTACK Very bloody shooting games with large & detailed graphics
G545 KUNG FU CHARLIES Very playable platform beatemup
G546 RAID 4 refined vertical scroll shoot em up
G560 IMPERIAL WALKER Take control of an X wing fighter in this 3D game
G567 STAR BASE 13 (2 DISKS) Brilliant graphic Epic adventure like Monkey Island 2. Recommended
G568 MONACO Fast furious racing games
G569 SUPERIX Birds eye view Formula 1 racing games
G525 GRAND PRIX MANAGER 98 Very good management type games, use point & click system, good
G526 MENTAL IMAGE 1 contains 3 games
G527 MENTAL IMAGE 2 contains 3 games
G528 MICRO MARKET well presented stock market games
G529 SKID MARK extremely realistic & very playable 4 x 4 of road racing games
G534 CASTLE KUMQUAT Very good overhead (like Alien Breed) games puzzle with lot of inter connect level
G542 ROAD TO HELL Brilliant 1 or 2 player overhead view car racing games with engine upgrade option etc.
G544 SUPERTOM CAT New vertical shoot em up games
G546 RAID 4 more refined vertical shoot em up
G657 AMOS LOADSA MONEY another very good fruit machine simulation with exceptionally large reel
G659 MR MEN OLYMPICS (2 DISKS) take Mr MEN through 5 events including 100 metres, javelin, hammer, high jump etc.
G660 L.C.D. DREAM Straight conversion of 4 LCD games including Octopus, Parachute, Fire Attack, Oil Panic
G661 POP QUIZ Answer by click on A, B or C box
G662 JELLY QUEST 3D colouring games similar to q bert
G664 NEIGHBOUR GAMES (2 DISKS) graphic adventure
G667 GOLF (2 DISKS) One of the first PD GOLF games
G668 AMOS CRICKET 2 New Amos cricket simulator, very playable if you like this sort of game
G669 MUGSYS REVENGE gangster/graphics adventure
G670 ESCAPE FROM DOOM animated graphic adventure
G671 DUNGEON FLIPPER This is the first & only Pin Ball
G672 JIGSAW (2 DISKS) Jigsaw games
G673 "BOBBY" GARDEN + DIGGER (NEW) 2 digger type
G674 HIGH OCTANE (NEW FASTER VERSION) not A500 1.3
G675 TIME RUNNER III very similar to the FLASHBACK

MORE GAMES PLEASE ORDER A CATALOGUE DISK

FIVE STAR FREE DISK
BUY 10 + DISKS AND GET 1 DISK FREE
Please cut and return this token for free disk with 10 or more titles ordered (offer only applies with this token)

EDUCATION

E001 KIDS PAINT Paint package designed for kids
E002 COLOUR KIT Colour book for kids
E003 TREASURE SEARCH Find the hidden treasure
E004 LEARN & PLAY I (not A1200) Maths & games
E005 LEARN & PLAY II for kids (order together)
E006 SPANISH TRANSLATOR (English to Spanish)
E008 MR MEN (A500 only) Story adventure
E009 ASTRONOMY tutorial on solar, star system
E010 SIMON & SPACE MATHS Maths & Simon games
E011 EDUCATION PACK 1 (5 disks) Lots of education programs range from Maths to games. We recommend you buy this collection
E019 DINOSAURS Explains what is a dinosaur
E021 STORY LAND II Interact puzzle game with 4 worlds to visit & solve (buy it....recommended)
E022 LANGUAGE TUTOR 4 languages
E025 TALKING COLOURING BOOK Very good Art/Paint package that talks
E024 EASY SPELL II Improve on their spelling
E025 SCRABBLE (not A1200) board game
E026 WORDS Can help you solve crosswords
E027 OSWALD large cartoon game kids will love
E31 IQ TEST + IQ GAMES Great to test your IQ
E33 +KEYCLICK II Good typing tutor
E35 CHESS HELPER chess tutor program
E38 AMIGA TUTORIAL explains about AMIGA
E39 COMPUTER CARE
E40 +GUIDE TO LOWER BACK PAIN Tutorial on the spine & how to avoid back pain
E42 +FRACTION & SILQUEST 2 good Maths programs
E44 STEAM ENGINE V2 Cut away animation of the Steam Engine
E45 PETROL ENGINE Cut away animation of the petrol engine
E46 GAS TURBINE ENGINE Cut away animation of the gas turbine engine
E54 DEMOLITION MISSION Simple game for kids, destroy buildings
E57 APPLE CATCHER Good graphics easy to play
E58 CROSS MAZE & CRYPTOKING
E59 VERB QUIZ Testing you or your child the word & it related
E61 KING JAMES BIBLE (4 disks) A complete bible on 4 disks fully menu driven
E70 +MATHS DRILLS Help kids improve maths etc
E071 +ERROR INFO Gives info on error guru message
E074 +AMIGA BEGINNER GUIDE
E075 +WORLD WAR 2 2nd World War with maps/pics
E076 SCIENCE (4 disks) Excellent mix of physics, chemistry & science programs. Recommended
E080 KIDPRIX New paint package specially for kids
E081 ASTRONOMY (4 disks) Plot sun location, find star, solar position etc
E090 KID D.T.P. Easy desktop publishing for kids
E092 SING ALONG RHYMES o Jack & Jill V GOOD
E094 HIGHWAY CODE TUTOR - QUESTION ? ANSWER Teach you all the highway code signs
E096 READ & LEARN With the 3 little piggy story
E097 BACK TO SCHOOL 1, 2 & 3 (3 disks) Lots of games and educational programs for kids, recommended
E100 LITTLE TRAVELLER Info on world wide places
E101 WORLD GEOGRAPHY map of the world & Britain
E103 DISCOVERY OF THE ATOM (2 disks) tutorial
E104 DESK TOP GUIDE TO MUSIC (3 disks) Massive tutorial guide to making music, recommended
E107 TRUMPTY FIREWORK ALPHABET Very entertaining way to teach your child the alphabet, fully animated
E109 MR MEN OLYMPIC (2 disks) large Mr Men characters as the stars even for this Olympic. Recommended
E110 CULT TV DATABASE (2 disks) info on early TV films
E115 ELECTRONIC WORLDS (3 disks) new K. James bibles
E116 HOW THE EARTH BEGAN Info on the Big Bang
E117 PAINT BOX DEMO kid's paint program
E118 WORKBENCH 2 Tutorial (user guide)
E119 DINO WAR Quiz on dinosaurs
E120 JUNIOR MATHS with very colourful graphics
E121 PICTURE PUZZLE Fancy a game of JIGSAW
E122 WORD FACTORY Brilliant, spelling type games
E123 KID DISK 1 best education program includes COLOUR THE ALPHABET 2, Paint etc.
E124 KID DISK 2 more high quality education
E125 JURASSIC PARK must for all dinosaur fans
E126 CHILDREN'S SONGS 2 - 5 excellent children's songs
E127 MING SHU (A500 only) Chinese Astrology
E128 ASTRO 22 PRO V3 latest astrology program
E129 KID DISK 3 (DTP) (follow up Kid Disk 1 & 2)
E130 FRENCH VERB TESTER - helps you with French
E131 CULT TV DATABASE II (2 DISKS)
E132 PHOTOGRAPHY - the Darkroom Brilliant demonstration, how to develop (photo) film. Recommended

More education software in catalogue disk

18+ DEMOS

0007 +Showering Girl 5 (A)
0013 +Bodytalk (2) (A)
0006 +Viz Calendar 1990 (A)
0007 +NIGHTBREED (A)
0009 +Maria Whittaker (A)
0024 +Sabrina Special (A)
0025 +Die Filkinger (A)
0026 +Madonna Early Days
0029 Kathy Lloyd*
0030 +Mega Maid* (A)
0031 +Calendar Girls (A)
0032 +Mayfair (A)
0033 +Utopia (A)
0045 +Girls of Sport (A)
0049 +Page 3 Girl (A)
0070 +Bon Bon Girls (A)
0071 +Tina Small (A)

DEMOS

D011 MULTITASKING Demo of what is multitasking
D016 DEAD DANCE THRASH good dance music based demo
D050 PINK FLOYD THE WALL (6 disks) Massive music & demo lasts a long time (requires 2 disk drives)
D091 STAR WARS DEMO (2 disks and A500 only) Super starwar demo, lots of X wing anim
D107 ODDYSEE (5 disk & A500 only) Incredible 40 minute space epic journey movies. Recommended
D118 STAR TREK MEGA DEMO A (A500, A1200)
D120 1911 VOYAGE Brilliant demo lot of fill vector
D152 THE ELECTRIC TOUCH Multi scroll vector etc
D174 ACID MIX 5 brilliant acid track
D261 FONTIER Incredible Elite 2 demo animation
D251 MANGA WORLD Brilliant manga slideshow
D252 JAPANESE LANG Learn how to speak Japanese
D253 SUNTEAM GG ESWAT Eswat games
D254 AKIRA DEMO Akira Manga demo
D255 TROOP JUGERNORT I Story & games
D256 MANGA WORLD 2 More Manga slide show
D257 SUNTEAM QUIZ Quiz
D258 MAKE IT SO EASY Guess

100 DEMOS PACK
NEW just released brand new collection of 100 demos. Must for all DEMO lovers, destined to be No. 1 seller, ONLY £8.00
SUITABLE FOR ANY AMIGA

A1200/A4000

AGA001 EXTENSION DEMO Stunning demo with fast landscape anim and a rotating city, receive 90% in CU
AGA002 FRACTAL GENERATOR(NEW) Create stunning fractal in 256 colour
AGA003 WORKBENCH HACK Load of hack/toy/blanker etc
AGA006 NEW SUPERKILLER Know & kill 316 types of virus, well recommended
AGA007 MINDWARP one of the very first demo for the A1200
AGA011 SLEEPLESS NIGHT 3
AGA012 PLANET GROOVE release by Team Hoi
AGA013 MOTOR INVADER 2 (2 Disks) Very playable INVADER clone set. Recommended
AGA015 POINT OF SCALE Stunning vector demo came direct from France
AGA016 CHROMA good demo
AGA017 WORLD OF MANGA AGA (4 disks) Load of cute Manga chic slide show in stunning 256 colours
AGA021 MAGIC WORKBENCH Improve the look & add extra command to your Workbench (HD required)
AGA023 U-CHESS the best chess program so far, stunning graphic but requires 4 megabytes
AGA024 WORKBENCH 3 SCREEN Great back drop for A1200 (not for beginners)
AGA041 GIF BEAUTIES VOL 1-10 Available each disk auto boot & contain loads of stunning pics of raunchy women. Note fully compatible with any Amiga
AGA062 BODY SHOP VOL 1-7 Available (2 disks each) See description above (A1200 only) & order with volume number 1 to 7 (2 disks per volume)
AGA080 FIT CHICK VOL 1-5 Available (2 disks each) see description above (A1200 only)
AGA90 ASSASSIN FIX DISK 1 brilliant collection of degrade utilities for running non compatible software, we recommended you get this 2 disk now
AGA91 ASSASSIN FIX DISK 2 (new) latest contained more degrade utility (see above) Recommended
AGA94 RELOKIT V1.4 latest, run A500 SOFTWARE
AGA97 A1200 UTIL - AGA TESTER, SYSINFO etc.
AGA98 ACTION REPLAY V4 Complete ACTION REPLAY on disk
AGA99 MADFIGHTER 2 brilliant street fighter clones
AGA100 AGA BLITZ SCREEN BLANKER
AGA101 FAST GIFF 2 display GIFF pic in Workbench
AGA102 AGA DIAGNOSTIC - NEW system tester
AGA103 BLACK BOARD AGA decent image processor
AGA104 REND 24 Similar to above
AGA105 QUICK GRAB AGA - can grab AGA screen
AGA110 WORLD BEYOND 1 (3) stunning 250 COLOUR fantasy art, leaves Atari users breathless
AGA114 SMELL LIKE CHANEL NO 5 brilliant demo
AGA121 MAGIC FACTORY (1-5) STAR TREK stunning 256 colour raytrace startreks, brilliant
AGA133 AGA UTIL v1 AGA util compilation
AGA134 AGA UTIL v2 more AGA util compilation
AGA135 AGA UTIL v3 more of the above
AGA136 AGA UTIL v4 even more of above
AGA137 IMAGE PROCESSOR IFF picture processor
AGA138 MULTIBOOT - 4 various versions A500 EMU
AGA139 WB3 HARD DISK PREF & INSTALLER installing WB3/prefrict the hard disk
AGA140 CROSS DOS PLUS v5.1 read/write PC files

SEE GAMES, UTIL ETC. FOR MORE A1200 SOFTWARE

ANIMATIONS

A013 SPACE PROBE search for alien lifeform
A022 LUXO TEENAGERS Incredible ray trace animation
A072 LIFE A BITCH (18+) We all know life's a bitch
A179 THE LIVING WORLD SLIDESHOW
A187 PERIL OF THE DEEP (2 disks) Incredible slideshow of very big sea creatures
A193 NEMESIS COMIC Animate comic set in space
A215 MADONNA 3 (3 disks) Madonna fans, get this, a must!
A251 ALIENS The best Alien slideshow & demo
A295 MANGA COMIC Cute, chic and robot slide
A302 CAT SLIDESHOW For all cat lovers
A336 FAST CAR (Not A1200) & expensive car slide show

MUSIC

M001 BEASTY BOYS Good , We Want Some Pussy songs
M002 MICHAEL JACKSON Brilliant song of "BAD"
M005 +100 C64 TUNES 100 C64 Games Music
M072 +MADONNA songs from the hunky punky album
M076 POPEYE meet the Beast Boy, very good
M156 +CD PLAYER Simulate a CD player
M160 +I AM TOO SEXY (2 disks) full song
M194 JESUS ON E'S (2 disks) Super music disk
M262 A-Z TUNES (4 disks) hundreds of C64 games music

NEW
EMULATOR & 50 Original Speccy Games Packs

NEW RELEASE SPECTRUM EMULATOR V2 IS AN UPGRADE TO VERSION 1.7 with this version you can fully program in Spectrum basic or machine code just like the real speccy computer, this version also lets you load your own Spectrum program via a soundsampler & save direct to disk. THIS PACK COMES WITH OVER 50 BRILLIANT ORIGINAL SPECCY GAMES eg. ELITE, WHEELIE, SKOOL DAZE, FINDER KEEPER 3, SUDDERRIDER, KNYON ETC TOO MANY TO LIST

STILL ONLY £4.99 (ALL AMIGAS) OR
SPECTRUM +50 GAMES PK51 ONLY £4.99
SPECTRUM +100 GAMES PK52 ONLY £7.99
SPECTRUM +200 GAMES PK53 ONLY £12.99

NOTE: all packs above contain the new Spectrum em v2+. All packs above contain top quality Spectrum games + you can order more than one pack as (GUARANTEED) all the packs contain different games and

ALREADY A SPECTRUM PACK OWNER

attention all Spectrum emulator v1.7 & 50 games (bought from us in the past). Upgrade to the V2+ & 100 games for only £4.99 + return original Spectrum 1.7 pack)

NEW U.F.O.
THE TRUE EXPERIENCE

INCREDIBLE 6 DISK SET PACK WITH REAL LIFE DOCUMENT REPORT, SIGHTING, U.F.O. KIDNAPPING ETC. MANY UNRELEASE REPORT OF CLOSE ENCOUNTERS WITH THE U.F.O. BEINGS. BRILLIANT. A MUST FOR ALL U.F.O. FANS. RECOMMENDED.

6 DISK SET ONLY £5.95

new C64 EMULATOR V3
& 30+ original C64 GAMES
& MANY C64<>AMIGA UTILITIES
This is the very latest C64 emulator V3
This pack also contains 30+ top C64 games & FULLY PRINTED INSTRUCTIONS
ONLY £3.99

101 GAMES COMPILATION PACK 1 ONLY £10.99

Brilliant collection of over 100 of the very best of PD games includes INVADER 2, Tetris, Monopoly, etc. much too many to list, very easy to use menu system, most games come with full playing instructions. MUST FOR ANY GAMES PLAYER

PRICE ONLY £10.99 WAS £12.99

NEW 101 GAME 2
PRICE WAS £14.99 NOW ONLY £12.99

This is the very latest all new 101 games pack 2 containing some of the very best PD games like Zues, Wonderland, Dragonfiles etc. much too many to list. All games are selectable from an easy to use menu & most games come with full playing instructions

101 games packs 1 or 2 are compatible with all AMIGAS
IDEAL CHRISTMAS PRESENTS FOR ALL THE FAMILY

new EMULATOR & GAME
BBC Micro A/B emu
& loads of games only £2.99
COMMODORE VIC 20 Emu
& top 50 games only £2.99
BBC EMULATOR & VIC20 EMULATOR ARE COMPATIBLE WITH ALL AMIGAs. PLEASE STATE AMIGA OWNED

NEW TITLES

AGA 150 ACTION REPLAY V5 - NEW UPDATE TO V4
X76 CINDY CRAWFORD - (2 disk) the best glamour yet
U782 CHEAT V3 - contains 1000+ games cheats & solutions
E150 INTERNET - Full guide to internet & superhighway
A419 HAVE A LAUGH - 64 humorous seaside post cards
A420 TERMINATOR 2 ANIM - (3 disks) anim. from the movies
A423 APEX anim (2) - for films anim.
U780 PRINTER MASTER plus - print banner, stationery etc.
U781 ACCOUNT MASTER - Brilliant account program
AGA141 FERRARI ART 2 (2D) - loads of Ferrari & ray trace
AGA142 SUPER LEAGUE 3 - latest manager games
AGA144 SPEAK & SPELL - educational software for kids
AGA145 BIG TOPS (18+ only) HMMmm
AGA146 KELOG LAND - brilliant platform games get a must
E148 CHESS & TUTOR - Full teach you how to play chess
E142 KID DISK 5 & 6 - 2 disks full of brilliant games and educational programs with large anim. and graphics 10/10
G680 SPACE INVASION 2 - Fantastic Galaxian clone
G681 AUTOMOBILES - PD version of SKID MARK brill.
682 BANDIT MANIA - Brilliant fruit machine demo
M370 KYLIE MINOGUE - (2D) full song 'Made in Heaven'
X075 MADONNA SEX (3 disks) 18+ only
X074 ADULT JOKE (18+ ONLY) Hmm

EDUCATION & 21 GAMES PACK
Our best seller with the best of education titles, DINOSAUR, KID PAINT, STORY & SPACE MATHS, STORYLAND II + 21 ALL SORTS OF GAMES
ONLY £4.99
SUITABLE FOR ALL AMIGAS

NEW FONT 5 DISK SET
5 DISKS FULL of very high quality IFF fonts suitable for dPaint, wb and most wordprocessors. ALL FONTS IN THIS PACK ARE GUARANTEED. NO REPEAT
ONLY £4.99

MANGA AKIRA
PACK 1 (6 DISKS)
GET TO BE THE BEST MANGA FAN YET. INCLUDES BOOKS, GAMES, STORY, TUTORIAL, BRUTIFUL MANGA VIEW SLIDESHOW & ZIPWORK CONVERSION TUTOR. EVERY DISK REGARD THE BEST IN ITS RESPECTIVE FIELD. NOTHING SUITABLE FOR ALL AMIGAS.
only £5.99

New Pack
only £4.99 per pack & every pack contains 5 disks*

COMPUGRAPHIC FONTS available pack 1, 2 or 3 pack
ADOBE TYPE 1 FONTS available pack 1, 2 or 3 pack
All packs above are suitable for Propage, Pagestream, final copy etc. (please check manual for compatibility).
COLOUR IFF FONTS available pack 1 or pack 2. Stunning 8-16 colour, large colour font ideal for headlines, demo etc. Suitable for dPaint etc.
BIT MAP CLIPART 5 pack available. Very high quality clipart for virtually all DTP & Paint programs.

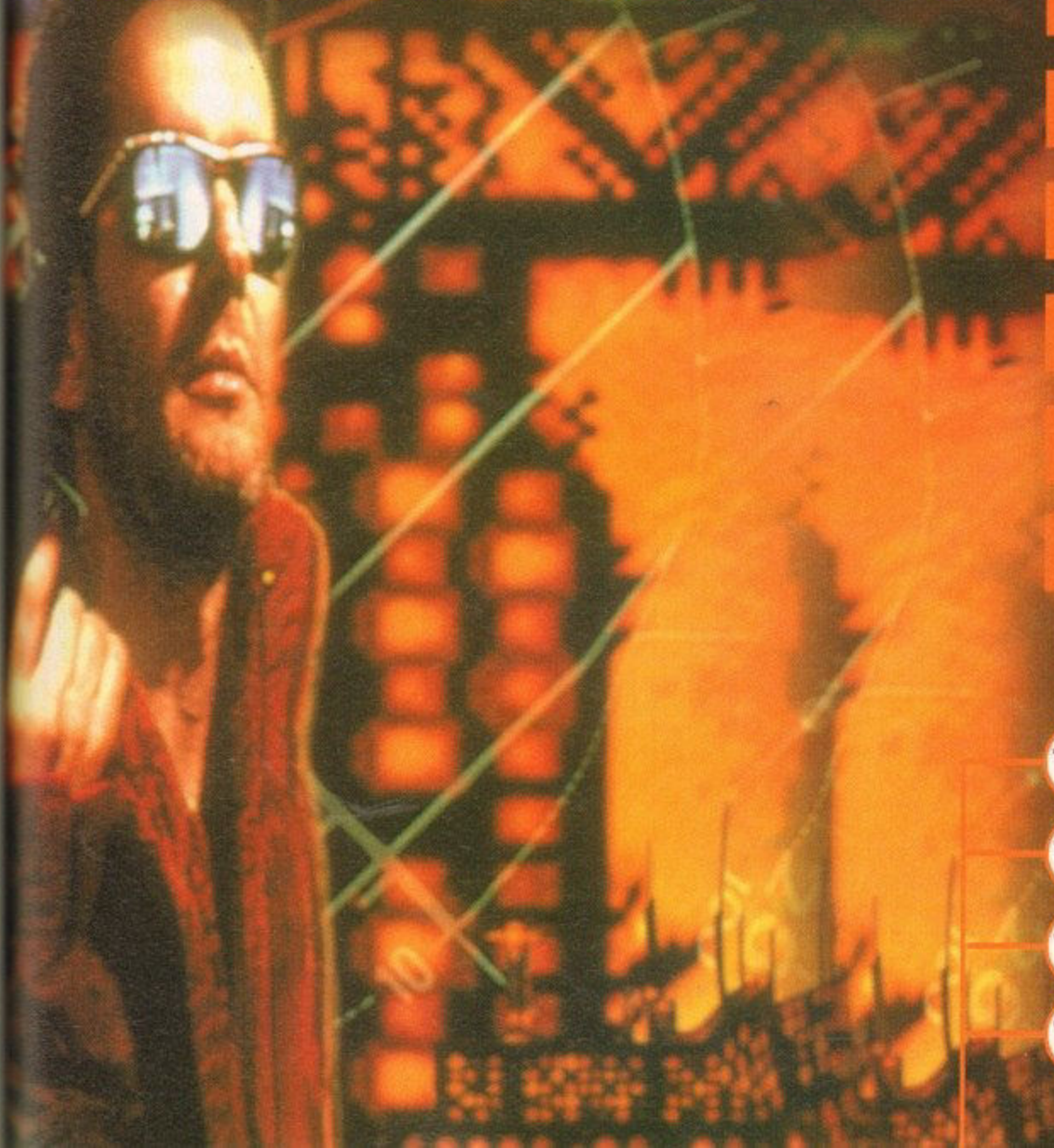
*All packs above come on 5 disks each and are guaranteed. No fonts or clipart images are repeated.

SYSTEM µ

Your essential guide to the world of Amiga gaming

A time to dream

Aid the world of its evils and go kill crazy in Empire's atmospheric and bloody adventure



Under the System spotlight this month

Guardian 108

Charlie J Cool 116

On the Ball 122

Soccer Kid CD32 133

Robinson's Requiem 135

Simon Sorceror CD32 136

SYSTEM ANALYSIS

118 Dawn Patrol

124 Premier Manager 3

126 Sensible Soccer Profile

130 Pinball Illusions

System Selections

We list some of the best releases we have looked at over the past few months and explain why every gamesplayer should have them.



King's quest 6

Sierra has finally decided to release the sixth adventure in the King's Quest series. As far as adventure games go, they don't get much better than this.

With its brilliant graphics, a fairy tale of a plot, superb playability and a level of addiction that will keep you coming back for more and more, King's Quest 6 is an adventure that should have a place in everyone's games collection.

Pinkie

A cracking little platformer. It looks beautiful with its pastel coloured graphics, it has a nice and cheesy pop-tastic soundtrack and even the gameplay differs from its competitors as it's heavily puzzle-based.

Pinkie, as a concept, isn't anything different and doesn't contain any new surprises, but as a game on its own it works remarkably well. Pinkie is a harmless little platformer that won't hurt anybody.





Universe

Without doubt, Universe is one of the games of the year so far. It has class in copious amounts and is presented outstandingly well. The combined icon and text-control system is intuitive and friendly, making this a simple game to get to grips with.

Universe is the type of adventure game that will be enjoyed by even those normally disinterested in the genre, and must be highly recommended.

Theme Park

The graphics are simply exquisite, the sound is excellent, it is as playable as hell and more addictive than any drug. It oozes sheer class and everyone that has seen it has had nothing but praise for Bullfrog's business simulator.

I could enthuse about Theme Park all day, but I don't want to because right now I want to get back to my A1200 to continue constructing my park.





Putty Squad

The graphics are beautiful and the animation is excellent, especially on the main character.

The control method, considering just what Putty can do, is very easy to use and becomes second nature to you after only a couple of goes. It is extremely addictive and I put hand on heart and recommend it to everyone. Die-hard platform freaks and Putty fans are going to love it to death.

The scores on the doors

Come on regular readers, you must know how it works by now. New readers welcome you to the most exciting part of the magazine, hold on to your hats...

I'm sure many of you are now familiar with our new scoring system, but for those reading *Amiga Computing* for the first time and those who might have forgotten exactly how it works, here is our guide to the System scoring, err system.

In our opinion, review scores have lost their context as a percentage; some products receiving scores which were only a few percentage short of being the "perfect" game, when in truth they were only marginally above average.

OK, so the scores might seem unnaturally low at first, but that's only because other scoring systems tend to be on the high side and perhaps not as comprehensive or honest as they could be.

In the long run you'll receive a more concise and reader-orientated review that's geared towards the consumer.

0-20 This is given to the lowest of the low

21-30 An all-round poor game that may have a single saving grace

31-40 Just below the average, perhaps let down by a few indiscretions.

41-55 Games of this score are roughly average with 50 being a perfectly average score.

56-66 This is an above average game and is worth buying. For this reason it would be awarded the BRONZE award.





67-77 A game of high quality that you as a reviewer would have no reservation in recommending. Anything of this ilk would be awarded the SILVER award.

78-89 A brilliant title. Definitely worth buying and almost the definitive of its kind. This type of game would receive the GOLD award.



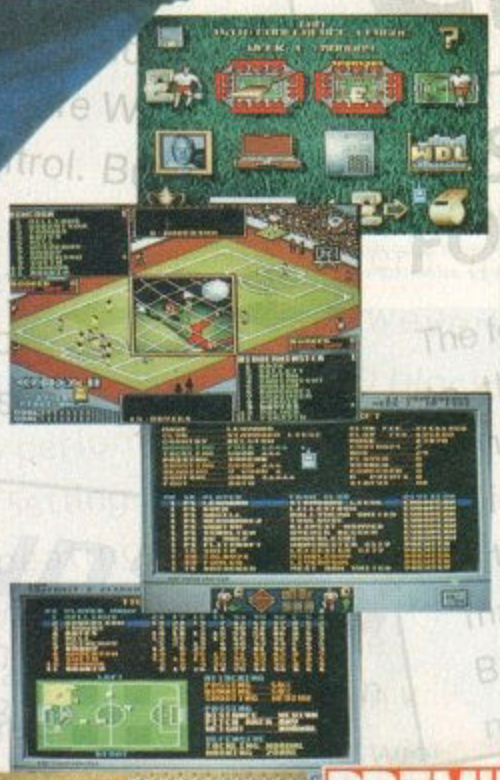
90-100 The best in its genre. This benchmark title receives the PLATINUM title.



PREMIER MANAGER 3

This game is not a matter of life & death...

...it's much more important than that...



Premier Manager 3 is the definitive football management game, and the climax to the most successful management simulation series in football history.

A whole range of exciting **new features** have been added to the immensely popular Premier Manager interface, which now includes:

● The European transfer market. ● New match display feature and user definable tactics. ● All the latest up-to-date squad listings. ● All the key European and English competitions. ● Three modes of in-match animation to help in game decision making. ● New 'Player Loan' facility. ● Assistant manager appointment. ● Direct instructions to squad members. ● Up to four independent scouts. ● Squad strengthening loans. ● Full graphic ground improvements. ● Comprehensive match reports. ● Detailed results and player/manager information service. ● Manager of the month award. ● Mid-season dismissal.



PREMIER MULTI-EDIT SYSTEM

Premier Manager 3 is the only game exclusively compatible with the new Premier Multi-Edit System™ the complete information editor ***AVAILABLE SOON***

"You'll never need another management game...ever!"

Please send me my FREE Premier Multi-Edit System™ information pack.

Name: _____

Address: _____

_____

Postcode: _____

Send this coupon to:- Premier Multi-Edit System™
Gremlin Interactive Limited, Carver House, 2-4 Carver Street, Sheffield S1 4FS, England.

Available on: ● Amiga 1200, 500/600 ● PC 3.5" disk ● PC CD-ROM

Premier Manager 3 ©1994 Gremlin Interactive Ltd. All rights reserved. Gremlin Interactive Limited, Carver House, 2-4 Carver Street, Sheffield S1 4FS, England. Tel: (0114) 275 3423.

Gremlin INTERACTIVE

MicroProse's blaze of glory

The military strategy game, Fields of Glory is making its way onto the Amiga recreating the famous Napoleonic battles of Ligny, Quatre Bras, Wavre and Waterloo, with players coming up against characters from history like Blucher, Wellington and Napoleon.

It will feature MicroProse's "Close Quarters Combat System" and an extensive database with accurate orders of battle and biographies of commanders.

In a race against the clock you will control thousands of troops by issuing your orders through a point-and-click interface. From historical battles to alien warfare, MicroProse have another release in store. UFO: Enemy Unknown will require you to defend the earth from an alien invasion.

Combining a mixture of strategy and tactical combat, you will have to control the operation of bases you build and stop the aliens invading with "isometric seek and destroy" play.

Strategy fans can look forward to these two releases very soon and both will be priced at £34.99.



Fields of Glory will recreate the atmosphere of Napoleonic warfare

system online



The recent Autumn ECTS showed that the Amiga games scene is still a hive of activity with plenty of new releases expected. Tina Hackett brings you the latest

Get ready to tumble

Not only has Renegade recently released its shooty type platformer, Ruff and Tumble, but its also set to release The Bitmap Brother's excellent Speedball 2 for the CD32.

Together with Binary Illusions, Renegade will be bringing out its humorous graphic adventure, The Flight of the Amazon Queen very soon.

The game is set in 1949 and takes place in the Amazon Jungle. With over 100 different graphic locations and 40 characters to interact with, the game looks to be huge. You play the part of Joe King (hmm!) and must fly film star Faye Russell into the jungle – the location for her new film. You meet the evil Dr. Frank Einstein and must foil his plans for World domination.

Also from Renegade we have Sensible Software's Sensible World of Soccer, the sequel to the excellent Sensible Soccer, but chocka full of new features.



Sensible World of Soocer will appeal to everyone, from arcade footy fans to those who prefer a more tactical game



40's adventuring is the subject for Flight of the Amazon Queen

Team tactics

Team 17 have plenty in store to keep Amiga and CD32 owners happy. Olde England is the setting for their strategy adventure game due out this Winter. If capturing Kingdoms and rescuing maidens in distress is your kind of thing, then King of Thieves is the game for you! The CD version will also contain spoken narratives and extra enhancements.

Looking ahead to next year, Team 17 are planning to bring out Witchwood, a "Zelda-esque" adventure game. It will be available for the Amiga around Easter and a CD32 version the following September.

Also sharing these release dates is Team 17 Pinball. The game promises all the latest features, including Multi-ball and "incredible special effects."

Racing fans with a CD32 will be able to get Off Road Racer for their machines in September '95. It will have texture-mapped graphics and a state-of-the-art 3D engine developed in house.

And if you can't wait that long, Team 17 have plenty coming up in the not-so-distant future. The sequel to Alien Breed is imminent as well as Super Stardust and ATR.

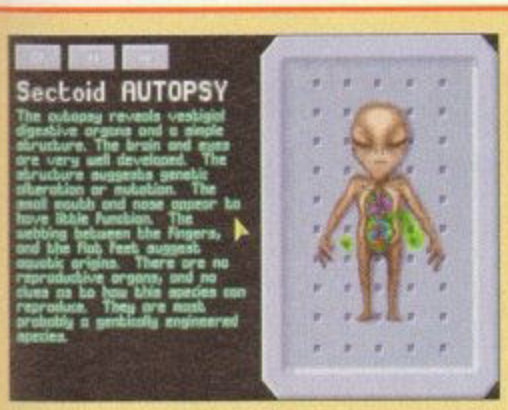
Alien Breed Tower Assault will have over 50 levels, new objectives and features such as a retreat mode which means you can fire behind you while backing off and can also make your fire dangerous to another player.



Go back in history with King Of Thieves for a strategy adventure



Super Stardust looks to be a graphically superb shoot-'em-up



UFO: Enemy Unknown promises to provide a combination of strategy and combat

Lemmings suicide shocker

Yes, those cuddly critters are at it again with another game in the making. All New World of Lemmings will feature three different Lemmings Tribes – Egyptian, Classic and Shadow (all wearing traditional costumes!) – and as well as the usual you will now have bad guys to face and trapped Lemmings to rescue.

The improvements made include larger, enhanced sprites, and the many Lemmings' skills have been reduced to a core of the more essential, making it easier to play.

Mirage rise to the occasion

One of the stands that attracted rather a lot of attention at the ECTS was Mirage. And why? Because all the versions of their Rise of the Robots game were being shown. Together with Time Warner Interactive, they are bringing out the game on at least ten formats for all Amigas and also for the CD32 sometime in November. Mirage believe it will be "the biggest multi-format launch in games history."

Julia Coombs, Marketing Manager for Mirage said: "The public who have been fed on a diet of Mortal Kombat and Streetfighter 2 will really relish the change that "Rise" provides."

"Rise" boasts that it is the "first game with a fully rendered, morphing character" and "with film quality controllable 3D graphics." Former Queen guitarist, and rock legend Brian May will be providing music for the game with two tracks from his solo album, "The Dark" and "Resurrection" being used.

They are also venturing onto the coin-op market with Bell-Fruit Manufacturing and a coin-op version of the game will be out soon.

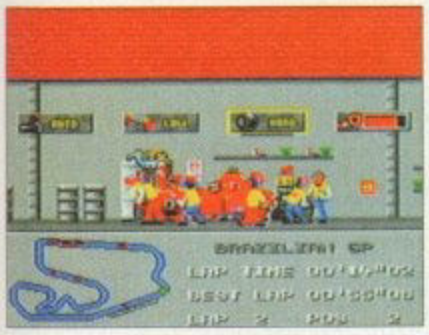
The game will be backed up with a huge pre-launch marketing campaign including TV commercials and bus shelter ads, so look out for the distinctive looking sprites at a bus stop near you!



Rise – "The biggest multi-format launch in games history"

Winning formula

Domark's successful racer F1 is to have a follow up. F1 World Championship Edition is based on the 1994 season and will feature changing weather conditions and artificial intelligence based around the actual 1993/94 driver and team performance. There will be two playing views, one from inside the cockpit and a view from behind and air turbulence which may affect the handling of the car is also included.



It's sequel mania from Domark and not only has an end-of-1994-season update disk for their football management game, Championship Manager, been brought out but a sequel is also planned.

This version will have everything from stereo sound with chants from rival fans, to match sequences with full text commentary. There will also be an enhanced player exchange system and will include the Scottish League.

Virgin's magic carpet

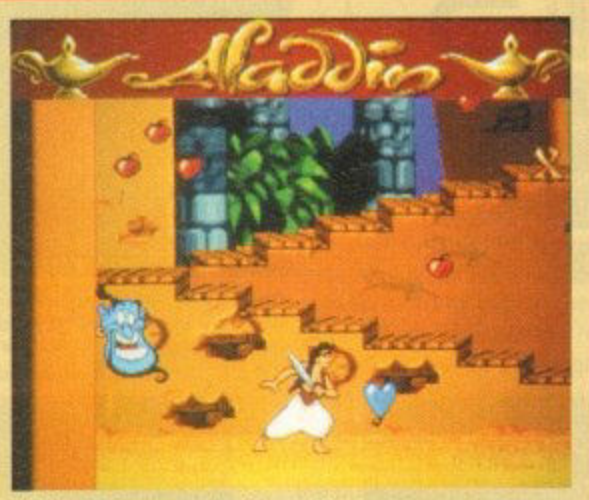
Virgin have teamed up once again with Disney to bring their Aladdin game to the Amiga. Promising all the charm of the original film it is set to be released around November.

The Disney/Virgin collaboration will also be bringing out The Lion King, Disney's new film based around a Lion Cub who is forced into the wilderness and finds refuge with Pumbaa the warthog and Timon the Meerkat.

Vice President of Disney Consumer Products, Steve McBeth commented: "Never before have game players been able to participate so fully in the emotional experience of a film. In The Lion King game, players actually enter the world of the movie, which is brought to life with unparalleled animation, non-stop action and dramatic confrontations."



Disney's gorgeous animated adventure brought to the Amiga



Flight sim fans can play the part of the D-Day fighter pilot

If flight sims are your cup of tea though you can look forward to Overlord from Virgin and Rowan Software, the creators of Reach for the Skies. The game recreates the experience of the D-Day fighter pilot and will aim to create a highly realistic simulation.

The player takes part in missions that were aimed at gaining air superiority and weakening coastal defences and they will be able to fly Spitfires, Mustangs and Typhoons.

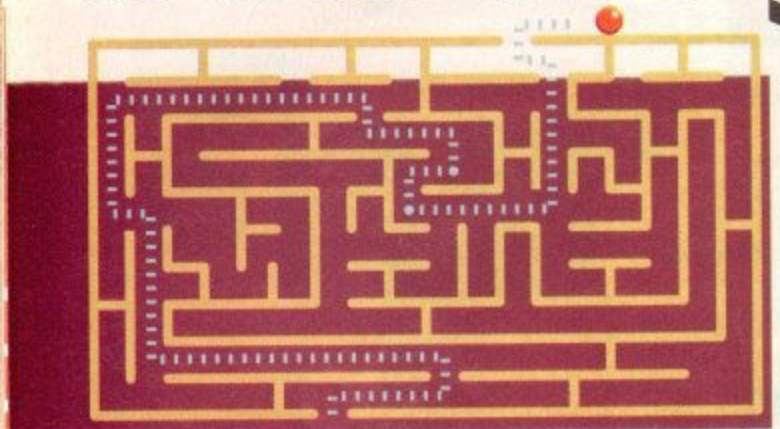
The ground sections involve the player in work back at the base, including briefings and air raids, where he can choose to fight or hide away in the Shelter.

Tough Kompart-ition

Publishers Kompart are planning quite a few releases for the Amiga, with games from developers such as Croatian Black Legend, NEO, Max Design and Arcane. Among those from Black Legend we can expect to see Embryo, a vector shoot-'em-up, Spherical Worlds, another shoot-'em-up but using a top view instead, similar to that used in Alien Breed.

New UK publishers, Arcane, are working on Turbo Trax, an over-head racing game where you can choose to race 4x4 jeeps, dune buggys, sports cars and 4x4 trucks!

beat the system



Here is a guide for gamers having trouble getting started in Core Design's quality point 'n' click futuristic adventure. System's resident adventure guru takes you on a trip around the world of Universe. Enjoy!

Universe

First thing you must do is jump off the disconnected service channel and onto the asteroid below. Search around the asteroid for a bent metal bar and a circuit board. Once you've achieved this you must jump onto the spinning rock.

This is quite tricky, but good timing is the key to success. If you miss it, don't worry, pick yourself up and try again. Once on the spinning rock, you must jump on the bridge which leads you to the next sequence of events.

Insert the bent metal bar into the panel of the satellite dish and then insert the circuit board. Use the panel and a computer read-out will appear on your screen. Select the Gavric Homeworld filtration system.

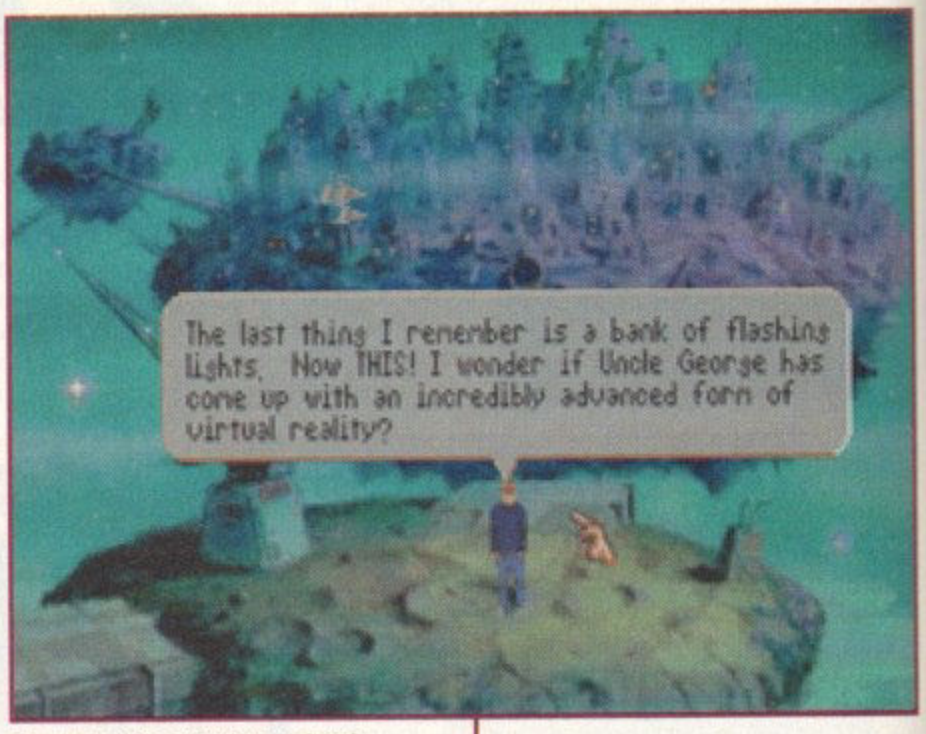
You'll now be able to link up the service channel with the Gavric Homeworld. All that's left for you to do is walk across the newly created bridge to the next scene. You'll find yourself in a mysterious city with many strange creatures wandering around the screen. Move towards the air ducts on the left-hand side of the screen. Push/pull on the air ducts and you will get sucked down to the asteroid with the spinning rock. You'll notice that you weren't the only thing that fell down the ducts. A mirror has fallen down with you – pick it up because it is a highly important object and you can't progress without it.

Once more, jump onto the spinning rock, then jump onto the service channel until you reach the satellite dish again. Proceed back to the screen with the air ducts on, then walk to the far end of the scene and turn left to exit.

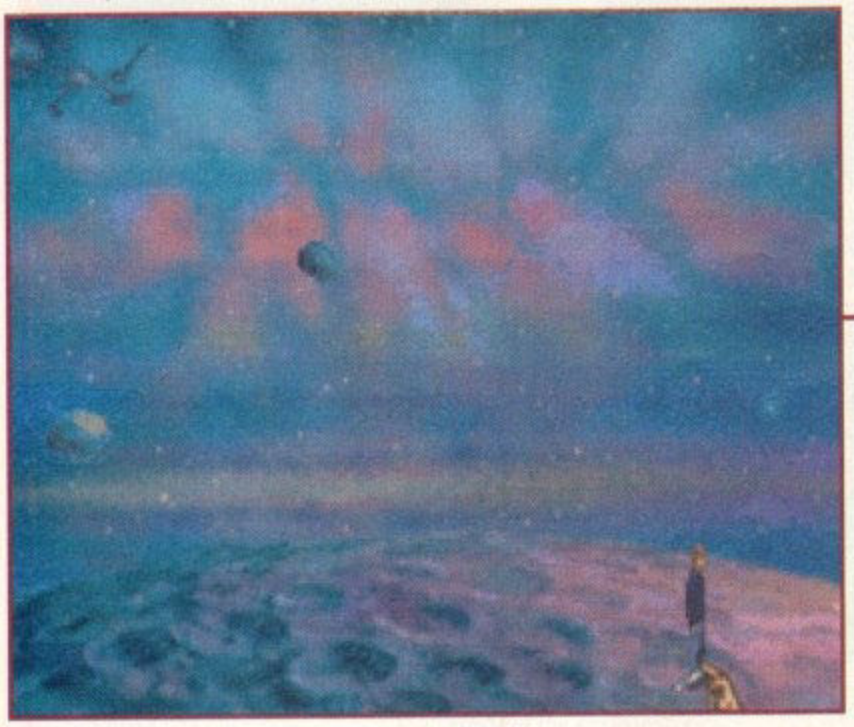
Wait for the robot to pass you by before throwing the mirror at the lasers. The laser bolts will strike the mirror and reflect back towards whatever fired them, leaving the area safe for you to explore.

Go to Silphinaa's house and use the keypad which is situated right next to the door. Once you get inside, attack the door keypad with the bent metal bar. Find the wardrobe, open it and put on the suit which you will find hanging up inside.

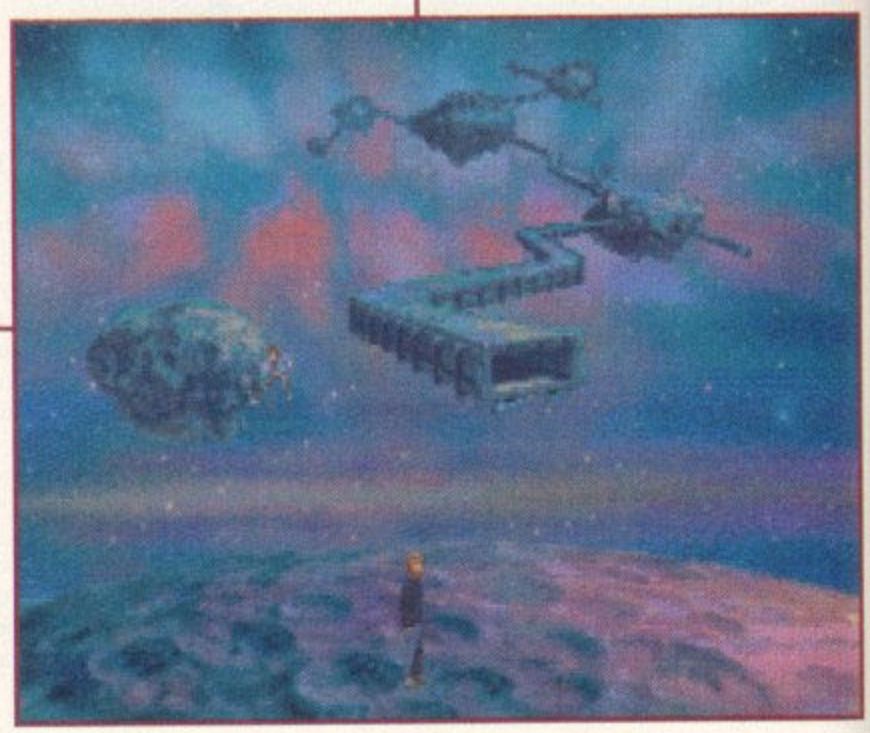
Use the arm computer on the console and then use



The start of the adventure and Boris has got a long way to go before he can get back to Earth



Boris has found the bent metal bar, now all he needs is the circuit board which, thankfully, is quite nearby



Timing is of the essence when trying to leap on top of the asteroid. Miss it and you'll have to wait a while before you can try it again



The air-ducts on the left-hand side, if inspected, will suck Boris down to the planet below, but you'll uncover the all-important mirror

the console to open the window shutter. This now enables you to jump out of the window to safety. Now use the arm computer once more, but this time on the rather flash parked car. Once you've done that, the car will now be safe to enter. Jump in, but you'll find that it needs to be hot-wired!

To get the car up and running, insert the keycard into the slot on the left of the control panel. Use the console on the right and it will ask you for a code. The code you should type in is "87764". Navigate a course to Balkmos 7 (which is currently third to the left of your existing position.

Descend to the planet and select the top-right quadrant. Pick up the droid and the spray can. Combine the droid and the can together and then use them on the aliens. Jump back in the car and ascend. Punch in a course to Jor-slev 4 (or in other words, the next planet on the map).

Descend once more and this time select the top-left quadrant. Pick up a rock from the floor and throw it at the alien. Use the droid on the blob and then quickly jump back into your futuristic motor vehicle. This time you need to select the bottom-right quadrant.

Talk to the old man in the hut, give him the blobs and he will give you some carvite in return. Jump back into your car and ascend. Lie in a course heading back to the Pfallenop asteroids. Offer Snorglat the medicinal herbs. You can now dock with the ship, use the left mouse button to accelerate and the right mouse button to activate the clamp. Unfortunately that concludes our guide to the first section of Universe, for here on in you're on your own.

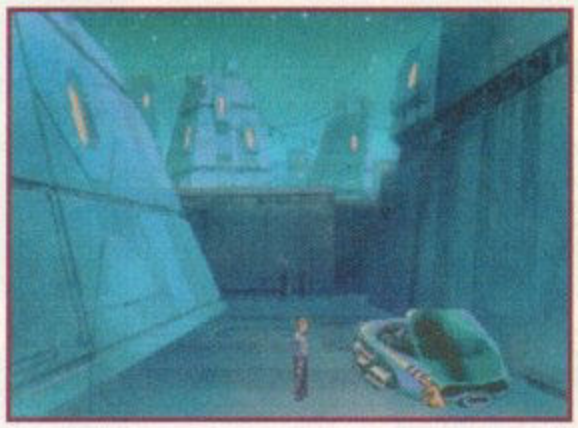


Have a chat with Silphinaa and you'll uncover some interesting facts, but don't hang about because the security droids are on their way!





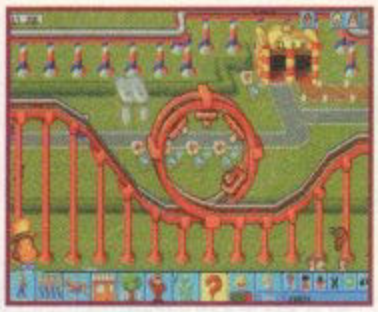
Wait for the security droid to go past and then chuck the mirror at the door. The lasers will strike and you'll be free to enter the building



After leaving the flat, via the window, you'll find a rather fine and gleaming sports car. Use the control arm and you'll be able to drive away in it

Oi Parkie!

It seems that we've got a bit of extra space in this month's Beat the System, so just for you I've prepared some hints and tips for Bullfrog's wonderful Theme Park.



Plough loads of cash into the research of new and exciting rides because nothing can pull in the crowds like a roller coaster can

The key to a successful park is pre-planning. It's best not to rush in and plonk things like rides wherever you damn well please because on the day you're park will suffer. Just use your head and think about the best areas to place your rides. The roller coasters for example, is the star attraction and is always worth a spot in the centre of your park.

The rides are important, but the pathways are what you must concentrate on. Lay these down willy-nilly and you'll find that people will start to wander and will eventually get lost or stuck. Initially, just lay the minimum of paths needed to get people to and from your rides and stalls.

As the park builds, a one-way system is seriously recommended. This will enable you to lead visitors past shops where the majority of people will start to spend their cash. Always make sure that you have plenty of signposts pointing to the exit, the toilets and all your best rides.

Your entertainers are employed to keep your visitors happy, but it is extremely important to keep the entertainers happy too. If an employee's morale is low because of problems with things such as wages then you won't get the best out of them. It's always a good idea to have plenty of handymen and mechanics working on your park. Keep them well paid and they'll fix and clean things a lot quicker. Always position handymen near your toilets because if they start to smell your park will gain a bad reputation and people will stay away.

If your staff decide to walk out, then give them the cash they want because, financially, strike action will totally cripple your park.

Keep a careful eye on the thought bubbles that appear above visitor's heads as these tell you their current mood. Only respond to a problem if there are a lot of people with the same thought. This is down to the fact that some visitors won't be happy no matter what alterations you make.

The best way to keep your visitors happy is by throwing food and drink down their necks because people are less likely to complain if their tums are full. Watch the price of your goods though.

The visitors will have loads of cash in their pockets, but the problem is trying to get them to spend it. Make sure you've got plenty of novelty and food shops dotted around, especially near the entrance/exit.

There are many strategies to use in Bullfrog's business simulation, but follow these basic rules and they should get you off to a flying start. Remember the golden rule. Plan everything by using your brain, before you click that mouse button.



Keep an eye on the prices at your various food stalls. If they're too high people will keep well away.



The early introduction of a monorail saves people walking everywhere

EP SOFTWARE



A Virus killer is an essential purchase in these days where there are hundreds of Amiga viruses. Make sure your software collection is free from all known viruses.

£4.00

VIP4-2. VIRUS KILLERS



If you're in to beat 'em ups, here's a treat. Fight against numerous opponents in this fast action beat 'em up, features enhanced sound on 2 drive Amigas.

Only £6.00

BDK6-3. KOMBAT



Who needs Sonic or Mario when you can play fantastic games like this on your Amiga. Fast, smooth scrolling platform game. Excellent stuff.

Only £5.00

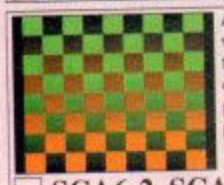
MSB5-1. MORTON STRIKES BACK



Now the summer's here, it's time to do the garden, and this is a good reason not to, because you'll be too busy designing it.

Only £3.00

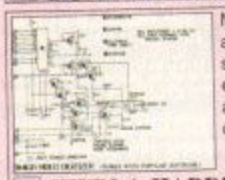
GRN3-1. 3D GARDEN DESIGNER



A two disk collection of various Scala background textures. Wood, paper, etc. Gives your Scala production a more professional finish.

Only £6.00

SCA6-2. SCALA TEXTURES



Make your own hardware and save £££s. Sound samplers, memory expansions, Bridgeboards are all here. Includes complete diagrams.

Only £3.00

HWP3-1. HARDWARE PROJECTS



Forty top quality compugraphic fonts for use with WB2/3, Pagestream, Wordworth, D Paint 4 etc, etc.

Only £7.00

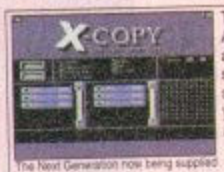
PSF7-3. COMPUGRAPHIC FONTS



Four all time classic board games. Scrabble, Cluedo, Snakes and Ladders, and Monopoly. Great fun for all the family.

All for only £10.00

BDG10-4. BOARD GAMES



This is the most powerful Amiga disk duplicator available. In fact the authors say that if you can't copy something they'll give you your money back.

Includes s/w & hardware
Special Price £29.95

SXCP30-1. XCOPY PRO.



Fifty stunning AGA images in 256 colours. All of which will blow your mind. All run as a slideshow for ease of viewing.

Only £15.00

GRL15-10. BATHING BABES AGA



The complete RSI demo maker, featuring: font editor, vector editor, graphic templates, extra music fonts etc. and a complete tutorial.

All for only £15.00

RSM15-5. RSI DEMO MAKER



Features all you need to crunch, archive & decrunch any file or disk. Includes DMS the Disk masher, Powerpacker, LHA etc.

Only £5.00

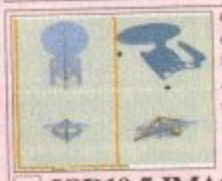
CRM5-2. CRUNCH MANIA



Over 1000 Top Amiga game cheats on five disks. Includes all popular titles like: Monkey Island, Project X etc, etc.

Only £9.00

CHT9-5. 1000 GAME CHEATS



Over 70 top quality Imagine objects on five great disks. Subjects include: Vehicles, Animals, Star Trek and loads more miscellaneous objects.

Only £10.00

IOD10-5. IMAGINE OBJECTS 2



Hundreds of general knowledge questions. Subjects include: Sport, Films, Music, Science, Geography. Test your knowledge with this excellent Trivia game.

Only £5.00

QUZ5-2. QUIZ MASTER



Run PC software on your Amiga. Supports VGA on the A1200 or A4000 works with your Hard Disk, Floppy Drive, Serial, Parallel & mouse ports.

£39.95

*Compatible with all Amigas

PCT40-1. PC TASK



A five disk set of over 70 top quality fonts for use with Wordworth 2 or 3. Simply install them and they're ready to use.

Only £10.00

WWF10-5. WORDWORTH FONTS



A complete Word processing package. Features all standard options like: cut paste, tab, spell check etc. A very easy to use package.

Only £3.00

TXE3-1. WORD PROCESSING

FREE!!!

FREE BOX OF TEN BLANK DISKS WITH EVERY ORDER OVER £25

Don't forget to ask for them



RDS3-1. RANDOM DOT STEREOGRAM

Create your own fascinating Random dot Stereograms, very easy to use.

Only £3.00



Get your finances in order with this excellent package. Take a closer look at your bank accounts, find out where all your money goes every month.

Only £7.00

FIN7-3. FINANCE



A two disk set of extra backgrounds, Icons etc. for use with Magic Workbench. Requires KS2/3.

Only £5.00

MWE5-2. MAGIC WB EXTRAS



The most professional word search, crossword solver available on the Amiga. Includes a dictionary of over 58,000 words, and you can add your own.

Only £5.00

WFP5-2. WORD FINDER PRO.



If you're new to the Amiga, then you may be having problems with missing Libraries on your workbench that are needed to run particular software. Order this now and solve those problems.

£2.00

EFB2-1. ESSENTIAL FOR BEGINNERS



A good selection of games, demos, music, graphics and tools for use only on the A1200 or A4000. A great way to instantly build your AGA software collection.

£15.00

AGA15-10. A1200 STUFF



Over a dozen objects for use in LightWave. Includes: Spacecraft, Aliens, Lasers, Jet Engines, Sky, Clouds etc.

Only £3.00

LWO3-1 LIGHTWAVE OBJECTS



If you want to be a budding Ian Beale or Floyd then THE GOURMET COOK BOOK is a good way to get started, over 50 recipes included.

Only £3.00

GCB3-1. THE COOK BOOK



Double the space available on your hard disk. If you have an 80meg drive this will give you over 150meg of available space. Runs silently in the background.

Only £5.00

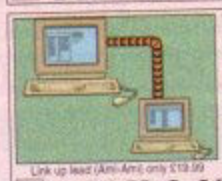
EPU5-2. DISK DOUBLER



Learning to type can be a difficult task, but not when you get a copy of our classic typing tutors. Includes three games to help you learn to type.

Only £3.00

TYP3-1. TYPING TUTORS



Whether you want to link two Amigas together, or 2 PCs or Amiga to PC, then this package will suit you. Easy to install.

Only £8.00

COM8-3. NETWORKING



Great new children's pool game, colourful and easy to use. 1 or 2 players. Joystick controlled.

Only £3.00

KPG3-1. KID'S POOL

Priority Order Form

Name .....

Address .....

.....

Amiga model ..... Payment .....

Credit Card No .....

Exp. .....

All clipart images are stored as IFF so they can be used in any Amiga DTP or paint package. Packs ITX 12-6 & HWP3-1 require some knowledge of LHA, which is supplied with these titles.
Kickstart 2/3 means you require an A500+, A600, A1200 or any machine fitted with Kickstart 2 or 3.
AGA means you will require either an A1200 or A4000 to use that particular title.

Order Value

Amount of Packs XXX10-5. PACK TITLE Individually priced	QTY	= £
Other Items		= £
Total goods value		= £
Postage & Packing Please add a total of 50p for P&P in the UK		50p in the UK. = £
Amount enclosed		= £

ALL TITLES ADVERTISED ARE IN STOCK READY FOR DESPATCH

Ordering by post
Simply send us a written order with a list of the disks you require, or simply tick the boxes of the titles you require, fill in your name and address, remove or photocopy this page and send it along with full payment to: Epic Marketing, 138-139 Victoria Rd, Swindon, Wiltshire, SN1 3BU.

Collecting disks
PD disks can be collected same day, but if your order is quite large, please phone in a few hours previous to pick up.

Overseas Orders
Overseas orders are welcome, but please add £1.00 to each title ordered, & a minimum of 5 titles apply.

Postage & Packing
Please add a total of 50p to your order if in the UK for floppy disk orders. Add £1.00 per CD in UK. Overseas please add £1.00 to each pack ordered for 1st class delivery and £2.00 per CDROM title ordered.

Compatibility
All titles advertised should work on any Amiga unless stated. AGA means that it only works on A1200/A4000. KS2/3 means that title requires an A500+/A600/A1200.

Ordering by phone
To place an order over the phone simply call any time between 9.30 & 5.30pm Monday to Saturday with your credit card details and the disks you would like to order. (Orders can usually be placed up to 6pm every evening).

X-CAD 2000

One of the most powerful **Computer Aided Design** packages available on the Amiga. Now at an unbelievable price.

Order Code ■ XCD30-1 Only £29.95

CD^{32} LINKUP

Connect your CD32 to your Amiga for easy transfer of ALL CD Rom disks. Complete with leads + CD Rom boot software.

■ CDL35-1. Only £34.95 + £1.00 P&P

Epic Marketing, First Floor Offices, Victoria Centre, 138-139 Victoria Rd, Swindon, Wilts. SN1 3BU. Tel: 0793 490988

Order hotline: 0793 490988 Fax: 514187



Megaball V3 is most definitely the best ever "Break-out" game available. Superb AGA graphics, music and gameplay make this an all time classic.

Only £3.00

MGB3-1. MEGABALL AGA

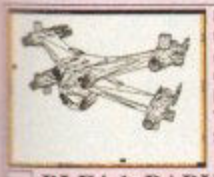


Over 100 all time classic games including: Breakout, Pacman, Space Invaders, Snakes, loads of puzzle games and more.

Only £10.00

Requires Kickstart 2/3

GG10-4. 101 GAMES



If you're into Imagine then this fantastic new Objects disk will amaze you. Objects include: **Delta Fighter, Soul Hunter, Tyranid and Vorlon One Space Craft.**

Only £4.00

BLF4-1. BABYLON 5 OBJECTS

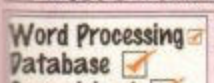


A selection of superb girly pictures to place in the background of your Workbench

Only £5.00

Requires Kickstart 3 (A1200/A4000)

WGB5-2 WORKBENCH BACKDROPS



Whether you run a small business or just need to go computerised then this superb easy to use integrated package is what you want.

£7.00

IFC7-3. LITTLE OFFICE



This is the most impressive AGA demonstration available. If you want to impress someone, then this is what will do it. Features a brill BJorg soundtrack.

Only £4.00

A1200/A4000 Only

BTS4-2. BIG TIME SENSUALITY



Large range of Textures for use in Imagine. Render your objects in a variety of shades, colours and textures. Compatible with all Amigas.

Only £12.00

* NOT RECOMMENDED FOR BEGINNERS

ITX12-7. IMAGINE TEXTURES



A compilation of very powerful disk copiers, make backups of your software collection with ease.

Only £5.00

CPY5-2. DISK COPIERS



Seventy bitmap fonts for use in almost any package including Deluxe Paint. Also features a fantastic font editor for designing or customising your own fonts.

Only £7.00

FNT7-3. FONTS & EDITOR



Tetris is the most addictive game in the world, and that's a fact. This is a compilation of five of the best. Best graphics, best sound and best playability.

Only £9.00

TET9-5. TETRIS MAYHEM



Inside Engines is a compilation of in depth animation sequences showing you the workings of all the most popular engine types.

Only £9.00

ENG9-5. INSIDE ENGINES



Hundreds of high quality professional clipart images. Subjects include: Transport, People, Computers, Xmas and loads more. A much wider scope.

Only £13.00

* TOTAL OF TEN DISKS

GFX13-10. PRO CLIPART



Over 100 all time classic Spectrum games ready to use on the Spectrum emulator. Inc: **Jet Set Willy, Skool Daze, Attic Atak, Star Trek, Uridium and loads more**

Only £15.00

SPG15-7 SPECCY EMULATOR V5+ GAMES £5.00
SEMI04 SPECCY EM + INTERFACE + GAMES £9.99

SPG15-7. SPECCY GAMES



A selection of printer drivers including all popular printers such as: Hewlett Packard, Star, Panasonic, Epson, IBM, OKI, Seikosha, Postscript etc.

Only £3.00

POWB WORKBENCH OF YOUR CHOICE INSTALLED WITH DRIVER OF YOUR CHOICE £5.00

DRV3-1. PRINTER DRIVERS



Contains a selection of Video titlers, Video wipes & backdrops. Great for creating professional home movies. All you need.

Only £12.00

VID12-6. VIDEO STUFF



If you've just purchased your Amiga you may be a bit boggled how to use it properly. Well this five disk set takes you step by step through every basic thing to know.

£9.00

* Suitable for use on all Amigas

ABG9-5. BEGINNER'S GUIDE



A collection of Amiga card games including: Poker, Craps, Solitaire etc. Great fun for all the family.

Only £10.00

CRD10-4. CARD GAMES



Over 200 Workbench 2 or 3 utilities/tools, including: text editors, virus killers, disk editors, sound & graphic tools and loads more.

Only £3.00

TTU3-1. 203 UTILITIES



Klondike the card game features unbelievable 256 colour hi-res graphics. Also available now are four new data disks featuring 4 new card designs.

Only £6.00

KLE6-4. EXTRA CARD SETS 1-4 £6.00

KLD6-3. KLONDIKE AGA

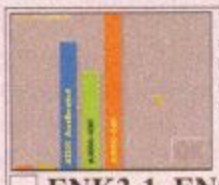


The computer game version of the classic cartoon character "Danger Mouse". An addictive platformer for kids or adults. Includes the DM theme tune and loads of sampled speech.

Only £3.00

Includes 5 different scenarios Jungle, Factory, Castle etc.

DMG3-1 DANGER MOUSE



The complete system analyser. Test your drives, memory, keyboard, mouse, expansions and all your custom chips etc.

Only £3.00

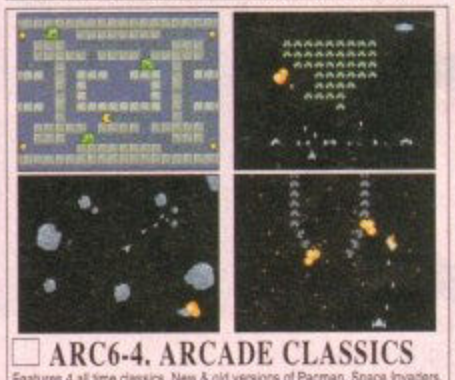
ENK3-1. ENGINEER'S KIT



Hundreds of high quality IFF samples, including: drums, guitars, bass, vocals and beats. Perfect for Music X, Med or any tracker clone.

Only £7.00

SAM7-5. IFF SAMPLES



Features 4 all time classics. New & old versions of Pacman, Space Invaders, Asteroids and Galaxians. Remember the good old days for now only £6.00.

ARC6-4. ARCADE CLASSICS



An essential tool for installing workbench on your new hard disk. Easy to use either on the A600 or A1200.

Only £7.00

* WORKS WITH A600 & A1200 ETC.

AHD7-2. HARD DISK INSTALLER



Organise your entertainment media with this set of cataloguing tools. Video, CD and disks are all catered for.

Only £5.00

* WORKS WITH A600 & A1200 ETC.

CTG5-3. CATALOGERS



If you're into Imagine then this fantastic new Objects disk will amaze you. Objects include: **Delta Fighter, Soul Hunter, Tyranid and Vorlon One Space Craft.**

Only £4.00

CLF15-8. COLOUR FONTS



This is the most impressive RAVE demo available on the Amiga, features an amazing soundtrack & wicked visuals, don't miss this.

Only £4.00

SBL4-2. NINE FINGERS



An all time classic! Features include: 7 skill levels, full league tables, 3D football ground, managerial ratings, injury problems, promotion & relegation.

Order now only £3.00

FBM3-1. FOOTBALL MANAGER



Another great puzzle game for adults. A pint of the best, a packet of peanuts and a good game of Centrefold squares. "What a life!"

Only £10.00

* PLEASE QUOTE 'OVER 18' WHEN ORDERING

CFS10-1. CENTREFOLD SQUARES



Thousands of useful tools, demos, games and graphics, Imagine objects, and loads more.

Only £19.95

CDPD IV COLLECTIONS



The Fred Fish collection. Over 4000 utilities included in this set, ranging from wordprocessing to spreadsheets, graphics tools, music and hundreds of other things.

Only £29.95

FRED FISH CD 1-1000



1000 all time classic Amiga games. Puzzles, Adventures, RPG, Shoot'em ups, Platformers. Works on the CDTV, CD32 or any other Amiga CD ROM drive.

Only £19.99

* SOME GAMES MAY REQUIRE A KEYBOARD

LOCK 'N' LOAD CD



Thousands of archived tools, including: patches, Dir tools, music, graphics, AGA tools, workbench tools. It'll take you months to sift through this lot.

Only £19.99

AMINET 3 CD ROM



A range of clipart for use with Pagesetter. Dozens of subjects including: People, Vehicles, Animals, Computers, Sport etc. etc.

£3.00

MPC3-1 PAGESETTER ART



Play Poker with some of the most lovely ladies in the world. Includes superb graphics and digitised speech,

Only £12.00

* PLEASE QUOTE 'OVER 18' WHEN ORDERING

DSP12-1. DELUXE STRIP POKER 2



Whether you're a complete beginner at chess or a champion, JI CHESS has something for you. Superb graphics and speech make this a great software title.

Only £4.00

JIC4-1 CHESS & TUTOR 1MEG VERSION

JIT4-1. CHESS & TUTOR 2 MEG



A alternative day at the butchers, and that's not Frank Butcher's. This game has more Blood 'n' Guts in it than a juicy Doner Kebab. Great fun.

Only £3.00

ZAT3-1 ZOMBIE 2 AGA



A collection of great fun educational games for children aged 7+. Maths, spelling, speed, etc. are all included in this excellent compilation.

Only £9.00

EDU9-4. EDUCATIONAL



Stop other people from accessing your floppy or hard disks, by putting a customised password on your disk. Also contains file encryption tools.

Only £10.00

PSW10-4. PASSWORD



No, I said avoid the installations

INTRODUCTION

The previews suggested that this was one worth waiting for. Despite being developed by one man in a single year, claims were being made that Guardian left Starwing on the Super Nintendo looking positively sluggish.

Now it's here looking slick, fast and rather desirable. Still, looks aren't everything and the question remains: behind the flashy surface, does the game have a heart ?

Guardian



Might as well take that enemy out now or you'll find throwing it off your trail tough

One of the first CD32-only games, Guardian is billed as a no-nonsense blaster. Gareth Lofthouse leaps into the fray.

STORYLINE

Set in the far, far future (oh God, here we go), the action takes place in a rapidly shrinking universe only a couple of light years in diameter. Millions of life-forms are battling desperately for possession of the few remaining resources. You are a Guardian, one of an elite troop of pilots with the duty of saving what's left of humanity. Your task is to protect planets against attack from wave after wave of alien invaders.

If you fail the human race is stuffed, but if you succeed they've probably had it anyway thanks to the universe crumpling in on itself. Now that's what I call incentive.



The aliens' code of honour obviously leaves them with no qualms about ganging up on you

GRAPHICS



When your disk first whirrs to life things don't bode well. You look at the title screen and think, 'What hope has the CD32 got with efforts like this ?'

Thankfully, it's a case of don't judge the book by its cover. When you take control of the fighter and start sweeping around your planet's installations, your get a radically different view of things. A 3D polygon game, Guardian immediately strikes you as very fast and smooth. This speed really enlivens the game, allowing you to battle with three, four or more enemies without any slowing of the action.

The detail of the graphics improves with progression through the game. Initially the ground installations are made of simple shapes and some of the ships are run of the mill as far as looks go.

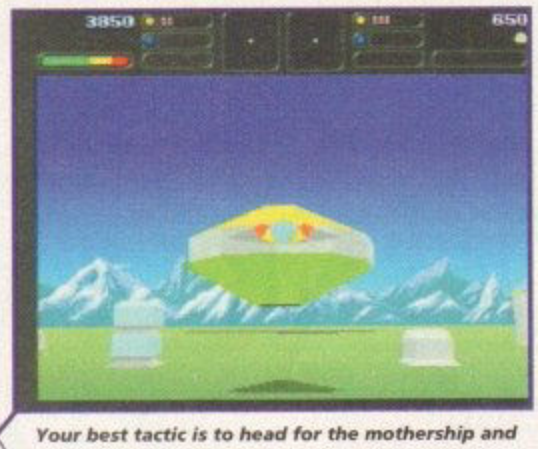
On later levels, however, the landscapes become much more interesting and the developers have obviously aimed for visual variety. Some enemy ships look great, such as the tie fighter design, and again there is a big enough range to maintain player interest.

Dogfights look spectacular as you slalem through obstacles evading streams of rapid laser fire. Hit an enemy and it bursts into a cloud of fragments – satisfaction enough for even the biggest appetites for destruction.

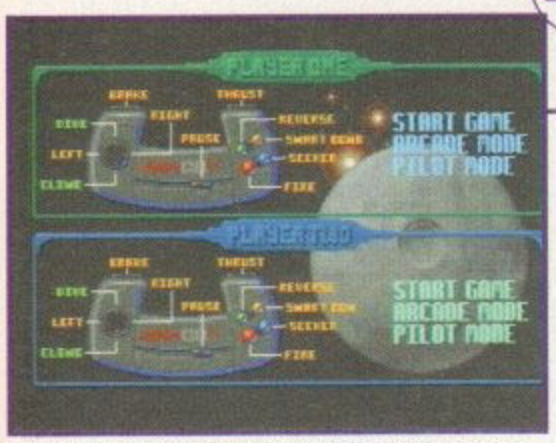
84%



And now for my disintegration trick !



Your best tactic is to head for the mothership and wipe out those Dronoids before they spread



Two can play, but unfortunately not at the same time



Here's that title screen: not bad compared to Galaxians

Publisher: Gaildhall Leisure Services
Developer: Acid Software
Disks: N/A
Price: £29.99
Genre: 3D shoot-'em-up
Hard disk install: N/A
Control system: JCD32 pad
Supports: CD32
Recommended: CD32

GAMEPLAY

Guardian has no pretensions as far as gaining the simulation depth of Elite and the like is concerned. The object is to shaft the enemy good and proper, simple as that.

Levels are cleared by destroying the droinoids dropped in waves by a huge Mothership. Though they themselves are defenseless, enemy fighters and surface craft soon materialise to give you trouble.

The control system is very effective. Moving in horizontal and vertical planes means you have to hone your targeting skills to survive, but fortunately the enemy takes some time to lock on as well.

The fighter slows to a halt unless you hold the thruster button on. That may sound annoying, but it's actually an asset since it allows you to slow down instinctively when you find yourself plunging full-speed into a web of cross-fire.

Best of all though is the back-flip move with which you can instantly get pursuers in your sights and look pretty cool at the same time. Other special weapons include tracking missiles and smart bombs.

Each enemy type of craft follows a different tactic with some, for example, fixing doggedly on to your tail while others swoop round to come guns a-blazing from an unexpected angle. As different craft appear throughout the game there's a compelling challenge in finding the best mode of engagement.

Destroying droinoids can be a way of picking up power-ups such as twin laser fire and shield boosters. Other enticements include taking on the Mothership to defend the planet, a section that is actually rather disappointing.

Make no mistake, the idea behind Guardian is simple, but winning through is very tough. It's a definite downer therefore that no password save is provided – going back to the start for the nth time tends to dampen the enthusiasm somewhat.

Another problem with this type of action is the question of durability. The futuristic combat is exciting but some other style of challenge would have been welcome; even the ancient classic Defender had you rescuing men as a break from pure trigger pumping mayhem.

An unusual feature of the game is the way you can change the viewing angle, for unlike most flight sims this is more than a flash effect. You can pull the camera up and far back and actually play effectively from an overhead view-point. Not bad for novelty value if nothing else.

80%

SOUND

This is nothing short of superb. CD audio quality obviously helps, but its the mixture of the tunes and effects themselves that really enhance the atmosphere of the game.

There's different pieces of music including the prepare-for-battle pomp of the title screen, and the wah-wah guitar driven dance music of level 1 – sorry about the NME spiel there, folks.

Sound effects range from devastating explosions to the energising buzz noise of power-ups. It's all very convincing.

88%



Once you've wiped out the droinoids, finishing a level shouldn't take much work

OPINION 83%

AMIGA COMPUTING GOLD AWARD

Let's face it, as far as pure 3D action is concerned, Guardian is the dog's gonads. Frenetic, mind-numbing combat should absorb you for long enough to leave your eyes so dead your parents will be convinced you're a smack-head.

This game is a rarity in that it actually looks and sounds like 32-bit technology. What's more, the attraction is more than skin deep thanks to playability that must have taken a lot of care and attention on the developer's part.

In fact these combined elements could have made it a classic. I say could have, because the lack of a password save system leads to tedious restarts that dull the otherwise addictive nature of the game.

That gripe aside, this title's good enough to have CD32 owners being envied for once. If you're out for plain old-fashioned action, buy Guardian and invigorate your spare time. This one shouldn't be missed.

17 BIT Software Est 1988.

TO ORDER BY PHONE OR FAX
TEL: (01924) 366982 FAX: (01924) 200943
All Major Cards Accepted Inc. Switch & American Express
TO ORDER BY POST
Send Cheques / P.O's Made Payable To:
17 BIT SOFTWARE
1ST FLOOR OFFICES, 2/8 MARKET STREET
WAKEFIELD, WEST YORKS, WF1 1DH

THE FINAL FRONTIER
Issue 7 Available NOW!
£6.95 + 50p Postage
DONT MISS IT

PUBLIC DOMAIN SOFTWARE

3348 ROBS HOT STASH 12
Hot Utils Compilation
3347 ROBS HOT STASH 11
Another Load Of Hot Utils
X3346 SPECTRUM EM V1.3
AGA Spectrum Emulation
3345 AWARD MAKER II
Design & Print Merit Awards
3344 PANASONIC STUDIO
Utils For Panasonic Printers
3343 EPU DISK STAK V1.63
Double Your HD Space
3342 (AB) MAGIC WB EXTRAS
More Icons For Magic WB
3341 FINAL WRAPPER
Text Wrap Util For Final Writer
3340 (ABC) TERM V4.0
Superior Comms Package!
3339 LOST PRINCE DEMO
Demo Of The CLR Title
3338 PICTURE MATHS
Answer Questions & Build Pics
3337 (ABCDE) CHARLY CAT 10
'Jap Cat Japes' 2MB Anim
3336 (AB) TIME ZONE
Point & Click Adventure
3335 LOCK OUT V2.1C
Prevents Access To HD's
X3334 BETTY PAGE CARDSET
Klondike AGA Cardset
X3333 STARTREK CARDSET
Another Klondike Cardset
X3332 GIF BEAUTIES 18
X3331 GIF BEAUTIES 17
X3330 GIF BEAUTIES 16
X3329 GIF BEAUTIES 15
X3328 GIF BEAUTIES 14
X3327 GIF BEAUTIES 13
X3326 GIF BEAUTIES 12
X3325 GIF BEAUTIES 11
Loads More Lush Lovelies!
3324 RELOKICK 1.41
Improved Degrader
3323 COLONIAL CONQUEST II
Strategy / Conquest Game
3322 JAPANESE TUTOR
Hirgana, Vocab & Wordaday
3321 (AB) JAPAN DICTIONARY
2 Drives Required
3320 PRODRAW GENIES
Loads Of Usefull Genies!
3319 AMICOM V2.1
Packet Radio Terminal Prog.
3318 PGP V2.3
Controversial Encryption Prg.
3317 (AB) BLUES SYMPHONIE
Nice Blues Music Disk
X3316 STELLAR DEMO
2MB Fast RAM Required!
3315 DESKTOP MAGIC
Modular Screenblanker
3314 FRUIT MANIA DEMO
Shareware Fruit Machine
3313 SUPERLEAGUE V3.51
Football / Rugby League Ed.

3312 KIDS DISK 5
3 Educational Programs
3311 MARTIAL SPIRIT DEMO
Shareware Beat Em Up.
3310 PRO GAMBLE V1.0
Horse Racing Predictor
3309 THE GREAT GOLD RAID
Classic Vic 20 Conversion!
3308 SCOTTISH FOOTY MGR
Manage Your Own Teams!
3307 ACT OF WAR MISSIONS
Requires Registered Version
3306 SOLO ASSAULT
Shades Of Wing Commander
3305 MARBLES
Good Puzzle Game!
3304 SEED OF DARKNESS
1MB Adventure Game
3303 REVENGE ANIMATION
2MB. Hedgehogs Revenge!
X3302 NLP RENDERSHOW
Superb AGA Rendered Pics.
3301 PAINT IT
Kiddies Art Package
3300 CGFONTS #11
Even More CG Fonts!
3299 CYBERPUNK NOW ISS 2
Cyberpics & Fiction!
3298 THE MAD PREACHER
Superb Rave Preacher Demo!
3297 ACCOUNT MASTER V3C
Very Popular Accounts Prog.
3296 NANO FLY
Nice Shootem Up
3295 ASI AUDIO MAGIC 7
Another Load Of Audio Utils.
3294 ASI MULTIPRINT 4
More Assassins Print Utils
3293 EDUCATIONAL COMP
Morse, French & Kids Edu.
3292 LOAN & ACCOUNTS
Compilation Of Finance Prgs
3291 DFA
Great Address Book! HD Req.
3290 RECIPEBOX / VIDEBASE
Recipie & Video Dbases
3289 VIDEOMAXE V4.33
Best Ever Video Dbase!
X3288 BACMAN
AGA Pacman. Superb!
3287 (AB) WRESTLING
2 Drives Required. Good!
3286 DRUM LOOPS & SAMPLE
3285 ANALOG BASS SAMPLES
3284 GUITAR SAMPLES
3283 121 DRUM SAMPLES
3282 DRUM LOOPS & SAMPLE
3281 LEAGUE SOCCER CARDS
Different Soccer Cards Game
3280 (AB) AMIGADEUS
Mozart By Rob Baxter
X3279 (AB) MECHANETIX II
Alien SCI FI Slideshow AGA
3278 XENOMORPHS
Playable Game Demo.

3277 ANTWARS V1.9
Superb Shareware Game
3276 THE SUMMONING
Shareware Adventure
3275 CHARLIE CHATTERBOX
Shareware. Like Splatt!
3274 AMOS EXTENSIONS
For Amos & Amos Pro
3273 TELESUBTITLE
More Video Titleing Stuff
X3272 (AB) CHANNEL Z #6
A1200 Owners Disk Mag.
3271 TIME GUARDIAN
Starts Automatic Events
3270 TRICK OR TREAT
Superb 3D Maze. 2 Players
3269 INSANE DEMO
Another Good Demo
3268 CCCP DEMO
Rave Alert!
3267 (AB) STARWOIDS
Thrust / Asteroids Game
3266 MAGIC WB EXTRAS
More Icons Etc.
3265 SPECTRUM EM V2.0
New & Improved Version
3264 YABBA DABBA DOO
Flintstones Clipart
3263 WORKBENCH 2 TUTOR
Superb Workbench Tutor
X3262 (AB) MOVIE GUIDE
AGA Movie Dbase. HD Req
3261 KNIT & VIDEOMAXE
Create Knitting Patterns
3260 BOWL SECRETARY
Ten Pin Bowling Scorer
3259 TOUCH / ART SCHOOL
Demo Of F1 Licenceware
3258 FORTRESS & K. MASTER
More F1 Licence Demos
3257 AFAX
Amiga Fax Software
3256 CGFONTS #10
Another Load Of Fonts!
3255 CGFONTS #9
Even More Fonts!
3254 (AB) MAG E ISSUE 4
Cult SCI FI Disk Mag
3253 SENSITIVE
Wierd Puzzle Game!
3252 BLACK DAWN 2
Dungeon Master Clone!
3251 THE GOLFERS GUIDE
Hilarious Anims 1.5MB
3250 ABANK DEMO
Accounting Software
3249 GAMES GALORE 18
Another Great Comp!
3248 GAMES GALORE 17
Another In The G.G Series
3247 FONT FARM 14
60 Bitmapped Fonts
3246 FONTFARM 13
More Bitmapped Fonts
3245 ASI AUDIO MAGIC #8

LATEST CLR

EDUCATIONAL

CLE 64 IQ TESTER
CLE 63 (2) TUTANKHAMUN
CLE 62 (3) BASIC MASSAGE
CLE 61 (2) SOUND & ANIMATION STATION
CLE 60 ZENER CARDS
CLE 59 (3) A TOUR THROUGH TIME
CLE 58 (3) T.C STARS & GALAXIES
CLE 57 (2) PAINT ME A STORY
CLE 56 (2) BASICALLY CHEMISTRY
CLE 55 BASICALLY BASIC
CLE 54 (2) TITANIC
CLE 53 LETS LEARN 2
CLE 52 TELL THE TIME
CLE 51 PAINT, PASTE & DRAW
CLE 50 (2) D.R.A.T V2.4
CLE 49 (3) T.C DINOSAURS II
CLE 48 ROCKET MATHS
CLE 47 SEA SENSE
CLE 46 BASIC HUMAN ANATOMY
CLE 45 FUN WITH CUBBY II
CLE 44 PORTRAITURE
CLE 43 AMOS LANGUAGE QUIZ
CLE 42 COMPOSITION
CLE 41 (2) BASICALLY MEDICINE
CLE 40 BOREALIS JUNIOR

UTILITY

CLU 41 (2) REFLECTIONS
CLU 40 ARCO V1.0
CLU 39 HARD DRIVE MENU II
CLU 38 SMALL ACCOUNTS MANAGER
CLU 37 FIND IT
CLU 36 (2) ILLINOIS PRO
CLU 35 CRITERION
CLU 34 IMAGE DOCTOR V1.0
CLU 33 AM-TUITION
CLU 32 POWER TEXT 2
CLU 31 FLOW CHARTER
CLU 30 DRAW SELECTOR
CLU 29 G.F.X.
CLU 28 ADVENTURE TOOLKIT V4.1
CLU 27 IMAGEBASE
CLU 22 HARD DRIVE MENU
CLU 21 INVOICE MASTER
CLU 20 CANNON BJ10 FONTS V2.2

GAMES

CLG 61 (3) WORLD CUP MANAGER
CLG 59 FOOTBALL CLUB MANAGER
CLG 58 (2) GIGERPHOBIA
CLG 57 DREAMSTREAM
CLG 56 SENTINAL
CLG 55 CRYSTAL QUEST
CLG 54 NATIONAL HUNT
CLG 53 (2) WALL STREET
CLG 52 ADVENTURE CREATOR
CLG 51 TEN PIN BOWLING
CLG 50 HAIRPIN 2
CLG 49 SPACE POWER
CLG 48 (2) THE LOST PRINCE
CLG 47 KIDS FUN PACK
CLG 46 ARCHIPELAGO CAMPAIGN
CLG 45 (2) KNIGHT FIGHT
CLG 44 VIKING SAGA

Disk Prices
1 To 10 Disks £1.50
11 To 20 Disks £1.25
21 Disks Or More £1.00
1 Free Disk With Every 10 You Order
U.K Postage Is 50p On Disk Orders
Europe Add 10% Of Order Value
R.O.W Add 20% Of Order Value
Min. Overseas Postage £1.00

PLEASE NOTE!
Disks With (AB) Etc. After The Number
Denotes A Multiple Disk Title.
PLEASE STATE WHEN ORDERING.
Send An S.A.E For A Complete
List Of Our Public Domain, Licenceware
And CD-ROM Titles

CLR DISK PRICES
1 Disk CLR Title £3.99
2 Disk CLR Title £4.99
3 Disk CLR Title £5.99
The Number Of Disks In Each Set Is Indicated
By The Number In Brackets After The
Disk Code.

SUPER SPECIAL OFFER!
For A Limited Period, Spend £40.00 Or More On Public Domain Software (Not CD's Or Licenceware) And We Will Send You A Full Price Game Absolutely Free! Stocks Are Limited SO HURRY!
Most Games On Offer Have Recently Been Retailed At £25.99 Or More!

We Have Managed To List Most Of The CD Titles We Stock In This Advert, However, There Are More Which We Were Unable To Display Here. We Are Also Constantly On The Lookout For Good CD Rom Titles Which We Can Import. As a result, Our Stocklist Changes Regularly. Give Us A Ring If There Is Something You Require That Is Not Listed, Or Simply Call For News Of The Latest Releases!

17 BIT Software Est 1988.

F1 LICENCEWARE

F1 001 MAGNUM PRO
F1 002 CRICKET CRAZY
F1 003 AMOS FOR BEGINNERS
F1 004 SUPERFUN
F1 005 F1 MUSIC VOLUME 1
F1 006 (2) BLACKBOARD V2.0
F1 007 FORTRESS (2 MEG CHIP)
F1 008 F1 MUSIC VOLUME 2
F1 009 THE RAINY DAY DISK
F1 010 KARATE MASTER
F1 011 IFF VECTOR BALL DESIGNER
F1 012 OBLITERATIVES
F1 013 THROUGH THE RED DOOR
F1 014 TOTS TIME
F1 016 ART SCHOOL
F1 017 F1 MUSIC VOLUME #1
F1 018 (4) RELICS OF DELDRONEYE
F1 019 TOUCH N GO
F1 020 IMPACT
F1 021 MULTIPLAYER YAHTZEE
F1 022 ASK ME ANOTHER
F1 023 PICK N STICK
F1 024 MATHS MONKEY
F1 025 (2) ART SCHOOL V1.1
F1 026 TAKE A LOOK AT EUROPE
F1 027 THE STATES OF EUROPE
F1 028 CLINDEX V1.0
F1 029 (2) AERO-DIE-NAMIX
F1 030 FORTRESS 1 MEG
F1 031 POWERBASE V3.30
F1 032 WORD POWER V2.0
F1 033 POWERPLANNER V1.1
F1 034 F1 CHALLENGE V2.0
F1 035 (3) CHILLY CHAVEZ
F1 036 MONEY CASCADE
F1 037 SUPER BINGO V2.0
F1 038 AMBASSADOR PRO
F1 039 TWO CAN PLAY
F1 040 (2) HENRY'S HOUSE
F1 041 GP MANAGER 94
F1 042 (2) MAGPIES KIDS CLIPART
F1 043 (5) MAGPIES CLIPART
F1 044 (3) BLACKBOARD V3.0
F1 045 T-TEC-MAZE

F1 PRICES
1 DISK F1 TITLE £3.99
2 DISK F1 TITLE £4.99
3 DISK F1 TITLE £5.99
4 DISK F1 TITLE £6.99
5 DISK F1 TITLE £7.99
THE NUMBER IN BRACKETS AFTER THE DISK CODE DENOTES THE NUMBER OF DISKS IN THAT SET

THE IMAGINE VIDEO COLLECTION

This 20 Min. Long High Grade Video Contains All Of Craig Collins Animation Works To Date, Specially Enhanced With Digital Sound For This Unique Collection. The Main Attractions Are The 3 Superb Animations :-

TIGRIS 3, SOLDIER X & ALIENS

Created Especially For This Production! Heres What Amiga Shopper Said Before They Awarded It 93%!
'I'd Seen Spaceward Before And Thought It Was OK, But This Was Incredible!... Mean, Grungy & Suspense Laden... If You Cant Afford It Sell All Your Non Essential Organs!'
Get Yours Now £12.99 + 75p Postage!

CD ROM SOFTWARE



17 BIT COLLECTION DOUBLE CD
Contains 1700 Disks From 0001 To Disk 2300 Of Our Own Library. Disks Can Easily Be Transferred To Floppy Using An Easy To Use Menu
£34.99 + 75p Postage & Packing



SPACE AND ASTRONOMY CD
Over 1000 Superb 256 Colour GIF Images Of Our Solar System & Other Space Objects Along With Over 5000 NASA Texts!
£19.99 + 75p Postage & Packing.



17 BIT CONTINUATION CD
Continuing The 17 Bit Range From 2301 To 2800. Also Includes All The Assassins Game Disks From 1 To 149 Plus Other Full Ranges Of Disks.
£19.99 + 75p Postage & Packing



SOUNDS TERRIFIC DOUBLE CD
Two CD's Full Of Music Modules And Sound Samples! It Would Take Weeks To Listen To The Entire Contents Of Both CD's!
£19.99 + 75p Postage & Packing



AMINET III JULY 94 EDITION
Over 3500 Amiga Programs From The Internet. Includes Games, Utils, Demos, Modules & Graphics Plus Loads More!
£19.99 + 75p Postage & Packing



DEMO CD II
650 MB Of Animations, Demos Music, Graphics Etc.
Ideal For Demo Collectors. DEMO CD 1 Also Available
£19.99 + 75p Postage



AMOS USERS CD
The Entire Amos Library On One CD! Includes Source, Sprites, Samples, Music Banks & Much More!
£19.99 + 75p Postage & Packing



EMERALD MINES CD
10,000 (YES! COUNT EM!) Levels Of The Classic Emerald Mines Game You All Know And Love. CD 32 Only.
£14.99 + 75p Postage.



CDPD IV
Fred Fish #91 To 1000, Imagine Objects, GNU C++ Compiler, A M/FM Mags To Iss. 18, Adobe, Bitmapped Fonts & Loads More! CDPD 1, 2 & 3 Also Available
£19.99 + 75p Postage & Packing



MULTIMEDIA TOOLKIT
Everything You Need To Create Your Own Multimedia Presentations Fonts, Clipart, Music, Sound Effects Sound Samples & Pictures!
£19.99 + 75p Postage.



EUROSCENE 1 CD
Late 93 & Early 94 European Demo Releases Make Up This Superb Collection For All Graphics & Sound Demo Fans
£14.99 + 75p Postage & Packing.



VIDEO CREATOR
Combine Animations & Graphics To Produce Your Own Rave Videos! Over 1000 Images Included To Help Get You Started. CD32 Only.
£32.99 + 75p Postage.



GIFS GALORE CD ROM
This Collection Contains Over 5000 Gif Format Pictures From Over 40 Different Picture Catagories!
£19.99 + 75p Postage & Packing



WIERD SCIENCE CLIPART
Contains Over 26,000 Files Of Clipart In The Following Formats. Bitmapped IFF, Proclips, Pagestream & Pagesetter, EPS, IMG & Coral Draw Format. Outstanding Budget Price!!
£9.99 + 75p Postage



CD32 NETWORK CD
Connect Your CD32 To Any Amiga For Complete CD Access. Contains Network Software And A Whole Host Of Other Usefull Programs. Network Cable Required & Available Seperately.
CD £14.99 CABLE £19.99 + 75p P&P



WIERD SCIENCE FONTS CD
Over 18,800 Files In 900 Directories! Formats Include Adobe, CG, Bitmap, IFF & Coloured, Postscript, Pagestream & Prodraw, Truetype & PCX, Calamus & GDOS. A Magnificent Collection!
£9.99 + 75p P&P



PROFFESSIONAL FONTS CD
For Serious DTP Users. This CD Contains 162 MB Of PCX, GIF, EPS & TIFF Clipart Along With 320 MB Of Adobe, Compugraphic & True Type Fonts + Loads More!
£19.99 + 75p Postage & Packing



CDPD II
Contains Fred Fish From F751 To F890 Both Ready To Run And In LHA Format. Dozens Of 24 Bit Scans, Ham And AGA Ham 8 Versions. Hundreds Of IFF Clip Arts & Much Much More! £19.99 + 75p Postage

SPECTRUM GAMES PACK
7 Disks Absolutely Crammed Full To Bursting With Spectrum Games For Use With Any Of The Spectrum Emulators Currently Available Buy Yourself A Whole Wadge Of Nostalgic Speccy Gaming! Only £10.00 Including P&P!

SPECTRUM GAMES PACK II
The Sequel To Our Best Selling Games Pack. Another 6 Disks Chock A Block With Even More Hot Spectrum Stash!
Get The Lot For For £7.50 Inc P&P

TRADE ENQUIRIES
Are Welcome On All Our CD Titles. Call Or Fax For A Trade Price List Of Current Stock And Details Of New Releases

INTRODUCTION

It's dark. It's dangerous. It's definitely not for little kids. It's got a self-imposed 18 certificate. It's definitely not even suitable for adults with weak constitutions. It is Dreamweb and it could, and probably will, change your opinion on computer games overnight.

Sex, drugs, violence and swearing. A lethal combination whichever way you look at it and only a couple of complete loonies would attempt to put them all in a game.

Creative Reality are, at this moment, tied up in straight jackets, dribbling profusely and bouncing around a rubber cell because not only have they attempted to put the above elements into a piece of software, they've succeeded in doing so.

In your dreams you travel to a place called the Dreamweb. Everybody does. It is a plane of subconsciousness which affects your life every day. It controls the very heart of civilisation.

The forces of evil have discovered the power of the web and have installed evil people to control it. The web is overrun and destined to remain evil forever. Only one person can stop this happening.

You play the part of Ryan, the chosen one. Summoned by the keepers of the web, you must destroy all seven evil controllers of the web to restore equilibrium back to the Dreamweb.

It is a completely mad idea and luckily, one of the best ideas for a computer game that I've ever heard. It's got to be much better than bouncing on platforms trying to rescue a captured cutesy Princess from the clutches of some evil force.

Welcome to the dark, violent work of Dreamweb. Enjoy, it's what the Amiga games world has been waiting for.

Dreamweb

Take a trip to hell and have a quick peek in Satan's games cupboard. Look right at the top of his collection and you'll find Creative Reality's adventure. Jonathan Maddock has found the game he's been looking for all his life and he's about to share it with you



The inventory system in Dreamweb can hold plenty of objects and is relatively simple to use



GRAPHICS

The adventure is viewed from an overhead perspective which works incredibly well. You're able to see everything and get a good overall picture of what's going on in the adventure.

The various locations are amazingly detailed. Ryan's flat, for instance, isn't nice and tidy. It's completely littered with objects, all of which can be picked up and used, whether they've got a purpose within the game or not.

The objects, incidentally, are unlike anything you've ever seen before. There are absolutely no restrictions on how you can or can't use them. Every single one can be picked up and then put down, which doesn't sound that significant, but you can put the objects down wherever you damn well please.

The actual animation of the various events and characters is superb, especially when you consider the size of the playing area which could have been a big problem. Creative Reality has got around this though by using a zoom feature. Whenever your mouse wanders over the playing area, you are presented with a close-up of that particular area of the screen, making it much easier to see the various objects.

Objects such as the pair of shades can be used, for no particular reason except to make Ryan look incredibly hip and things like cigarettes can be smoked, but serve no real purpose within the game. It's these little touches, which have had a lot of time spent on them, that go together to lift Dreamweb high and away from all its adventure competitors.

It's obvious that the day before the graphic artist started work on Dreamweb, he stayed up all night gorging himself on a movie triple bill featuring Blade Runner, Akira and the King of New York while, at the same time, reading a copy of William Gibson's Neuromancer.

Ultimately, the graphics high-spot of the adventure occurs when Ryan has to assassinate one of the seven evil beings who run the Dreamweb. This is a bloody gore-fest that makes Reservoir Dogs look like an episode of Andy Pandy. I won't tell you specifically about any of the deaths because that would totally spoil your enjoyment of the game, but I guarantee you haven't seen anything quite like it in a computer game before.

85%

FLASHBACK

I have been wracking my brains and I can't even recall one game that is remotely like Creative Reality's Dreamweb. Valhalla by Vulcan Software uses a similar overhead perspective, but apart from that there is literally no comparison.

This can only mean that Empire's adventure is, wait for it, an original game. Yes, in these times where platformers, beat-'em-ups, and shoot-'em-ups are becoming alarmingly similar, I can do nothing but stand up and cheer for development teams such as Creative Reality who have such strong and original ideas.



Once you leave a location, you are presented with this screen and all you have to do is decide where to go next using the mouse

SOUND

As you might have expected, Dreamweb has a soundtrack that fits the overall mood of the game. The dark, moody atmospheric music compliments the industrial locations while you wander around and explore.

Although not especially spectacular, the music is just about perfect for this type of game. If more companies took more notice of the various soundtracks within computer games, then I for one would be a happier person.

The sound effects also provide a lot of atmosphere to the proceedings. The clanking of doors and various other noises are nice and clear and to be honest, on the sound side of things, there isn't a lot I can moan about. Dark, melodic and moody, a soundtrack just how I like it.

80%

ADDITIONAL INFO

Open up your Dreamweb box and inside you'll find a book entitled "Diary of a Mad Man" This belongs to Ryan and contains important information which you'll need during the game, and Empire recommend you read it before you start to play Dreamweb.

Over the course of the hand-written diary, the words become scrawled and illegible as Ryan's dreams (nightmares) get worse. Here is a brief extract from the book where Ryan's condition starts to worsen.

"Friday April 6th. Stayed awake. Haven't read library books. Eden rang. Told her to leave it for a few days. No murders. Must sleep. Something's happening to the electricity. Death knocked on my door, but I wouldn't let him in. I'm no fool...

"Saturday April 7th. Slept till mid-day. Dreams getting worse. Coming nearer. No reports on the dealer. Went to St Septimus – didn't go in. Eden didn't call. The lights are turning on and off on their own. I prayed to Angel before I went to bed. She sang me to sleep with an Ave Maria. Deliver us from evil. On, off. On, off.

"Sunday April 8th. Dreams still bad. Not sure I woke up. I watched the lightswitch for two hours. It didn't say a word. Spiders everywhere. The Deliverer killed a woman today.

"Monday April 9th. The clock keeps going round. It won't tell me the time. Santa Claus gave a gun to me. Let loose the puppies of war. I died last night.

"Tuesday April 10th. Today was not a good day."

This diary is a perfect insight into the mind of the character you're controlling and it's far better reading this than watching some superb ray-traced introduction animation (even though Dreamweb does have an intro sequence of it's own).

The writing is brilliant and just by the feel of it you can tell that Dreamweb would make a brilliant film or book if it was ever turned into one.



One of your first tasks is to get to Sparky's bar which is your current place of work. Talk to Sparky to get some important information on your future job prospects

Publisher: Empire
Developer: Creative Reality
Disks: 4
Price: £34.99
Genre: RPG/Adventure
Hard Disk Install: Yes
Control System: Mouse
Supports: A500/600, A1200/AGA
Recommended: 1000 upwards



In the future, crime is still rife, but the criminals are now pinching trainers (probably worth more than gold now anyway) by using lasers





The network plays an important role in Ryan's life. You can gain loads of important information such as news and weather reports



The sex scene and it's your solemn duty to blow a rock star away. Close your eyes and think of every middle-aged, second-rate pop star that's ever released a record





Take too long assassinating someone and you must suffer the consequences. The consequence being death



As Ryan is confronted by two strange individuals, things start to get even weirder

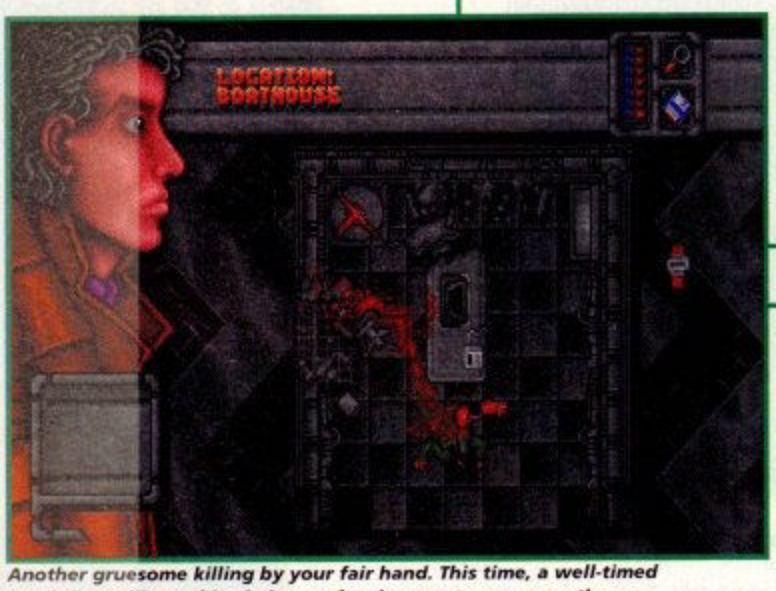
ADDITIONAL INFO

The development team behind Dreamweb consist of just two people. Neil Dodwell is responsible for coding the adventures of Ryan while his partner Dave Dew brings the character to life using his skills at producing top quality graphics.

Creative Reality was formed around four years ago and the duo have completed 15 projects between them. The last Amiga product you'll find their names on was the brilliant slash-'em-up Myth for System 3.

Dreamweb has in itself taken just over four years to complete, but Neil and Dave are hoping to create more games using the same adventure engine. Hopefully, Dreamweb will sell by the truck-load because I am already lusting after a sequel.





Another gruesome killing by your fair hand. This time, a well-timed head-shot will put this victim out for the count...permanently



Whenever Ryan kills one of the seven evil beings, he consumes their soul and is then sent into the mysterious Dreamweb

OPINION 90%

Imagine an interactive version of Blade Runner directed by Quentin Tarrantino and you might just come close to what it's like to sit, watch and play Dreamweb. This title oozes class out of every digital pore and it almost seems too good to be true.

I may have used far too many superlatives in this review, but I simply can't help myself. Dreamweb is my game and I can't stop playing it. I knew it was good when I first saw it over a year ago, but since then it has just got better and better.

Dreamweb is what I imagined all computer games should and could be like. I never wanted cutesy platformers, I wanted something out of this world and I'm happy to say I've found it.

The graphics, considering the size, are outstanding and the soundtrack throbs along complimenting the action, but where Dreamweb rules the roost is in the gameplay stakes. The fact that you don't follow a pre-determined path and that you create your character's own destiny has to be a strong reason why it performs so well.

Even the inventory system works like a dream. Clicking on, looking at and using the various objects is so easy that you can concentrate a lot more on playing the actual adventure.

There are no limitations to Dreamweb. You can do what you want, when you want and you don't suffer any consequences. Obviously there is a certain path you must follow, but how you get on that path is entirely up to your adventuring/gaming skills

I know that cynics among you will look at the screenshots, see the tiny playing screen and dismiss it, but I warn you, ignore this game at your peril. Dreamweb literally roars across your monitor screen and growls at you like a vicious beast from the pits of hell.



Software Expressions



Introducing some of the best public domain & shareware disks available for the Amiga today. Go on...express yourself!

All disks are compatible for A500/A500+/A600/A1200, except (N) which indicates not compatible for 1200

UTILITIES

U001 ....A-Gene (1 meg) ....Trace your ancestors
U033 ....Education 1 ....Learn German
U016 ....Bicrhythms (1 meg) ....Chart your feelings
U052 ....Business Card Maker ....Simple, but useful
U098 ....Database Master ....Comprehensive AMOS database
U112 ....Slide Show Creator ....Create your own slideshow
U130 ....Label Designer ....Various label printers
U134 ....Ami Cash ....Best accounts package around
U136 ....Amibase Prof ....Excellent database
U137 ....600 Business Letters ....Pre-written script for business correspondence
U140 ....Text Engine ....Excellent word processor
U142 ....Super Fonts ....Lots of Super Fonts
U147 ....MOBED ....Moveable object editor
U151 ....Imploder V4.0 ....Compacting program
U152 ....PC Task ....Emulates IBM + PC programs
U153 ....File-a-fax ....As it sounds
U154 ....QED ....Beginners word processor
U160 ....Deluxe Paint Tutor ....Enhance your knowledge of this
U162 ....The Bible (4 dks) (N) ....The King James Version
U164 ....World Databank ....Creates maps of the world
U165 ....A-graph ....Creates bar graphs
U175 ....Text plus VERSION 4 ....Excellent word processor
U178 ....(2 Discs) Analitic ALC ....(2 Discs) Best spreadsheet available
U179 ....Calorie BaSe ....Work out your own calorie intake
U180 ....GCSE Maths ....Syllabus taught disk
U185 ....Astronomy ....Calculates positions of planets
U190 ....Shadow demo maker ....Create your own demo
U192 ....J R Comm ....A simplified modem package
U194 ....Total concepts ....Learn about dinosaurs
U195 ....Home Manager ....Address book/filofax
U204 ....Race Rator (N) ....For horse racing information
U206 ....ABC Adventure Creator (N) ....Create your own adventure games
U210 ....Pools Pools Version 2 ....Work out your winnings
U211 ....Training Log ....Keeping fit
U212 ....Back Talk ....Advise on Commonback Complaints
U217 ....Mastie Niblick ....Golf score recorder
U230 ....Illinois Labels ....Label Printer
U231 ....Audio Animation Studio ....Create Cartoons
U232 ....Cheque Book Account ....Keep tabs on your expenditure
U233 ....Engineers Kit ....Check your Amiga System
U236 ....Word Power ....Solve crosswords & anagrams
U237 ....Stock Analyst ....Analyses the share market
U238 ....Font Farm ....Variations of fonts available
U239 ....Dunks DTP ....Desktop Publishing for Kids
U240 ....Little Office ....Word Processor, Database & Spreadsheet
U241 ....Winemaker ....Database for wine enthusiasts
U242 ....Budgets 1.34 ....Accounts Manager
U243 ....D-Solve ....Crossword-complete with two crosswords
U244 ....Colour The Alphabet ....Educational spelling game
U244 ....Lockpic V2.0 ....Uncover copy facilities
U245 ....Relo Kick V1.4 ....Latest D Grader for A1200
U251 ....Procad Electroid ....Circuit design drawing program
U252 ....Dividends Winner ....Work out winning lines
U253 ....Assassins ....Graphic utilities compilation. Enhance your Amiga
U255 ....Odds on ....Demo version for gambling
U256 ....Print studio ....Multi purpose printer utility
U257 ....Power Copiers (N) ....Eight of the best PD copiers around
U258 ....Garden designer ....Create your own garden excellent graphics
U259 ....A Z Spell ....Spellchecker for word processing
U261 ....X Beat ....Drum sampling & Drum machine
U262 ....Essential Virus Killers ....Kills all the latest viruses
U263 ....Soccer League ....Database for statistics on soccer teams

DEMOS

D058 ....Enterprise leaving dock ....Famous animation
D075 ....Girls of sport ....Pretty shots of talented girls
D148 ....The Run (1 meg) ....T. Richter's car-chase animation. Good
D166 ....Star Trek Animations ....Anims. of USS Enterprise
D177 ....Star Trek Animations ....Agatron no.17 More like above. Good
D280 ....Jesus on 'E's' (2 disks) (N) ....Excellent rave music
D282 ....How to skin a cat ....Amusing demo
D287 ....Calendar Girls ....Slideshow
D312 ....Rave Vision ....Rave music & Graphics
D313 ....Techno Warrior ....More of the same

MUSIC

M084 ....Pink Floyd ....The Wall remix
M102 ....No Limits (2 Disks) ....Quality music compilation
M104 ....Cybernex ....Excellent music compilation
M151 ....Motiv-8 ....More catchy tunes
U244 ....Sound Tracker Samples (4 Disks) ....100's of sounds for sampling
U249 ....Sound Effects ....Different samples for music making
U062 ....House Samples ....Drums & Synthesisers etc.

GAMES

G005 ....All New Star Trek (2 drives, 2 disks) ....USS Enterprise classic. Best one
G007 ....American Star Trek (2 disks) (N) ....Jim Barbers graphic adventure
G010 ....Breakout ....Classic bat & ball game
G011 ....Blizzard ....Horizontal shoot-'em-up. High quality
G014 ....Adventure Solutions (2 disks) ....Loads of hints of commercial games
G019 ....Dungeon Delver (2 disks) ....Difficult adventure quest
G021 ....Demolition Mission (1 meg) ....Similar to Balloonacy, good fun
G023 ....Electronic Train Set (1 meg) ....Construct own train set
G043 ....Learn and Play 1 ....Good for the kids. Blackboard maths. etc.
G044 ....Learn & Play 2 ....More fun for the kids
G053 ....Mayhem ....Brilliant shoot-'em-up
G065 ....Pixie Kingdom (2 disks) ....Tricky adventure game. Good
G071 ....Return to Earth (1 meg) ....Space adventure
G079 ....Treasure Hunt ....Great Kids game
G086 ....Wraithed One ....Good general knowledge quiz
G102 ....Simulation 1 (1 meg) ....Recommended. 5 games including Metro
G109 ....Wheel of Fortune ....TV Quiz, computerized
G124 ....Napoleonic Warfare ....High-quality simulation
G143 ....Card Shop ....Well presented card games
G153 ....Growth ....Destroy an expanding brain
G157 ....Quadrix ....Difficult puzzle game
G162 ....Storyland 2 (N) ....Create a childrens adventure
G170 ....Amos Criket ....'Owzat!
G171 ....Top Secret ....Quality platform game
G175 ....Whizz Wall ....NEW Wizard shooting game
G176 ....White Knight ....NEW Excellent shoot'em up game
G180 ....Tank Attack (N) ....World War 2 Simulation
G197 ....All Rounder (N) ....Cricket simulation game
G207 ....Flagcatcher ....Find the flags. Very addictive
G208 ....Grand Prix Simulator ....Excellent
G209 ....Games Galore Ten (N) ....14 excellent games
G214 ....Parachute Joust ....Try & catch a parachute
G215 ....Battlements ....Hunchback game
G217 ....Act of War ....Excellent strategy game
G218 ....Roulette ....Casino Classic
G219 ....Space Rescue ....Guide Spaceship through Terrain
G220 ....Sub Attack (N) ....Also landmine + bomber
G221 ....Revenge of the mutant camel ....Shooting game
G222 ....Neighbours adventure ....(2 discs) Bring Paul Robinson to court
G223 ....Wizard Wars ....Graphics Adventure
G224 ....Stratigic Games ....3 excellent games
G225 ....Addams Family Quiz ....Quiz on cult TV programme
G226 ....Dual ....2 player shooting game
G243 ....Tetren ....Excellent Tetris clone
G244 ....Legend Of Lothian ....Version 1.02. Adventure
G245 ....Iron Clads (2 disks) ....Graphic adventure
G247 ....Quiz Master ....Quiz which includes Editor
G250 ....Atlantis ....Excellent Adventure Games
G252 ....Bombjacky ....Rescue the dying planet
G255 ....Amos Games ....5 Games including Glassback
G256 ....Slamball ....Management game of US football.Type Sport
G257 ....Relayer ....Shareware game. Brand New!
G299 ....Top Of The League ....Addictive football management game
G300 ....Blob ....Shoot 'em up
G301 ....Sector 1 ....Excellent game
G302 ....Micro Market ....Stock exchange game
G303 ....Strike Ball ....Amos written baseball type game
G306 ....The Funhouse ....3 games including Enigma
G307 ....18th Hole (2 disks) ....Excellent golfing game
G308 ....Gush ....Very similar to pipeline
G310 ....Zalycon (2 disks) ....Space shoot'em up
G312 ....Rasta Bike ....Backgammon & Dungeon flipper
G316 ....Blood Runner, Monaco ....Patience card game
G319 ....Mega Race And Wacky Rabbit ....Compilation
G324 ....Psycho Santa ....Waggle your joystick with this festive disk
G325 ....Mister Men Olympics (2 disks) ....Excellent game for disks as reviewed in Amiga Computing
G326 ....Wibble World Giddy ....Really good platform game
G327 ....Tetris Pro ....Tetris game with exceptional variants
G328 ....Calculus Combat ....V. Good missile command type game
G330 ....Friday 13th ....Pretty Gruesome Platform Game
G331 ....Jigsaw (2 disks) ....Puzzle Game
G332 ....Dithell in Space ....Cutesy little space demo game
G334 ....Crazy Sue 2 ....Popular platform game
G335 ....Wotitsname (N) ....Children's spelling quiz
G336 ....Fortress ....Excellent demo game
G337 ....Super League Manager 2 ....Updated soccer management game
G338 ....Project Buzz Bar ....Excellent asteroid type game
G340 ....Depth Charge ....Submarine game
G341 ....Earth Invader ....The best space invader game

A1200 ONLY

U235 ....Sleepless Nights ....Compilation of A1200 utilities
D285 ....Fairlight ....29 meg of graphics on one disk
D286 ....No point of sale ....Stinning French demo
D288 ....Revelations ....Photo realistic slideshow
D289 ....State Of Art ....Famous quality demo
D290 ....Raving Mad Me ....High quality music video
D291 ....Lethal Exit ....Stunning demo
D294 ....AGA Swimsuits (5 disks) ....IFF 256 colour pictures use with DPaint etc
D300 ....Technotrack II ....More rave music
D301 ....Retina ....Excellent Vector film demo
D305 ....Utopia ....A1200 slideshow
D310 ....Nigel Mansell ....AGA slide show
G321 ....AGA Klondike (3 disks) ....Excellent patience card game
G322 ....Giger Tetris ....Tetris clone
G323 ....U Chess ....Brilliant chess game
G339 ....AGA Megaball ....Brilliant breakout game

Blank disks
5 for £2.75
or 10 for £4.99

POSTAGE
UK orders : 75p
Europe : £1.50
World : £3.00

PRICES
PD....£1.00 per disk
90p each for 15 to 24
85p each for 25 or more

NEW RELEASES PACK
State your Amiga model and we will send you five of the latest releases. All for £5

CATALOGUE DISKS
75p each
Details of over 2000 disks in our library updated regularly

Send cheque/postal order made payable to :

SOFTWARE EXPRESSIONS
Unit 4, 117 Kennington Avenue, Bishopston,
Bristol BS7 9EX
9am-5pm Mon to Fri

Access VISA

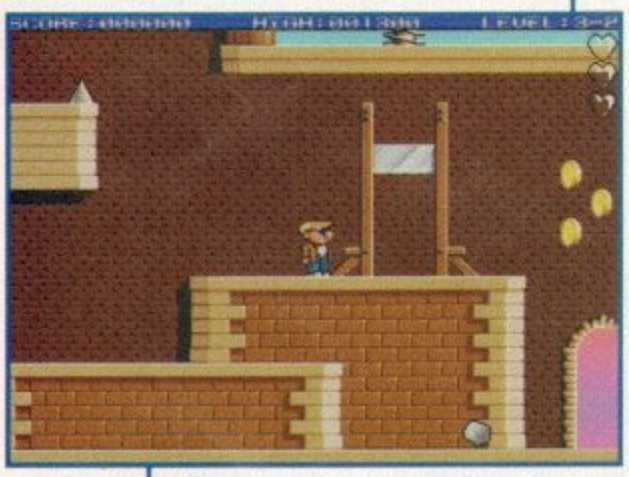
KICK 1.4
DOWNGRADE YOUR A1200 AND/OR A600 TO WORKBENCH 1.4 YOU CAN NOW RUN ALL OUR SOFTWARE



Man Bites Snail. Be nice to the cute ones else you'll receive a 'nasty' rating



Collect the coins for extra points



Charlie is for the chop unless he negotiates this part carefully

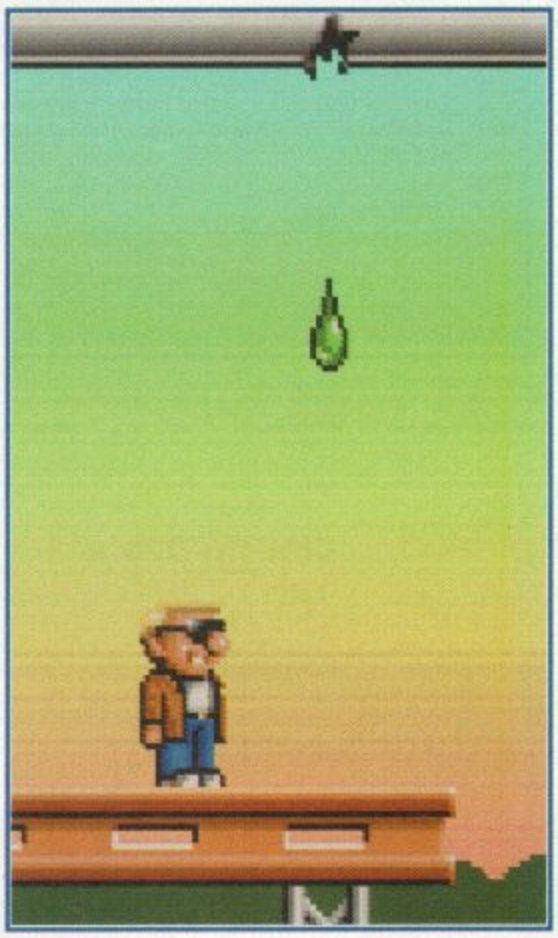


Killing the cuddly critters will result in you being sent to Pandemonium and you wouldn't want that to happen!

Rasputin Software, renowned for their successful flight sim, Jetstrike, are venturing into the platformer market with Charlie J Cool. However, the games scene is crammed with platformers to say the least, so what's going to make this release different from countless others?

Well, they actually describe it as a 'jump 'n' run' game, but the premise is still pretty much the same – travel through the levels, negotiate platforms and kill lots of baddies. You play the part of Charlie J Cool, the sprite with attitude, who must decide his fate by completing a quest.

INTRODUCTION



The toxic snot substance is as lethal as it looks, so time your moves well

> Better to reign in hell, than serue in heauen
>
> *Milton, Paradise Lost*

STORYLINE

Slightly strange this one but here goes: Charlie just happens to be walking along the street when he gets stuck in some super glue and a Piano falls on his head (it might happen!) He then sees his own body lying on the pavement and his soul is promptly whisked off to a Netherworld.

Because he's died rather unexpectedly, the records of whether he should go off to Utopia (a heaven-type state) or Pandemonium (hell) aren't complete, so he must go off on a journey to see whether he leans more towards good or bad.

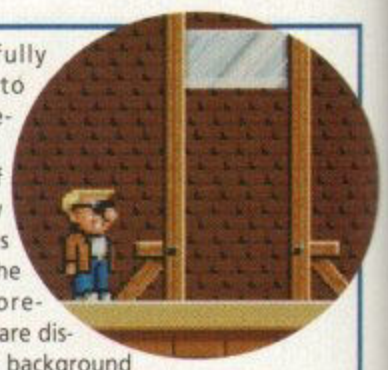
He must travel to a place called Midway, and through all seven lands to complete the journey. Only two forces exist here, that of good and evil, and by the person's actions it is decided which they are. So if you kill lots of fluffy bunnies you're obviously evil, but if you kill the nasties you are good. Straightforward enough, I suppose!

Charlie

GRAPHICS

The different worlds have been rather nicely based around themes. On his mission he travels around the Seven Lands of Midway and each land is created in an imaginative way to provide variety.

Although the cutesy sprites have been well drawn they are more likely to appeal to a younger audience, but they do look good and fit in with the feel of the game. The main character of Charlie has been nicely animated, for example, if you leave him standing he will tap his foot or start reading his newspaper. The levels look attractive and have been carefully thought out to ensure the gameplay works nicely.



Examples of these are how well the obstacles are set out and the fact that the foreground platforms are distinguishable from background detail.

Graphically it does rate highly and a lot of attention to detail has been paid.

60%

ADDITIONAL INFO

The storyline in Charlie J Cool revolves around the idea of there being a concept of heaven and hell, and your actions in life determine which state you spend your eternal life in.

The word Pandemonium as used in this game refers to the hell-like state that Charlie would go to if his actions were bad. The actual word, meaning confusion and uproar, or a scene of this, was used in Milton's Paradise Lost to mean a place of Demons. The word comes from the Greek PAN + Daimon (Demon).



A lot of the platforms are placed in such a way to make it quite taxing

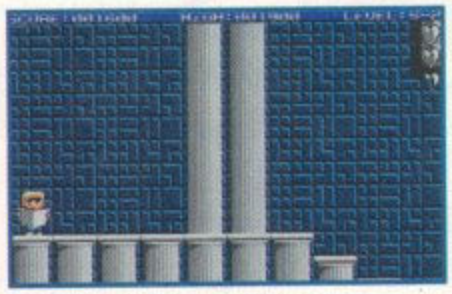
Publisher: Rasputin Software
Developer: In-house
Disks: 2
Price: £19.99
Genre: Platformer
Hard disk install: No
Control system: Joystick
Supports: A500/A600/A1200/A4000
Recommended: 68000 upwards

SOUND

There are plenty of different tunes in the game to keep it varied and they fit in nicely with the action. The worlds all have appropriate tunes and fortunately don't start to grate on the nerves.

The sound effects are adequate for the job they do but they aren't particularly spellbinding. There are the usual boings and bashes but nothing out of the ordinary.

40%



Charlie's so cool he'll read the paper if you keep him waiting around!

FLASHBACK

Platformers come and go these days without so much of a second glance – that is of course, unless they're really special – some aspect that makes them different from the norm. Take Ocean's Kid Chaos for instance, a brilliant example of everything a platformer should be. Great graphics, tons of playability and highly addictive.

Charlie J Cool takes the same kind of character and concept but it certainly doesn't have the same brilliant gameplay. This doesn't mean it's a bad game by any means – it's just not up to the same standard as the more exceptional platformers.

It is also a lot slower than other games. You can't just whisk your way through the levels as you can with those like Zool. You have to stop and plan your moves carefully. This means you have to negotiate your route more carefully which provides a challenge, but on the other hand it was quite fun just to whiz through a level.

Rough 'n' Tumble from Renegade was another great game because it combined a good puzzle element. Charlie J Cool is certainly playable enough and it is a big game, but somehow it doesn't have enough new features to make the grade.

With the many other platformers that are about to bombard the shops very soon, like Virgin's Aladdin, it is going to come up against some tough competition.

J Cool

Cool platform frolics courtesy of Rasputin Software. Tina Hackett dons her shades to take a look...

OPINION 56%

The game has plenty to offer both in presentation playability. It looks pretty, the levels are packed with baddies and the action is fun. However, the gameplay doesn't have enough variety and mainly consists of jumping carefully across platforms and finding the key for the exit to that level – which is more about joystick dexterity than clever thinking.

Interest is added to the game with the different objects you can find scattered around the levels. For instance, the switches which can turn platforms on or off, shields which turn him invincible, eyes which can be collected to reveal the entry point to secret rooms and question marks which may or may not help! The password system is a nice touch because the game is so big and to start from the beginning each time would be very frustrating.

The different lands he travels through also make the game more interesting. Each one has different themes and obstacles such as Forestia with the Pits Of No Return, Medieva with Rolling Rocks or Ice Lands where you must look out for frozen icicles.

For the younger gamesplayer I would definitely recommend the title. It is simple to get to grips with, looks great, sounds good and is very playable.

The way you're success in the game is shown is unusual and works well. A bar is shown and where Charlie is standing on it indicates whether he is good or bad. This will be nice for a younger player rather than looking at points all the time. The actual objective to the game is also unusual and gives more of a purpose to the proceedings. But for older players who prefer more mentally challenging games, then Charlie J Cool won't be for them.

For platform fans Charlie J Cool is a nice addition to the genre but it's up against some tough competition at the moment. Its fairly limited gameplay may let it down a bit against those contenders that have a good puzzle element to them.



Dawn

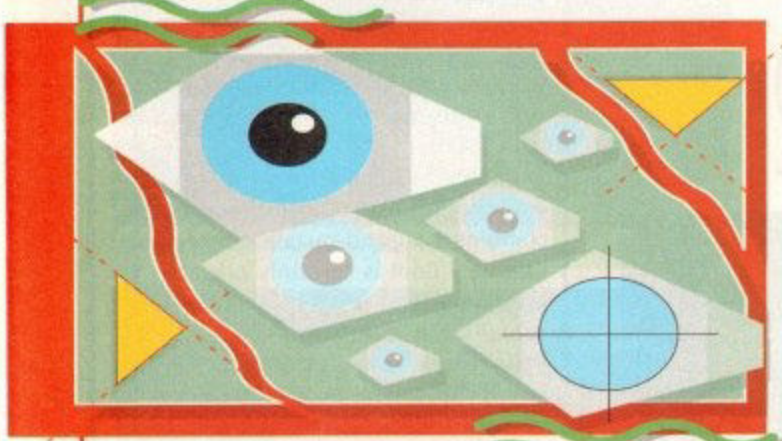


Grab your yoke and perform all those fancy flying manoeuvres you've always dreamed about in Rowan's forthcoming flight spectacular



The sky starts to fill up and the dog-fighting is about to begin. It looks like the British are about to "kick off" with the opposition

system preview



Rowan Software, in conjunction with Empire, a state of the art World War 1 flight simulation is on its way. Jonathan Maddock dons his goggles and shouts "Chocks away!"

One of the most popular genres of game over the last few years must be the wonderful world of flight simulation. Man's conquest to fly in the sky still remains an objective for many. Computer gamers can, almost, experience what it's like to zoom around in the clouds via the help of a joystick and a damn fine piece of software.

There are loads of flight simulators on the market today and some of these are veering towards the new exciting hi-tech planes, which is all well and good, but what about the pilots from World War 1 who had to rely on natural skill rather than million pound super-computer controlled aircraft.

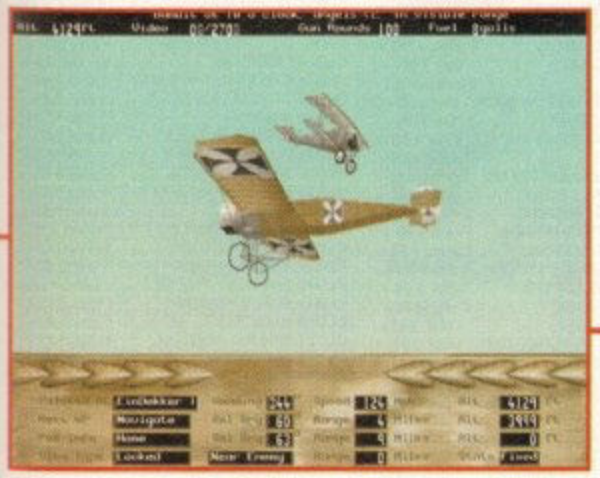
Don't get me wrong, I love to play games like F-19 Stealth Fighter as much as anybody else, but there is something about products like Knights of the Sky which appeal, to me anyway, a lot more than their more hi-tech brothers. Admittedly, Knights of the Sky has more than had its day now and good games from the WW1/WW2 era are hard to find, but I advise you to don your hat and goggles for Empire's forthcoming flight simulation.

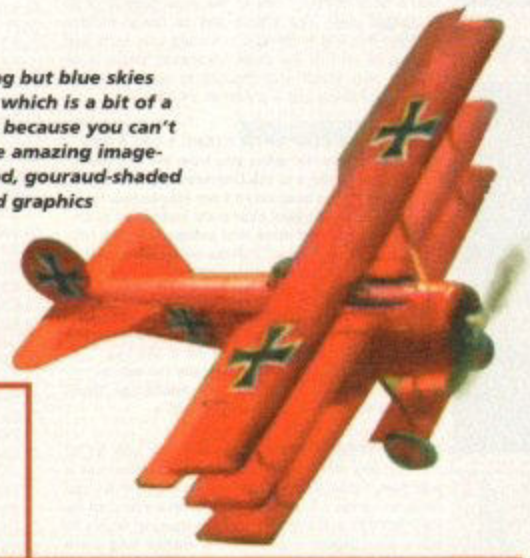
Created by Rowan Software, renowned flight sim experts responsible for such titles as Reach for the Skies and Virgin's imminent Overlord, Dawn Patrol is a state of the art World War 1 flight simulation which firmly focuses on pilot control and natural skill. Rowan Software isn't a company about to create a flight simulator where you sit in a hi-tech jet and blow up your targets from 20 miles away.

The core of the game is almost entirely based on head-to-head combat in the skies and the only weapon the pilots have is a machine gun. The game concentrates on your actual flying and game-playing skill to out dogfight your opponents in the sky rather than relying on heavy weaponry. As with most of Rowan's flight simulations, Dawn Patrol is historically accurate, right down to the smallest detail. You get the opportunity to recreate over 100 actual flight sequences and missions of the flying heroes of the era. There are 64 pilot biographies which will help you, eventually, create and customise your own characters.

Historical battle flights featuring such aces as Baron Von Richtenhofen, Immelmann, Richenbacher and many more are featured within the simulation. Pilots can choose from 15 aircraft from the

Patrol





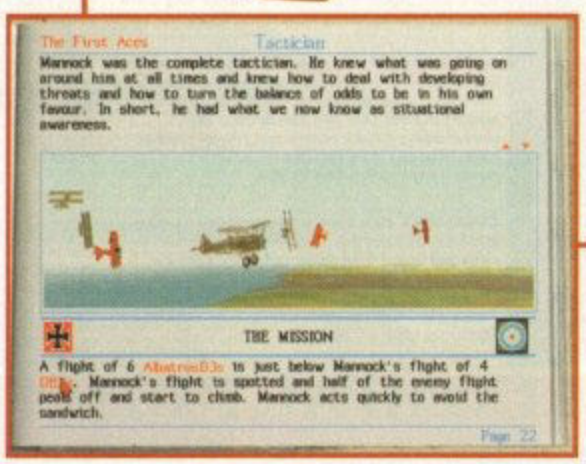
Nothing but blue skies ahead which is a bit of a shame because you can't see the amazing image-mapped, gouraud-shaded ground graphics



Hmm, I'm not too sure about the colour of those German aircraft. I'm sure that British pilot will put them out of their misery!



You can choose from 15 period aircraft including such classics as the Fokker Triplane, the Sopwith Camel or even the trusty SPAD 7



Before you hop into your plane there is a wealth of information on the mission and on the other flying aces to read at your leisure



A SPAD 7 takes a hit, and a meeting with the ground is imminent...



Err, excuse me. I can see the enemy from where I'm sitting, so exactly why are you going in the opposite direction away from the action?

period, including great aircraft such as the Sopwith Camel, the Fokker Triplane and the SPAD 7. You can even choose which side you wish to fight for – French, American, British or German, the decision is entirely down to you.

Rowan Software has used the same engine that it used for Virgin's Overlord (still yet to appear on the Amiga), but has enhanced it slightly for Dawn Patrol. All the screenshots you see on this page are from the PC version, but I've had assurances that the Amiga version is going to look really good. At least the team at Rowan Software now have access to the superior A1200 which, of course, they didn't have when they created their last Amiga game, Reach for the Skies.

COMPETENT

The PC version, graphically, looks incredible. The aircraft are built using a polygonal frame in 3D studio, which are then put into the game using Rowan's own conversion program. The image mapping is layered on top then fully light-sourced and gouraud shaded. The Amiga version can't possibly mirror the PC graphics, but expect them to look as good, if not better than the ones seen in Rowan Software's previous games.

There are some very nice graphical touches which might not amaze, at first, but go a long way to making Dawn Patrol a far more in-depth and competent product. The effects of battle damage on the planes is one such touch that's worthy of a mention – bullets from your opponent, ripped canvas and chopped up woodwork on your aircraft, plus if you start to take too many hits, bits of the fuselage and wing section start to peel away from the plane.

The inside lock view is a new viewing angle which first featured in the PC version of Overlord, and has been included in Dawn Patrol. This highly useful viewpoint adds a further element of realism to computer dog-fighting. Basically, when you turn the view on it locks itself to a targeted plane. What this all means is that the view moves around the cockpit.

This enables you to know which direction to climb, dive or roll in to get your enemy opponent in your sights, just as a real pilot would've been able to do. This 360° view is strange at first and it takes time to get completely used to it, but you'll find that it makes things a lot easier in the long run.

If you've ever fancied pitting your wits against a bunch of famous World War 1 flying aces with only your natural skill to save you from an untimely death, then I guess you'd better start saving up for Dawn Patrol.

Having seen the PC version in full hot-blooded action at the recent European Computer Trade Show, I am extremely impressed at the sheer quality and in-depth detail of the product. Empire and Rowan Software have joined together to create, what is potentially, the Amiga flight simulation of the year.



United Public D

The innovators

Look out for the CLR logo!

Most CLR titles ok on A1200!

.. The Central Licenseware Register ..

Commercial Quality programs at a PD price!

Most CLR titles ok on A1200!



CLE01 TOTAL CONCEPTS DINOSAURS Have your children ever wanted to know about the ancient world of the dinosaur? If so then this is for you - an interactive encyclopedia covering Jurassic, Triassic & Cretaceous periods complete with pictures and information. This program is plus compatible & comes on two disks only £4.95 + (PC version available!)



CLE03 TOTAL CONCEPTS SOLAR SYSTEM Now our most popular title ! This one invites you to learn all about the solar system, with information on all of the planets & systems with pictures supplied by Nasa. this is a superb educational package for children & adults. This title is so big it is supplied on Three disks and is priced at only £5.95. + (PC version available)



CLE05 A-CHORD So you want become the next Eric Clapton then this is just what you need ! This program will teach you nearly every single guitar chord including fingering techiniques, it will even play the chords using the amigas built in sound chip. A must for every single guitar player beginner and experts alike. Price £3.95 +

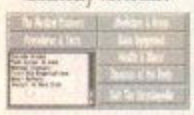


CLE15 FAST FRET By Keith Klatworthy, this program is a guitar scales tutor, the very thing for the budding lead guitarist! Will play the scales through the Amigas sound chip with ajustment of speed for every level of skill required! There are many exercises in many scales so you too can become the next rock legend! Supplied on one disk priced £3.95. +



CLE035 TOTAL CONCEPTS SOLAR SYSTEM 2 In this sequel to our most popular title, Chris Hill brings you the very latest on the Solar System! All the very latest planetary missions are covered & if you thought the images in TC! Solar System were good wait until you see these 40+ images! This is a must if you have TC! Solar System. 3 disks only £5.95.+

CLE049 TOTAL CONCEPTS DINOSAURS 3 Is the latest TC! to join this exellent series & uses a new layout giving you a dino image & info buttons onevery page! It includes the new superstar of the dino world Velociraptor. If you are at all interested in Dinosaurs this is a must to complete your Dinosaur library!! Over 30 images supplied on 3 disks only £5.95.+



CLE41 BASICALLY MEDICINE A title written by members of the St John's Ambulance brigade, this is a superb title covering Diseases,treatment, Medicine & Drugs, Health & Illness, Basic equipment needed & the medical pioneers who helped create modern Medicine! A really useful title. Comes on two disks £4.95. +



CLE051 PAINT PASTE & DRAW This is a stunning drawing/colouring book, containing lots of background pictures, brushes to paste on, plus editor to design your own , you can even add your own artwork to the picture. A superbly presented program, this one is a must for young children! 1 disk £3.95.+



CLE54 TITANIC Yes, a book covering one of the most famous of all passenger ships The Titanic and its fateful maiden voyage. This title is literally crammed with facts and figures on one of the most fascinating ships of all time, a ship which was thought to be unsinkable! Comes on 2 disks and is priced at £4.95. +



CLE58 TOTAL CONCEPTS! STARS & GALAXIES **In this TC! Chris Hill takes you from the confines of the Solar System to the Universe beyond. Just about everything is covered from star births to Black Holes & Quasars.over sixty images of such quality that you will think that some are Ham8 This program is a must! 3 disks only £5.95.+**



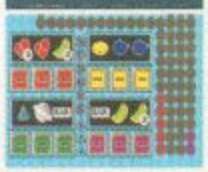
CLE59 A TOUR THROUGH TIME **This is an exellent introduction to all the ages of the earth! Starting with the big bang, you progress through time , the beginning of life in the sea through the fishes, reptiles & finally the age of birds & mammals & man upto the space age. Book your trip NOW! 3 disks only £5.95.+**



CLU03 TYPING TUTOR A program here now for all you budding office clerks, learning to type can be a real pain, lessons cost a fortune, but not when you have an amiga ! This program will take you step by step through a full typing course, showing where to place your fingers and lots more. Before long you'll be able to type as fast as I can ! Price £3.95 +



CLU032 POWERTEXT 2 This is a superb & powerful wordprocessing program, featuring embedded commands, automatic saving, Mail merging, built in spelling checker, user definable function keys, wordwrapping & much much more! You will probably never need any more than this ! Needs 1 mg of ram. 1 disk £3.95.+



CLG40 TRAX Now this is a very good fruit machine simulator. However this one is slightly different! The plot is not to go for the money but to complete the TRAX feature. The money you win just gives you more goes to complete the task! A very addictive version of a classic game! Comes on 1 disk £ 3.95+

MORE CLR EDUCATIONAL!

CLE02 T C GEOLOGY	2 disks 4.95 +
CLE07 T C FRESHWATERFISHING	2 disk 4.95 +
CLE08 NIGHT SKY	1 disk 3.95. +
CLE09 WORDS & LADDERS	1 disk 3.95.+
CLE10 BASICALLY AMIGA	3 disks 5.95. +
CLE11 LET'S LEARN	1 disk 3.95. +
CLE12 ALPHABET TEACH	1 disk 3.95+
CLE13 HOME BREW	1 disk 3.95. +
CLE14 T C ECOLOGY	3 disks 5.95. +
CLE16 KINGS & QUEENS	2 disks 4.95.+
CLE17 THINGAMAJIG	1 disk 3.95. +
CLE18 WORK & PLAY	1 disk 3.95. +
CLE19 PLAY IT SAFE	1 disk 3.95. +
CLE20 BIG TOP FUN	1 disk 3.95. +
CLE21 JIGMANIA	1 disk 3.95! +
CLE22 CHESS TEACHER	1 disk 3.95. +
CLE23 MIND YOUR LANGUAGE	1 disk 3.95. +
CLE24 SPEED READING	2 disks 4.95. +
CLE25 CHORD COACH	1 disk 3.95. +
CLE27 C.A.T.T.	2 disks 4.95!+
CLE29 PREHISTORIC FUN PACK	1 disk 3.95+
CLE30 PEG A PICTURE	1 disk 3.95 +
CLE31UNDERSTANDING AMOS	2 disks 4.95. +
CLE32 SPITFIRE!	2 disks 4.95.+
CLE33 MESSERSCHMITTBF109	2 disks 4.95.+
CLE34 YOUR FIRST PONY	2 disks 4.95.+
CLE36 THE TIME MACHINE	2 disks 4.95.+
CLE37 DISCOVERY AMERICA	1 disk 3.95.+
CLE38 HOME INVENTIONS	2 disks 4.95.+
CLE39 MY LITTLE ARTIST 1mg	2 disks 4.95.+
CLE40 BOREALIS JUNIOR	1 disk 3.95.+
CLE42 COMPOSITION	1 disk 3.95+
CLE44 PORTRAITURE	1 disk 3.95+
CLE46 BASIC HUMAN ANATOMY	1disk 3.95.+
CLE47 SEA SENSE	1 disk 3.95. +
CLE48 ROCKET MATHS	1 disk 3.95+
CLE50 DRATV2.4 needs1.5mg	2 disks4.95+
CLE52 TELL THE TIME	1 disk 3.95+
CLE53 LET'S LEARN 2	1 disk 3.95+
CLE55 BASICALLY BASIC	1 disk 3.95.
CLE56 BASICALLY CHEMISTRY	1 disk 3.95+
CLE57 PAINT ME A STORY	2 disks 4.95+
CLE61 SOUND & ANIM STATION	2 disks 4.95+
CLE62 BASIC MASSAGE	3 disks 5.95+
CLE63 TUTANKHAMUN	2 disks 4.95+
CLE64 IQ TESTER	1 disk 3.95+

MORE CLR UTILITIES

CLU01 VIDEO TITLER	1 disk 3.95+
CLU04 ALPHAGRAPH	1 disk 3.95. +
CLU06 SUPERSOUND V4.7	1 disk 3.95.
CLU10 POWER ACCOUNTS	1 disk 3.95.+
CLU11 CALCV1	1 disk 3.95.+
CLU12 VIRTUAL WINDOWS	1 disk 3.95.+
CLU13 DATOS	1 disk 3.95. +
CLU14 STOCK CONTROLLER	1 disk 3.95. +
CLU15 EPOCH VI	1 disk 3.95+
CLU17 LC10 FONTS	1 disk 3.95.+
CLU18 LC200 FONTS	1 disk 3.95. +
CLU19 LC24 FONTS	1 disk 3.95 +
CLU20 CANON BJ10.	1disk 3.95+
CLU21 INVOICE MASTER	1 disk 3.95. +
CLU22 HARD DRIVE MENU	1 disk 3.95.+
CLU27 IMAGE BASE	1 disk 3.95.+
CLU29 G.F.X.	1 disk 3.95+
CLU30 DRAW SELECTOR V2	1 disk 3.95+
CLU31 FLOWCHARTER	1 disk 3.95+
CLU33 AM TUITION	1disk 3.95+
CLU34 IMAGE DOCTOR V1	1 disk 3.95.+
CLU35 CRITERION	1 disk3.95+
CLU36 ILINOIS PROFESSIONAL	2 disks4.95+
CLU37 FIND IT	1 disk 3.95+
CLU38 SMALL ACC MANAGER	1 disk 3.95+
CLU39 HARD DRIVE MENU 2	1 disk 3.95+
CLU40 ARCO	1 disk 3.95+
CLU41 REFLECTIONS	2 disks 4.95+

MORE CLR GAMES

CLG05 TRUCKIN ON	2 disks 4.95.+
CLG08 DRAGON TILES	1 disk 3.95.+
CLG12 BULLDOZER BOB	1 disk 3.95+
CLG13 PARADOX	1 disk 3.95.+
CLG15 SPLODGE THE ESCAPE	1 disk 3.95+
CLG16 CRYSTAL MAZE	1 disk 3.95.+
CLG17 IMBRIUM	1 disk 3.95+
CLG20 JUNGLE BUNGLE	1 disk 3.95. +
CLG21 FLOWER POWER	1 disk 3.95+
CLG25 WHITE RABBITS	1 disk 3.95.+
CLG26 MONSTER ISLAND	1 disk 3.95.+
CLG35 OG	1 disk 3.95.+
CLG45 KNIGHT FIGHT 2	2 disks 4.95+
CLG46 ARCHIPELAGOS	1 disk 3.95+
CLG47 KIDS FUN PACK	1 disk 3.95+
CLG48 THE LOST PRINCE	2 disks 4.95+
CLG49 SPACE POWER	1 disk 3.95+
CLG50 HAIRPIN 2	1 disk 3.95+
CLG51 TEN PIN BOWLING	1 disk 3.95+
CLG52 ADVENTURE CREATOR	1 disk 3.95+
CLG53 WALL STREET	2 disks 4.95+
CLG54 NATIONAL HUNT	1 disk 3.95+
CLG55 CRYSTAL QUEST	1 disk 3.95+
CLG56 SENTINAL	1 disk 3.95+
CLG57 DREAMSTREAM	1 disk 3.95+
CLG58 GIGERPHOBIA	1 disk 3.95+
CLG59FOOTBALLCLUBMANAGER	1 disk 3.95

COMPTECH PRO COMMERCIAL CLIPA

This is a brand new range of clipart designed exclusivly for UK These images are of very high quality and detail and are priced 3.50 per disk! All images are in IFF format & may be imported most packages! ok 500,600 + 1200. PC versions available

CT001 TRIASSIC DINOSAURS CLIPART	only 3.50+
CT002 JURASSIC DINOSAURS CLIPART 1	only 3.50+
CT003 JURASSIC DINOSAURS CLIPART 2	only 3.50+
CT004 CRETACEOUS DINOSAURS CLIPART 1	only 3.50+
CT005 CRETACEOUS DINOSAURS CLIPART 2	only 3.50+
CT006 DRAGONS 1 mythical Dragons!	only 3.50+
CT007 DRAGONS 2 More super dragons!	only 3.50+
CT008 DRAGONS 3 Some more super Dragons	only 3.50+
CT009 DRAGONS 4 And yet more dragons!	only 3.50+



NEW TITLES!!!

PG372 KNIGHTS Wander deep in the medievil dungeons+Y
PG373 SCOTTISH FOOTBALL MANAGER Good! +Y
PG374 AUTOMOBILES Overhead view car game +Y
PG375 BUCKTOOTH BOB This is a crazy platform game+Y
PG376 THE SWORD OF YIGG adventure game! +Y
PG377 OVERLANDER Nice shoot up game! +Y
PG378 FIGHTER DUEL PRO 2 Flight sim 2mg Y
PG379/80 GEORGE GLAXO Good platform game (2) +
PB052 ASI OFFICE HELPER Show STD.Home budget, etc +Y
PB053 ASI OFFICE HELPER II Phonedir,Quicktile, loan etc! +
PM244/5 METALLICA RIDE THE LIGHTNING Octamoded!
PM246 MATRIX CUT EP 4 housey type songs. good!+
PM247 MATRIX KAOS EP 4 breakbeat style songs!+Y
PM248/9 ROCKILY Some nice music! (2) +Y
PM250 MOVE ON Huge Octamed module needs 1mg chip! +
PU536 MAGIC WORKBENCH EXTRAS more super icons!+Y
PU537 FLICK 1.2 Play PC FLI animations on the Amiga! Y
PU538 WB3 LIBRARIES & DATATYPES Useful disk! Y
PU539 VIC 20 EMULATOR For nostalgia fans only! +Y
PU540 AMIGA E GUIDE Useful to programmers. +Y
PU541 ASI MULTIVISION 5 Fast gwp,PPshow 4 & more! +Y
PU542 ASI MULTIPRINT 3 E print, mixer print & more +Y
PU543 ASI MULTIPRINT 4 Epoch master print manager etc+Y
PU544 AREXX USERS REFERENCE MANUAL useful disk +
PD259/60 QED 2 By Talent New AGA great effects(2)1200 only
PD261 ETERNITY A nice AGA intro 1200 only.
PD262/3 SMALL IS BEAUTIFUL collection of intros!(2)1200only
PS172 MECHANIX SLIDE AGA 8 superb Jpeg pics 1200 only
PS173/5 AWSOME JPEGS 8-10 Stunning (3) 1200 only
PT113 SPEECH & INSTRUMENTS 75 samples on this disk! +
PT114 VARIOUS SPEECH 27 different samples! +Y
PT115 RADIO JINGLES 14 great jingles! +Y
PT116 SONG SPEECH SAMPLES 1 lots of samples!+Y
PT117 SONG SPEECH SAMPLES 2 And more samples! +Y
PT118 BEAT LOOPS Some interesting loops! +Y
PT119 INSTRUMENT SAMPLES Lots of varied samples! +Y
PT120 INSTRUMENT SAMPLES Lots more samples! +Y
PT121 AC/DC & DEEP PURPLE MODS 2 huge rock mods!+Y
PT122 SOUNDMACHINE Play & convert WAV & VOC to IFF
PT123 MIDI PACKET MASTER Super midi software! +Y
PT124 AUDIOMAGIC 7 Quadracomp 2.3, Multiripper etc +Y
PT125 AUDIOMAGIC 8 FM Synth 3.2,Delux music player etc+
PT126 AUDIOMAGIC 9 Prowizard v2, Mastermidi etc+Y
PT127 AUDIOMAGIC 10 Sampex 1.2,Sound effect etc+Y
PT128 SONIC DRUM KIT Good little drum machine! +Y

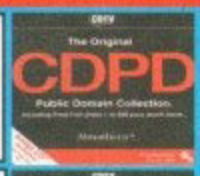
NEW ASSASSINS CD!!

This is the Ultimate games CD to own, well over 7 ready to run games on Amiga CD32, the only one where ALL the games will work and will let you kn whether you need a mouse or keyboard for each game before you run it! Shoot em ups, platform games, puzzles, cards, adventures & much much more,(many games not on the Assassins game disks) perfect for all the family, makes an ideal Xm present, also works on CDTV and Amiga CD roms As well as all this the famous Assassins games collection disks from 1-200 are DMSed (archived the CD as well! Its worth having a CD32 just to pa all these classics! only £19.99 plus 50p p

(IMMINENT SEPTEMBER STOCK, PLEASE PHONE)

AMIGA CD ROM COMPACT DISCS!

CDPD 1 Fred Fish disks 1-660, hundreds of music modules & players with which to play them, & much much more! £19.95 plus 50p p&p.
PS Only a few left!
CDPD 2 This CD contains Fred Fishdisks 661-760, Scope library from 1-220 & more! £19.95 plus 50p p&p
CDPD 3 This CD contains Fred Fish 761-890, classical literature etc £19.95 plus 50p p&p





WEIRD SCIENCE MULTIMEDIA TOOLKIT CD ROM!
This is a superb CD Rom, filled to the brim with over 10,000 files,500 24bit jpeg images & 500 Ham8 & Ham interlace versions,Hundreds of megabytes of clipart, (iff black & white,colour and scaleable), hundreds of iff fonts, Compugraphic fonts & coloured fonts, icons, music modules, music samples and lots more! Works on CDTV, CD32, Amiga CD Rom & is also PC compatible on a suitable PC CD Rom only £19.95

DEMO COLLECTION Over 600 megabytes of software inc demos in an archived format, lots of iff samples for youur music utilities, lots of runnable PD games, iff clipart, fonts, animations , 1000 modules to play on your music tracker, commercial demoes of games & utilities & much much more! £19.95 plus 50p p&p.

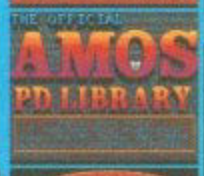




NEW WEIRD SCIENCE NETWORK CD ROM!
Superb networking CD to enable file transfer & other functions. The CD32/CDTV is prevented from rebooting on removal of this CD thereby enabling access to any CD.It contains Parnet,Sernet,Ncomm ,Term ,Frod Fish 800-975,Tbag 1-74,Photo CD software ,the latest Amos disks (over 120),500 256 colour images, image converters & much more! Works with joypad & has 16 colour WB on WB 2 & 3 systems! With this CD you can access all the others on this page. Only £14.99 + 50p p&p.

DEMO COLLECTION II Over 100 ready to run PD games either from CDTV or CD32 lots of ready to run animations, loads of music modules & music samples, Jpeg pictures, HAM8, 256 colour & HAM slideshows ,loads of Amiga demos & a whole lot more! £19.95 plus 50p p&p.





NEW CD ROMS IN STOCK NOW!!

THE OFFICIAL AMOS CD
Crammed with over 33.000 files, contains all the Official Amos library ,over 1600 amos source codes, sprite banks, Ctext banks, 800 samples,music & much much more! Over 600 disks worth of software only £19.99! & 50p p&p
AMINET 3 1.1 gigabytes of software in over 3300 archives! Applications, games,business, network utilities & much more, most in lha format! An ESSENTIAL purchase! only £19.95
CDPD 4 Latest,contains Fish 890-1000,Gnu compiler,imagine objects, loads of fonts & much more! only £19.95
SOUNDS TERRIFIC An awesome CD for the musician & Music enthusiast, this is a double CD containing thousands of IFF samples,music modules,loads of Sonix scores,midifiles,lots of music programs such as Soundtrackers,sample editors, midi programs & a whole lot more, also features hundreds of PC Wav. & Voc. samples & a conversion program to convert them to IFF! Yes 1.2 Gigabytes of music software! only £19.95
FONTS CD 600 megabytes of Fonts? Contains thousands of Compugraphic fonts ,Adobe type, bitmapped, colour fonts, cut & paste in fact more than you will ever need for Pro page,Pagestream,Wordworth Final Writer Dpaint etc. Best value font CD ever at an amazing £9.99.
CLIPART CD Yes, hundreds of megabytes of clipart for all occasions, thousands of black & white hi-res IFF images of every possible subject. colour clipart, colour brush clipart,Encapsulated postcript clipart & more! Fabulous value only £9.99

THE EUROSCENE CD Too new to review fully, but is packed with latest demos & other software from Europe & elsewhere. There are 600mb of Amiga demos & music on this disk. See the best talent on hundreds of European demos drawn directly from the FUNET internet archive.Many party winners & some never seen before! All are archived and designed for BBS, Amiga CD ROM (including A570) and Unix!
A bargain at only £14.99 plus 50p p&p..





THE VIDEO CREATOR
Exellent new CD from Almathera, this one enables you to use images, animations and special effects & time them with your music CDs. It is also the first product to utilise the FMV cartridge for the CD32 so you can superimpose images over your existing video CDs! Complete with hundreds of images, pro effects & colour cycling changes, & random generated video effects! Super value only £34.95 plus 50p p&p





CD32 serial cable with keyboard passthru only 19.99 essential for the Network CD to work with a computer!

ORDERING MADE EASY

BY POST: send your Name, Address & Order details with a Cheque / PO / IMO to any of the companies listed
BY PHONE: Call us with your card number, expiry date and details for a 1st class service. All major cards accepted
PD PRICES: For this summer, disks are only **99p** per disk, any quantity (minimum order of 2 disks!)
POST & PACKING: UK - 50p • UK 'Recorded Delivery' £1.25 • Europe +25p per disk • Rest of World +50p per disk
REMEMBER: We stock Fish 1-1000, Tbag 1-74, Amos, Scope, Snag, Amicus, Amigos & lots more superb PD disks!!

PLEASE NOTE:
All disks on the advert should work on the Amiga 1.2/1.3 dos systems unless otherwise stated! All disks with a "+" sign should work on the Amiga 500+ & 600 machines! However there are so many different setups now in use it is becoming impossible to test for every possible variation, so please use some caution especially with A1500/2000 with various dos systems, CDTV and of course the new Amiga 1200 & 4000 systems. Disks marked with a "Y" should be okay on the A1200 / 4000 though obviously not yet extensively tested. Please take care!

main Distributors

not the imitators !

P S D

CLASSIC CLIPART

(Black & White) (Okay on A1200 / A4000.)
The clipart in this collection is very high quality, huge images, many greater than an Amiga hires screen, for use in Dpaint or DTP packages, each disk autoboots to a slideshow allowing you to view the entire bitmap by moving the mouse! (Prices per disk!)

ART00 WEDDINGS Super wedding clipart, 2 disks!+
ART02 HOUSES 2 disks, pictures of mansions etc!+
ART03 RELIGIOUS 3 disks full of holy clipart!+
ART04 WWII AIRCRAFT World war II planes!+
ART05 MEN 2 disks full of men at work!+
ART06 WOMEN 2 disks full of women clips!+
ART07 KIDS 2 disks containing kids clipart!+
ART08 BUSINESS Disk full of office clipart!+
ART09 OFFICE Another office type disk!+
ART10 STUDENTS Lots of student type pics!+
ART11 SALETIME Many useful logos etc!+
ART12 XMAS 3 disks of Xmas related pics!+
ART13 PUNCH 3 disks of cartoon pics! +
ART14 ANIMALS Fantastic quality pictures!+
ART15 CATS Only 12 pics but super quality!+
ART16 SILHOUETTES 18 super silhouettes!+
ART17 SCHOOLS 2 disks of school pictures!+
ART18 BABIES Clipart on a baby theme!+
ART19 SPORT 2 disks full of sport pictures!+
ART20 OLYMPIC Another sport type disk!+
ART21 MEDICAL 2 disks full of medical clipart!+
ART22 SEALIFE Pictures from the Ocean!+
ART23 DECORATIVE MONTHS 1 for every month+
ART24 WACKY Funny comic type clipart!+
ART25 HOLIDAYS Holiday type pictures!+
ART26 BANNERS 2 disks full of banners!+
ART27 ART NOUVEAU FLOWERS Floral art!+
ART28 BUTTERFLIES Nice pictures!+
ART29 FOOD 2 disks on a food/kitchen theme!+
ART30 COLOURING BOOK Colour in Dpaint!+
ART31 BORDERS 2 disks, must load into DTP!+
ART32 MAC CLIP 2 disks high quality macart!+
ART33 BORNBACK Nice scenic clipart!+
ART34 TEDDY BEARS 2 disks of Teddy bears!+
ART35 VANITY FARE 2 disks fashion clipart!+
ART36 SPARKLE LOGOS CLIPART Wierd clipart!+
ART37 SHOWTIME Dancing, singing etc!+
ART38 VEGGIES Vegetarian clipart!+
ART39 FLORAL 14 very detailed pictures!+
ART40 MYTHS Mythical images + zodiac!+
ART41 DOG WOODCUTS Super 300dpi pics!+
ART42 CAT WOODCUTS Great wildcat pics!+
ART43 AFRICAN WOODCUTS African animals!+
ART44 AMERICAN WOODCUTS More animals!+
ART45 ARTIC WOODCUTS Northern animals!+
ART46 FARM WOODCUTS Farm animals!+
ART47 MIXED ANIMAL WOODCUTS Nice pics!+
ART48 BIRDS WOODCUTS 18th century bird pics+
ART49 MORE ANIMALS More superb pictures!+
ART50 ANIMAL LINEART Varied selection of pics
ART51 BOTANICAL ART detailed plant pics!+
ART52 FAMILY SCENES 2 disks of domestic life!+
ART53 GOLF HUMOUR 2 amusing cartoon disks!+
ART54 SPACE & TRANSPORT On a space theme!+
ART55 SOFTSCENE2 29 rural scenery pictures!+
ART56 SPORTS3 More pics on a sports theme!+
ART57 NAVY Lots of naval type pictures!+
ART58 TRAVEL 2 disks on a travel theme!+
ART59 ALPHABET Borders & alphabet clips!+(2)
ART60 ACCENTS & FLASHES Burst stars+ more+
ART61 FISH Lots of aquatic pictures! +Y
ART62 SOFTSCENE 3 More nice scenery pictures! +Y
ART63 RESTAURANT 3 disks of Restaurant pictures!3/Y
ART64 MORE HOLIDAYS Festive holiday pictures! +Y
ART65 ANIM & BIRD 44 nice pictures! +Y
ART66 MOSSBURN ANIMALS 32 nice animal pictures! +Y
ART67 BURCHFIELD KIDS Some nice kids clipart! +Y
ART68 BEAST & MYTH 3 disks of Monsters,demons etc!(3)+Y
ART69 TRANSPORT 3 disks of Cars,Airplanes Ships etc(3)+Y
ART70 TRUCKS & TRAINS Full of Wagons trains etc! +Y
ART71 ASTROLOGY 2 disks of astrological signs! +Y
ART72 AIRCRAFT 3 disks full of aircraft pictures!(3) +Y
ART73 BIRDS Songbirds, Birds of Prey & more! +Y
ART74 DOGS Disks full of good dog pictures! +Y









NEW! UPD GOLD LICENCEWARE! MAD FIGHTER 1200!



Superb new 3 disk fighting game for the 1200 only! This will keep you busy for ages as you try to defeat one opponent after another. Huge sprites and fast gameplay make this an essential 1200 game!
A UPD Licenseware product only 5.99+50p p&p.



AMOS PD

APD036 AMOS UPATER LATEST VERSION v1.36 + Y
APD182/3 PIXIE KINGDOM Good exploration game (2) +
APD237 SHAPES Excellent kids game !+Y
APD257 CASSETTE LABELLER + MIXED SOURCE+Y
APD271 WIZARDS DOMAIN graphical adventure+Y
APD341 TOTALLY AMOS Good read for programmers!+Y
APD347 NOTEBOOK & SHOPPING LIST Easy to use !+ Y
APD373 COMPILER TEST Test speed of your compiler !+Y
APD431 KARATE WORM II Nice little game! +Y
APD435 DRIVER TEST Test speed of your reactions!+Y
APD442 SLIDESHOW CONSTRUCTION SET V2! +Y
APD451 NOODY,S PLAYTIME Educational demo! +Y
APD452 RAMOS PRO For Amos Professional! +Y
APD458 TOP OF THE LEAGUE Football manager!+Y
APD466 AMOS PRO UPDATER V1.12 Just in!!! +Y
APD541 SUPER BATTLE ZONE A good version! +Y
APD579 ALPHABET Simple alphabet teacher! +Y
APD590 FAMILY HISTORY DATABASEV2.2 Latest! +Y

COLOURED CLIPART

This is a superb collection of coloured clipart, mostly in Ham mode (4096 colours), though some is in 16 colours. Can be loaded into Deluxe Paint 4 or any other package accepting Ham pictures!
(OK on 500, 500+, 600, 1200 & 4000!)

CCL001/10 MAPS, Afganistan-Zambezi, autoboots(10) + Y
CCL011 REPTILES, good pictures, autoboots! +Y
CCL012/3 ACTORS, famous faces, autoboots! +Y(2)
CCL015/6 AIRCRAFT & CARS assorted, autoboots! +Y
CCL018/26 BIRDS 8 disks. Super, autoboots! +Y
CCL027 CATS, 1-16 Super cat pics,autoboots! +Y
CCL028/35 DOGS, 1-128 Super dog pics,8 disks! +Y
CCL036 EXPLORERS 1-13 famous explorers,autoboots+y
CCL037/40 FISH 1-92 Super pics pictures,(4 disks)+y
CCL041/51 FLOWERS 11 disks of flowers! (11 disks)
CCL052+4 FRUIT 2 disks. Good pics! (2)autoboots! +Y
CCL055 FRONTIER 1-13 Pioneer pictures,autoboots
CCL056/7 HORSES 1-16 Great horse pics,autoboots\(2) +Y
CCL058/61 INSECTS Small creatures!(4 disks) +Y
CCL062/3 INVENTORS 2 disks full (2) +Y
CCL064/71 MAMMALS More animals pictures(8 disks)+Y
CCL072/3 INSTRUMENTS 4-25 Musical (2 disks) +Y
CCL074 MILITARY 7-17 & MUSICIANS 1-41 +Y
CCL075 MUSICIANS 9 -21 Classical! autoboots! +Y
CCL076/7 PREHISTORIC Dinosaurs(2) autoboots! +Y
CCL078/81 PEOPLE. Lots of people! (4 disks)+YY
CCL082/4 PRESIDENTS 1-40 USA presidents,3 disks +Y
CCL085/7 REPTILES 1-19 Good pics (3) autoboots! +Y
CCL088 SHIPS 10-33 Marine vessels! +Y
CCL089 SPORTSMEN. Various sportsmen,autoboots! +Y
CCL091/6 TREES. 6 disks of tree pictures! autoboots! +Y
CCL097/100 VEGETABLES 1-48 goodpics4disks,w6+Y

COLOUR BRUSH CLIPART

Saved as brushes so they can be pulled easily into Dpaint!

CB001 Lots of brushes on an art & schoolwork theme. +Y
CB002 Lots of brushes of stones food,garden home & more! +Y
CB003 Lots of brushes on a sporting theme (142 brushes) +Y
CB004 Lots of brushes on a food & confectionary theme! +Y
CB005 Lots of brushes, 155 pics on a financial theme. +Y
CB006 Lots of brushes of cute cartoon characters! +Y

FONTS (Bitmapped & assignable)

PU048 DYNAMITE FONTS II CutNPaste fontscreens Y
PU049 DYNAMITE FONTS More CutNPaste Fonts Y
PU058 FONTS AND RAM MANAGER BIG video fonts+
PU059 FONTS & SURFACES Backdrops & fonts+ Y
PU169 GELIGNITE FONTS CutNPaste fonts!+
PU175 GELIGNITE FONTS II Excellent IFF fonts+Y
PU176 GELIGNITE FONTS III More of above!+
PU185/8 COSMOPOLITAN FONTS (4) Packed with fonts+Y
PU201 MALICE FONTS Exellent tiny fonts for Dpaint!+Y
PU226/7 C-EYES FONTS Great fonts in Dpaint, WB, etc.(2)+Y
PU278 GELIGNITE FONTS IV Yes more !!! fonts!
PU331/43 COLOUR FONTS(ASSIGNABLE)Dpaint etc(13) +Y
PU356 FONTFARM Contains 55 large & Small fonts! +Y
PU390 FONT FARM 2 Lots more good fonts! +Y
PU391 FONT FARM 3 Another disk crammed with fonts+Y
PU451/2 HARLEQUIN FONTS Hires fonts & textures!(2)+Y
PU463 BLUE ROSE FONTS 1 Superb cut & paste fonts. +Y
PU464 BLUE ROSE FONTS 2 great cut & paste fonts! +Y
PU465 BLUE ROSE FONTS 3 with a Christmas theme! +Y
PU523/4 BIG FONTS Full of good cut & paste fonts!(4)+Y
PU525/6 CINNAMON FONTS 2 disks full of coloured fonts+Y
PU527/31 FONT FARM 5-8 Loads more good fonts! (5)+Y

PROFESSIONAL FONTS

These fonts are for Professional page & Pagestream use only!

PU231/5 PAGESTREAM FONTS 5 disks full, super fonts!+ (5)Y
PU236/7 SCOPE!97/8 Adobe type fonts, 2 disks full! +Y
PU257-61 PAGESTREAM FONTS 2nd set of good fonts.(5)+Y
PU264/8 OUTLINE FONTS For Pro pages3 or 4(5) ONLY!!+Y
PU319/23 OUTLINE FONTS For Pro page 2.1 or 3!(5)+Y
PU403/7 OUTLINE FONTS For Pro pages3 or 4 only!(5) +Y
PU408/12 MORE OUTLINE FONTS (As above) (5) +Y
PU413/7 MORE OUTLINE FONTS (AS above) (5) +Y

OCCULT,ASTRONOMY+PREDICTION

PU015 BIORYTHMS, STARCHART 2 Good programs+ Y
PU174 ASTRO 22 professional astrology now V3.5! +Y
PU211 AMIGA PUNT A horse race predicting program!+Y
PU212 PERM CHECK PLUS a pools prediction prog Y
PU213 RACE RATER Another horse racing program!! +Y
PU238 M.O.R.C.V2 runs caster,new 1 disk version!+Y
PU354 ASTRONOMY v2 calculate info on solar system! +Y
PU362 STARVIEW Gives view of star for given time etc!+Y
PU363 FORCASTER Horse racing prediction program! +Y
PU364 COURSE FORM Simple horse racing prediction!+Y
PU375 POOLS TOOLS2 3 pools related programs!+Y
PU377 MING SHU Simple astrological program! +Y
PU454/5 THE HUMAN AURA interesting book! (2) +Y
PU456 THE MYSTERIES OF RUNES all the signs. +Y
PU473/4 STRANGE Abductions,UFOs corn circles etc (2) +Y
PU482 DIVIDEND WINNER Pools prediction prog +Y
PU485 WITCHES COOKBOOK Turn mum into a newt! +Y
PU486 THEORY & PRACTICE OF MAGIC Fun only!! +Y
PU487/8 PARANORMAL INVESTIGATIONS Weird! (2) +Y
PU497 RUNEMASTER Become familiar with the runes. +Y
PU506 I CHING Learn all about the Oracle! +Y

SLIDESHOWS

PS120 KEITH RHODES SLIDE 3 fantasy pics!1200 only Y
PS125 REVELATIONS SLIDE staggering quality art!+Y
PS139/40 SHED TEARS Nice Fantasy pictures 1200 ONLY
PS148/54 AWSOME JPEGS ray traced jpeg 24 bit images(7)
PS157 COMINCIRCLES Sleb full of mysterious comircles! +Y
PS160 STAR TREK DESIGN FILE layouts of Trek ships etc+Y
PS162 T2 SLIDE Handrawn pics of The Terminator!+Y
PS163/4 NIGHTBREED AGA VOL 4 super pics! (2) AGA ONLY
PS165/7 WORLDS BEYOND sci-fi on 3 disks/3)AGA ONLY Y
PS168/9 SEVEN SEAS Quality fantasy art. A MUST have!(2) +Y
PS171 KEITH RHODES SLIDE 2 superb fantasy! 1200 only Y

GAMES

PG021 ATIC ATAC Really playable game! + Y
PG023 BATTLEFORCE strategy war game!
PG026 CASTLE OF DOOM Excellent! Get it + Y
PG028 COLOSSUS & WORLD Fab adventures !+ Y
PG032 DRAGONS CAVE D&D style game Mega+ Y
PG046 HACK Great text adventure-infocom style! +Y
PG048 HOLY GRAIL One of the best Text adventures+ Y
PG062 MENTAL IMAGE 1 Gridrunner invaders & rebound+
PG063 MORIA Classic adventure now version 5.4! +Y
PG068 NO MANS LAND Hi tech war game-shoot em up. +
PG071 POM POM GUNNER Like beach-head on the 64+Y
PG079 SEALANCE A submarine strategy game +Y
PG101 THE INSIDERS CLUB Stocks & shares game
PG121 A500+ GAMES PACK 21 games to run on a plus+Y
PG124 TOTAL WAR This is a good risk type game! +
PG153 WAR very good strategy/arcade game+Y
PG174 AMOS CRICKET Shareware cricket game,1 or 2plr+
PG178 MENTAL IMAGE 2 Three Excellent new games +Y
PG183 CATACOMBS great D&D style game. VG,GFX +Y
PG191 ACT OF WAR New space strategy game! +Y
PG202/3 IRON CLADS Good strategic war game!2)Y
PG218/9 CLASH OF THE EMPIRES Super strategy!+ Y
PG255 KINGDOM AT WAR Nice strategy war game!+Y
PG258 AGA TETRIS 1200 tetris game & more! Y
PG260/1 18TH HOLE A nice golf game! (2) +Y
PG262 AGA CHESS Needs 4mg of ram to play! AGA ONLY.
PG301/2 MOTOROLA 025 INVADERS For 1200 ONLY!(2)
PG303 MAD FIGHTER Fab PD version !!200 ONLY.
PG305/7 KLONDIKE II AGA Exellent,3 disks 1200 ONLY.
PG313 ROAD TO HELL Super driving race game!+Y
PG319 PROFESSIONAL BINGO Great , with speech+Y
PG325 MEGABALL 3 AGA The BEST version!(1200 Only)
PG329/30 STARBASE 13 Graphic space adventure(2) +Y
PG333 ICERUNNER Icebrunner type platform!+ (Not 1200)
PG340 EARTH INVADER Nice space invaders clone! +Y
PG341 MUCUS Platform puzzle & a slideshow! +Y
PG342 DEPTHCHARGE Depth charge the enemy subs!+Y
PG345 SICKBALL II Freaky ping pong game +Y
PG346 KISS THE CANNAS Control 2 huge boxer figures+Y
PG348 PARADROID Superb version for your Amiga!+Y
PG352 WAYNES WORLD PONG with samples 1mg+Y
PG353 YAHCTCY Great version of the game. +Y
PG354 TO THE DEATH Fantastic beat em up demo(2mg)Y
PG355 MEGABLOCK 2 Very nice Tetris game. +Y
PG357® ANT WARS nice lemmings game(1mg chip)+Y
PG359 ALIEN FRENZY Nice shoot up maze game +Y
PG360 RAISE THE TITANIC A nice 3d game! +Y
PG361 A DAY AT THE RACES Horseracing manager? +Y
PG362 INTREPID GAME Strategy game! +
PG363 SPITFIRE ASSAULT Shoot down the planes! +Y
PG364 GREEN 5 Commercial quality shareware game!+Y
PG365 DIGITAL ACID A vertical scroll shoot up! +Y
PG366 SENSIBLE MASSACRE Shoot the footballers! +
PG367 RELICS OF DELDRONEYE Preview of adventure!+Y
PG368 THE SHEPHERD Great shareware Populus style+Y
PG369 KNIGHTWOODE A nice graphic adventure! +Y
PG370 FOYBOX KILLER TOMATOES & BOMBCLEAR! +Y
PG371 TEMPORAL MISPLACEMENT Adventure game.+Y

EDUCATION

PE0015 EDUCATION SET science programs for age 11+ +Y
PE0078 LEARN & PLAY Maths, spelling etc. 5-10 yrs +Y
PE010 TOTAL CONCEPTS ASTROMOMY Book on disk.+Y
PE011 TOTAL CONCEPTS DINOSAURS Book on a disk+Y
PE013 SIMON & SPACE MATHS Talking maths program
PE014 SPANISH, FRENCH, GERMAN TUTOR+ Not 600!
PE019 DUNKS DTP A sort of DeskTopPublisher for kids +Y
PE026 WW II FACTS Good historical program!+ Y
PE027 AMCA BEGINNER Learn to use your machine+ Y
PE028 MATHS ADVENTURE Solve questions to progress+Y
PE030/2 DESKTOP GUIDE TO ELECTRONIC MUSIC!(3 +Y
PE034 WORLD GEOGRAPHY Quite useful disk! +Y
PE035 KIDS DISK! Super to learn reading! +Y
PE040 HOW THE EARTH BEGAN The full story! +Y
PE041 SINGALONG NURSERY RHYMES Good fun! +Y
PE042 CHILDRENS FAVOURITES More nursery fun! +Y
PE045 TOTAL CONCEPTS DINOS 3 PREVIEW Super +Y
PE047 ASI BACK TO SKOOL1 Style Count & Words +Y
PE048 ASI BACK TO SKOOL2 Simon Cat maths train etc+Y
PE049 BACK TO SKOOL3 Treasure search,Reflex etc+Y
PE050 THE LITTLE TRAVELLER Learn about countries+Y
PE052 COMMUNICATE Superb sign language teacher! +Y
PE053 HWAY CODE QUESTIONS & ANSWERS Useful +Y
PE055 JUNIOR MATHS Suitable for young children+Y
PE058 WORD FACTORY Learn to spell! +Y
PE062 ANIMAL LAND Super early learning!+Y
PE063 DINOWARP A nice quiz on Dinosaurs! +Y
PE066 THE STATES OF EUROPE Super book on a disk+Y
PE067/8 DISCOVERY OF THE ATOM science book(2) +Y
PE071 FRENCH VERB TESTER Test your French! +Y
PE072 CALCULUS MATHS Mental arithmetic tester! +Y
PE073/4 KIDS DISK 3 A comic book for kids(2) +Y
PE075/6 TUTANKHAMUN Educational slideshow(2) +Y
PE077 GCSE MATHS A very useful program! +Y
PE078 A - Z Paint Nice program for the kids. +Y
PE080 ILLUSIONS Follow up to Artists. +Y
PE081 VISIT TO MARS Educational slideshow! +Y

BUSINESS

PB001 AMCASH bank management program+Y
PB004 ASI LABEL PRINTER3 3 of the best+Y
PB005 BANKIN control your cheque book! +Y
PB006 BUSINESS CARD MAKER Nice program+
PB007 CLERK Complete accounts package+Y
PB008 DESKTOP PUBLISHER Simple to use +Y
PB009 FLEXYBASE simple database! +Y
PB011 MISC.BUSINESS Geotime, Grocery list, Calc
PB013 QED Simple & effective text ed+Y
PB014 RIM DATABASE Fully relational !!+Y
PB015 TEXTPLUS V3.00 The BEST Wordprocessor +Y
PB017 VISICALC SPREADSHEET Simple to use+Y
PB019 BUSINESS LETTERS contracts, letters + more+Y
PB020 TEXT ENGINE 4.1 THE LATEST Version !!! +Y
PB022 BBASE IIIv1.3 Latest version of super database+Y
PB023 FORMS REALLY UNLIMITED form creation prog+Y
PB024 LAST WILL & TESTAMENTS Just in case !+
PB026 AGRAPH Superb Program graphing data +Y
PB029 ADDRESS PRINT Good label printing program! +Y
PB030 THE MONEY PROGRAM Home accounting! +Y
PB034 ILLINOIS LABELS Super label program!+Y
PB035 BUDGET V1.34 manage personal finances!+
PB036 CHECKBOOK ACCOUNTANT V2.01 superb! +Y
PB037 AMBASE PRO II Latest version of database! +Y
PB038 BUDGBASE V1.2 Very nice easy to use database+Y
PB040 PAY SLIPS V4 Latest version! +Y
PB041 AMIGAWORD A useful geographical database!+Y
PB042 EABYCALC PLUS+ Improved, only dos 2 or over!+Y
PB043 ACCOUNT MASTER Home finance program. +Y
PB044 EDWORD PRO V4 Superb new version! +Y
PB045 FH SPREAD A nice spreadsheet program! +Y
PB046 PERSONAL DIARY Keep track of your life.+Y
PB047 ON FORM V1.1 Excellent invoice/order program+Y
PB049 CHEQUE MATE Check writing made easy! +Y
PB050 FILOFAX Address book & Calender programs! +Y
PB051 KBE REMINDER Personal organiser/calender +Y

AMIGA MUSIC DISKS!

PM015 AMEGA PARTY WINNERS Four WICKED songs+ Y
PM016 BEATLES SOINX Nice music +Y
PM112 TECHOMANIA II 8 essential hardcore tunes+
PM122/4 PLAYSID 2 (3) You must get this !!!! +Y
PM125 PLAYSID inc.RobHubbard, ManiacsOfNoise + Y
PM155 VINE G-RAVE 5 more good rave tracks!!! +Y
PM167/8 JESUS ON ES Crazy rave music demo! +(2)
PM179 PLAYSID V2.2 More old 64 style music!(not1.3) +Y
PM200 DATA-X TRILOGY 3 raved up pieces! +Y
PM201 DATA-X THE VICTIM 6 more music tracks! +Y
PM203 BIO MECHANOID SYMPHONY NO 1 (1200only)
PM217 LEGALIZE IT 1 Great Amiga music disk! +Y
PM222 NEOPLASIA PHOBIA 5 fab music tracks+Y
PM223 ROB BAXTER'S METROLINK from Rob Baxter +Y
PM226 DATA X RENDITIONS More good rave music! +Y
PM227 DATA X EDGE OF DARKNESS 5 Jungle-core ! +Y
PM228 DATA X XMAS CRACKER Hardcore Carols?? +Y
PM229 WORM FOG Punk Heavy guitar music! +Y
PM230 MELODICALLY CORRECT Pleasant modules! +Y
PM231 RAVELENTH 3 well done rave tracks +Y
PM232 MBC POING REMIX 10 Remixes of Rotterdam +Y
PM233 MBC RAY COKE SAMPLES disk of MTV team! +Y
PM234 MBC WIND IT UP Prodigy remix disk! +Y
PM235 MUSICALLY CHALLENGED tracked music. +Y
PM236 COLD FUNKY KILLER MK2 3 15 mins of techno!+Y
PM237 2UNLEMMINGTED : SINGLES flashy graphics! +Y
PM238 2UNLEMMINGTED : ALBUM Similar to above +Y
PM239 MOTIV 8 Five ravey tracks from the Beatmaster! +Y
PM240 SOUND COLLECTION 2 Some nice modules. +Y
PM241/2 TROOPER MODS 10 or so Octamed modules!(2)

ANIMATIONS

PA039 ERIC-S AMY VS WALKER Cute & sexy! 1.5M Y
PA040 ERIC-S BATMAN vs JOKER Very funny!!+Y
PA042 ERIC-S COYOTE STRIKES BACK 1mg too! +
PA043 ERIC-S MORE AEROTOONS Very witty !!+ Y
PA045 ERIC-S STEALTHY II Mig-29 vs Stealthy !+Y
PA053/4 LIGHT CYCLES (2) Tron animation+
PA065/68 REAL 3D (4) Superb of the program+
PA072 THE JUGGLER A classic amiga demo!+ Y
PA074 THE WALKER vs The Helicopter - Mega !+ Y
PA075 THE WALKER vs A2000 A classic ! + Y
PA086 FRACTAL ANIMATION Full screen fly anim+Y
PA091/3 GAS TURBINE, STEAM & PETROL ENGINE (3)+Y
PA094 AMY JOGS,WALKS & SNEEZES by E Schwartz! +Y
PA095 HOW TO RUN INTO A WALL by Eric Schwartz! +Y
PA101 DOLPHIN DREAMS Great Dolphin anim! + Y
PA103/4 KINGFISHER 2 Superb bird animations!+ Y
PA118 3 SCHWARTZ Skydive,Soft landing & bomber! +Y
PA119 STROM ANIMATION V2.0 Now with sound! +Y
PA120 TWO STROKE PETROL ENGINE Super anim+Y
PA141 STIRLING II ENGINE Another fab engine anim!+Y
PA143 XMAS ANIMATION Amusing animation! +Y
PA149 SPAR TREK 6 Clever CD32 advert animation+Y
PA150 RAGING HORMONE Another funny anim +Y
PA151 XWING ANIM Nice star wars animation.+Y
PA152 NATIONAL WEATHER Amusing little anim!+Y
PA154 DAFFY LOSES HIS HEAD Amusing animation! +Y
PA155 THE INCREDIBLE FLYING ZAMBINI BROTHERS!+Y
PA156 FLYING LESSONS An amusing cartoon animation! +Y
PA157 TWANGO A good Cartoonish French animation! +Y
PA158 CROWN JEWELS A queen on a galloping horse!+Y

POWER ANIMATIONS

PP001/2 AN11 LEMMINGS (2) This is brilliant! 2M
PP003 AT THE MOVIES anim of Amy aquirrel 1.5M+Y
PP004/7 AUTOMATED LIGHT (4) Battlestar galactica! 3M
PP008/10 BUZZED (3) Great anim of wasp crashing! 2M
PP011/12 DATING GAME (2) Very witty!, Get it. 3.5M!
PP016 GULF WAR Another ES production! Good 2M! Y
PP021/4 LANDING (4)Tobias Richter poweranim 4M!
PP025/27 STATION AT KHARN (3) Incredible 2M demo Y
PP036/7 WALKER DEMO (2) A 2mg version of a classic!
PP040/43 AT THE MOVIES II (4) Hilarious ! 1mg+3mg
PP044/45 AMY V WALKER II (2) witty ES demo 3M
PP046 SWEET REVENGE Coyote vsRoadrunner! 1.5mg+Y
PP050 UNSPORTING Wicked Schwartz cartoon+ 2M +Y
PP051/2 CHARLY CAT Super Dpaint animation 2mg Y
PP053/5 CHARLY CAT AT THE BEACH 2nd anim 2mg!Y
PP057/9 CHARLY CAT CATCHES A CANARY Fab! 3MG.
PP080/3 CHARLY CAT MOUSTERMIND Great! 3.5MG.
PP084 DUNCAN DUNG BEETLE Unusual anim. 2mg
PP085/6 CHARLY CAT SNOWJOKE Latest anim 2mg.+ Y
PP087/9 SPEED LIMIT 3mg motorcycle race! + Y (3)
PP070/1 LEMMINGS REVENGE amusing anim! 2mg Y
PP074/6 G.I. SPY 3mg anim from charlie cat author! (3)
PP077/84 THE HALNTED Tnemanodious animation,3mg(8)
PP090/1 ROADHOG ANIM Very funny 2mg animation(2)Y
PP099/100 AT THE FLIX Charlie cat again! (2) 2mg
PP101/4 QUALITY TIME Superb Shwartz 5mg anim (4)Y
PP108/10 CHARLY CAT IN SICKNESS & HEALTH!(3)mg!
PP111/2 BUGS'BUNNY&SPACEMEN Action 2)2mgY
PP117/8 PRANK ON FURBALL Cat has a pizza! 2mg (2)
PP119 BA'TMASKING Another fun Shwartz anim 2mg(2)Y
PP120/3 LAST STAND ON HOTH Fab anim!(4)3mg
PP131/2 ON THE GREEN Funny golf animation 3mg
PP133/5 CHARLY CAT AT XMAS Good, needs 3 mg
PP136 ATTACK ANIM Great Gulf type animation!1.5mg Y
PP137/40 HEADING FOR HOME Raytraced space (4)3mg
PP141/4 MEAN MACHINE Console battle! MEGA (4)3.5mg

DEMOS

PD058 PHENOMENA ENIGMA Absolutely brilliant! +Y
PD093 SCOOPEX CHROMIUM Superb demo +Y
PD094 SCOOPEX MENTAL HANGOVER A classic+
PD130/34 ALCATRAZ CODESSY Awesome!! Ok on 500
PD182 SPACEBALL Absolutely brill,needs 1meg chip!+Y
PD185/6 ANDROMEDA MIRROR Fab Music & Graphics
PD187 HOY AGA DEMO 1st 1200 demo,a must! 1200 O
PD188 SANITY WORLD OF COMMODORE Super dem
PD189/90 SILENTS DEMON DOWNLOAD Fab demo! (2
PD202 TECHNOLOGICAL DEATH Freaky techno rave
PD206 MELON HOW TO SKIN A CAT Nice effects! +Y
PD215 FAIRLIGHT 242 Unusual & interesting demo! +Y
PD216/7 A TRIP TO DEEP BASS A must have rave dem
PD218 VIVID ABSTRAX PIG AGA Mega colourful!200
PD221 POINT OF SALE Best AGA yet!! 1200 ONLY
PD223/4 SPACEBALLS 9 FINGERS This is MEGA!!(2)
PD235 XANADU DEMO Superb colourful AGA only dem
PD226 GROOVY by Leman,super graphics demo! +Y
PD227 IMPACT NO LEM Super kaleidoscope effects +Y
PD239 SILENTS SOZZLED SOMERSAULT Fab effects
PD253 PERSPEX HYPNOSIS dancing silhouettes AGA
PD236 AGATHA Nice effects & colours. 1200 only.
PD240 VOLCANO New AGA megademo. 1200 only
PD241 IT SMELLS LIKE CHANEL no5 Great! 1200 only
PD243 FULL MOON AGA Nice demo 1200 only
PD244 BEYOND BELIEF AGA Nice music +pics!200 o
PD245 SANITY ARTE A Superb demo for all systems+
PD246 ABSTRACT SURFACES Good demo+Y
PD247 JESUS ON CHEESE DEMO Insane!!! 1.3 only
PD248 FLYING COWS PRO SIAK Good science book!
PD249 KEFRENS INTERCHANGE Nice 1200 only
PD252/3 BIG TIME SENSUALITY A SUPERB Aga dem
PD256 EXODUS ON LAND A MUST have! 1.5mg chip
PD257 ANDROMEDA SEQUENTIAL Nice crew demo!
PD258 FATAL MORGANA Exellent with Beavis & But

CLASSICAL MUSIC

PM012 AMIGADEUS CLASSICAL Eine Kleiner etc. +
PM022/23 CLASSICAL MUSIC Bach, Handel etc +Y
PM035 DIGITAL DEBUSSY Fab R Baxter conversions
PM036 DIGITAL DEBUSSYII classic Debussy music+
PM070 RHAPSODY IN BLUE tracked by Rob Baxter!
PM082a/82b VIVALDI - FOUR SEASONS (2) V.Good
PM090/91MOZART HORNCONCERTOS need 1mg ch
PM130/2 BACH BRANDENBURG CONCERTOS 1 to
PM150 DESKTOP HARPSICHORD RECITAL Classic
PM165/6 NUTCRACKER SUITE Super rendition!+
PM174 CLASSIC WORKS Grieg & Bach classics! +Y
PM175 SONIX MUSIC Some nice scenes here!(loadab
PM183 CLASSIX GOLD Bach Toccata& Fugue (1mg c
PM184 MOZART FLUTE CONCERTOS 1mg chip! +Y
PM218 HANDELS FIREWORKS MUSIC (1mg chip) +
PM220 SONGS FROM THE GUIDE Rob Baxter 1mg

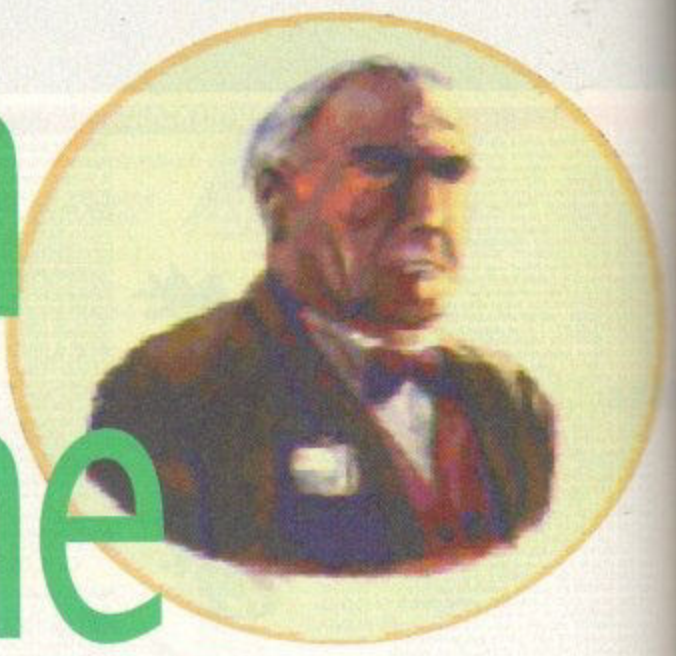
MUSIC UTILITIES

PU205 K1 IFF SAMPLES Fabulous samples +
PU011 KAWAI K1 editor for patch changes!
PU212 KAWAI K4 editor as above!
PU013 MED 3.2 Excellent music seq. + Y
PU015 MIDI DISK Various midi stuff +
PU020 ST-01 - ST-10 Samples -Ring for details
PU025/6/7/8 ST-90-93 SAMPLES Studio quality+ Y
PU031/2/3 ST-97 - 99 3 disks full !+Y
PU034/5 ST-97 & 98 More samples !+Y
PU038 YAMAHA DX100,TX81Z, DX27,DX11 & FB01
PU047 OCTAMED V5 (8 channel) MED sequencer!+
PU041 NOISEPLAYER 4.0 Multitasking module playe
PU042 START IFF SAMPLES Superb ! Get this disk!
PU043/5 HOUSE SAMPLES 3 disks full of house sam
PU046 AUDIO MAGIC3 Super trackers disk, ok on 12
PU047 AUDIO MAGIC4 More Superb music programs
PU048/52 MODULES 5 disks of large music modules
PU053/57 METAL MODULES 5 disks heavy rock/mus
PU058/62 TRACKER SAMPLES 5 disks of drum samples+
PU063/67 VOCALS 5 disks of super vocal samples!+
PU068/70 DRUMKITS 3 disks of high quality drums!+
PU071/73 KORG SAMPLES 3 disks of keyboard sou
PU074/76 PURE SAMPLES Lots of assorted samples
PU077 SAMPLE FACTORY Disk full of sound effects!
PU078 CHIPMAN SAMPLES over 70 samples here!+
PU080 XI RAVE SAMPLES Bass & Drums! +Y
PU081 SAMPLE EMPEROR V3.1 Make samples. +Y
PU082 CHIPMAN SAMPLES II More samples! +Y
PU088 X-BEAT V1.1 Exellent drum machine program
PU089 AUDIO MAGIC5 Some new tracker programs
PU090 SOUND EFFECTS Animals,Military & Vehicles
PU093 OCTAMED TUTOR Very useful for learners! +
PU095 AUDIO MAGIC 6 FM synth,Quaddra & more!
PU096/7 MT32 MIDIFILES for Roland MT32 module
PU098/109 crammed with hundreds of midifiles! (12)
PU110 ESSENTIAL SOUND FX 1 good sound effect
PU111 ESSENTIAL SOUND FX 2 Lots more great eff
PU112 SOUND EFFECTS 88 effects on this disk(not

AMIGA UTILITIES DISKS

PU002 A-GENE Good geneology program + Y
PU004a/b A64 EMULATOR NEW VERSION 3.0 (2)
PU005 AMATEUR RADIO 1 Interest to radio hams + Y
PU012 ASI GRAFFIX UTILS graphics convertors etc+Y
PU013 ASI BOOT UTILITIES bootblock utilities + Y
PU021 C-LIGHT RAY TRACER Good program+ Y
PU022 CHEMESTHETICS molecule displayer + Y
PU037 COPY The best PD disk copier & more + Y
PU065 ELECTROCAD DEMO circuit designer +
PU062 GRAPHICS UTILITIES Various misc. programs+Y
PU063 HAMLAB PRO V2.06Convert VGA PC >IFF/HAM + Y
PU064 HARDDRIVE UTILS MRBackup & FixDisk & more+Y
PU065 ICONMANIA Program icons & more !+ Y
PU066 ICONS Cramm packed with icons !+ Y
PU067 IMPLODER V4.0 Megacrunching Util+ Y
PU069 JAZZBENCH Alternative Wb for 1.2/3 users.
PU071 JR CUTE 1 (2) Excellent users comms package Y
PU073/76 KING JAMES BIBLE Old&New testaments (4)+ Y
PU078 M-CAD Hires design package. Excellent + Y
PU080 MESSY-SID 2 Read,Write PC Files, Brilliant!+ Y
PU083 MORSE PROGRAMS for the radio hams. Y
PU086/7 NORTH C 1.3 (2) Complete C compiler & libs+ Y
PU088 NORTH C 1.3 This is the papked 1 disk version!+Y
PU097 PRINT STUDIO V1.25 Prints pics & text etc + Y
PU108 ROT A simple 3D drawing package Very popular.+Y
PU109/10 (2 disk) Structured design for Pmage + Y
PU112/3 SOMETHING FOR NOTHIN Video Utils&Fonts+ Y
PU115 ST EMULATOR Run Atari ST software !! 2 Drives
PU121/2 TV GRAPHICS Dpaint backdrops&Fonts+(2) Y
PU124 ULTIMATE ICONS Iconmaster,Iconlab,+ Y
PU125 ULTRAPAINT v3 A nice paint package!
PU129/30 VIDEO APPLICAT

On the Ball League Edition



Jonathan Maddock laces up his boots and takes a look at Ascon's World Cup Edition.

INTRODUCTION

The football management simulation is now more popular than it's ever been. For proof, you need only look at your local computer store shelves and you'll find plenty of examples of the genre.

The one thing that you could possibly fault in the football management game is its lack of talent in the graphics department. I know most of these products don't often require high-class pixels to make them playable, but why isn't there a game where you've got the graphics to match the gameplay.

Somebody at Daze must have been thinking the same thoughts because their latest licence, signed from German developers, Ascon, could well become the first football management game that looks as good as it plays.

System reviewed On The Ball: World Cup Edition last issue and it managed to grab itself a fair score, but it was lacking that certain something to make it a classic. This time with the introduction of the domestic league and cup competitions, On The Ball: League Edition might just sneak a winning goal in extra-time, but then again one bad tackle and it could get its marching orders off the field of play.



Before you start your career as a manager, you must first gain some sponsorship. A mean bit of bartering is essential to your success



A shot of the stadium. On this screen you change the terraces and seating arrangements to your liking, but keep an eye on your cash flow

GRAPHICS

The actual standard of the various static screens within the simulation is unbelievably high, but where the game really scores is when you watch an actual match.

You get a wealth of animations and could be forgiven for thinking that you were watching an episode of Match of the Day rather than playing a football management simulation.

The animations are used to show the various high-points within the actual match. You are treated to nerve-racking penalties, 30 yard free-kicks, unbelievable saves and more importantly, a varied amount of goals, both good and bad.

To accompany the animated action there is a running commentary, à la John Motson, which gives you all kinds of information on how the game is going.

At the end of the day, On The Ball has got the best graphics ever seen in a football management simulation and for that reason alone it should be applauded. A500/A600 should note that your version of On The Ball isn't as colourful as the A1200 version, but apart from that

85%



The On The Ball Gazette. A newspaper full of charts displaying just how well you are or aren't doing in the league



Click on the statistics screen and you'll get an in-depth run-down of information for all your players

SOUND

On the musical front, there is a choice between four tunes which can be accessed from the main screen. They're not the most awe-inspiring musical masterpieces you've ever heard, but they do the job adequately enough and there is always the option to turn them off.

The only other sound occurs when you're watching an actual match and all you hear is the crowd noise. There isn't anything as extravagant as a chant, but the pitch of the noise rises when either team has a shot or scores a goal.

Overall the sound isn't that good, but football management games have never required a decent soundtrack, so I shouldn't worry about it too much.

85%

Publisher: Daze
Developer: Ascon
Disks: 4
Price: £29.99 (32.99 AGA version)
Genre: Football management
Hard disk install: Yes
Control system: Mouse
Supports: A500/A600/A1200/A4000
Recommended: 68020

OPINION

75%

On the whole the League Edition of On The Ball is far better than the World Cup Edition. You're going to get more long-term satisfaction from it simply because you get to do more and, more importantly, you get to play more games of football.

On The Ball isn't quite as in-depth as Premier Manager or Championship Manager, but it beats them for graphics and it is highly playable. The more you play On The Ball, the more you will get into it, but it's not a game that will become the benchmark for the genre.



PD DROME

DISKS EACH
1-10 0.90p
11-20 0.85p
21-40 0.80p
41+ 0.75p
POST 0.75p

Please make POs, Cheques payable to: PD DROME

PD DROME,
DEPT AMC,
32 MEADOW TERRACE,
HERRINGTON BURN,
HOUGHTON-LE-SPRING,
TYNE & WEAR DH4 7AF

MON to SAT
from 9am to 5.30pm
Tel: 091-584 0917

BUY 10+ DISKS AND GET A 10 DISK BOX HOLDER FREE!
BUY 20+ DISKS, NOW YOU CAN CHOOSE A MOUSE MAT INSTEAD!
BUY 25+ DISKS, NOW YOU CAN CHOOSE A HEAD CLEANER INSTEAD!
BUY 30+ DISKS, NOW YOU CAN CHOOSE A DUST COVER INSTEAD!*
BUY 50+ DISKS, NOW YOU CAN CHOOSE A 100 CAP. DISK BOX INSTEAD!
*CHOOSE FOR A500/600/1200

ACCESSORIES

10 CAP. DISK BOX	£1.00 (+50p P&P)
6MM MOUSE MAT	£2.00 (+50p P&P)
DISK HEAD CLEANER	£2.25 (+50p P&P)
DUST COVER (500/600/1200)	£2.50 (+50p P&P)
100 CAP. DISK BOX	£3.75 (+ 50p P&P)
25 BLANK DISKS	£12.50 OR 50p each } ADD
26-35 BLANK DISKS	£0.45p each } £1
36+ BLANK DISKS	£0.40p each } P&P

CATALOGUE DISK IS 75p OR 3 FIRST CLASS STAMPS . . .
WE CAN GET ANY PD ADVERTISED IN THIS MAGAZINE
LOCAL ENQUIRIES, PLEASE PHONE FIRST IF PICKING UP

(*) No of DISKS (WB2+) FOR WORKBENCH V2.0 AND UPWARDS ONLY

UTILITIES

U281 MAGNUM 1.7 Very popular disk magazine creator.
U259 KICKSTART 1.3 Allows A1200/A600 to run A500 software that wouldn't normally run.
U265 TELESCROLL VIDEO TITLER Wipes, fades, scrolls text etc.
U256 D-COPY 3.1 Very powerful disk copier/formatter.
U209 TEXT ENGINE 4.1 The best PD word processor!
U282 VMORPH Excellent util. allows morph/warp animation.
U277 POOLS PREDITOR.
U264 AMIPUNT Racehorse - predict winner!
U222 VIRUS CHECKER 6.41.
U283 SPIDERSOFT UTILITIES Garden designing utils.
U266 600 BUSINESS LETTERS Letters professionally done for all occasions ready to go.
U284 MING-SHU CHINESE ASTROLOG Create horoscopes in seconds.
U285-7 A64 v3.0 (3) Latest CBM64 emulator with a disk full of utilities.
U288 RE-ORG v3.11.
U267 FRENCH VOCAB Get to grips with the language with this excellent disk.
U289 SUPERDARK (WB2+) Great screen blankers!
U290 RELOKICK 1.4 Excellent degrader for A600/1200s.
U291 AMIGAFAX 1.34 Good fax software.
U270 FORMS UNLIMITED Excellent forms/invoice designer + prints.
U269 INVOICE MASTER Brilliant for creating and printing invoices.
U274 EASYCALC+ The best PD spreadsheet. Commercial quality! (WB2+).
U275 EASYCALC This excellent spreadsheet for A500.
U276 EPOCH 3c Excellent Calendar/Diary creator.
U190 MESSY 2 Transfer files to/from Amiga DOS and PC MSDOS files.
U195 SIDV2.01 Excellent alternative to your workbench.
U263 LOCKPICK 2 Removes up to 450 game protections!
U069 MAGNETIC PAGES Great disk magazine creator.
U292 LAST WILL AND TESTAMENT For the pessimist.
U273 FREE COPY 1.8 Similar to Lock Pick 2.
U293 BBASE 3 Powerful database.
U219 EDWORD PRO 4 Excellent word processor.
U021 MENU MASTER 3 Excellent util. to make menus. Easy to use.
U295 DOC DUMP Compress text to print.
U294 PARBENCH Link up 2 Amigas to control/communicate.
U231 VIEWTEK 2 (WB2+) Great multi-viewer supports IFF, GIF, JPEG etc.
U241 PPSHOW 4 Excellent multiviewer (can view compressed files).
U313 UNDELETE Get back deleted files!
U296 MUSICBASE Excellent database. Edits include tracktime, running time, artist etc.
U297 SOCCER LEAGUE Footy database. Lots of statistics can be entered.
U298 THE ANIMATION CONSTRUCTION KIT
U299 ADVENTURE GAME CREATOR
U257 DISK SALVAGE 2 Fixes corrupt data.
U300 NCOMM 3 Latest version of very popular comms package.
U301 AMIGA FOR Great desktop publishing package.
U27 GRAPH PRO Create/draw graphs.
U302 NUMPAD Gives A600 a number pad.
U001 ULTIMATE ICON MAKER
U303 HARD DISK STACKER (WB2+) Increases up to 50% HD Space!
U279 PAY ADVICE Keeps tracks of N.I., tax, pay etc.
U066 M-CAD Computer Aid Design.
U304 MINIMORPH
U305 DART MACHINE Scorer.
U308 AZ SPELL Huge spell checker.
U105 CROSSWORD DESIGNER
U077 A-GENE Family tree.
U306 GUITAR TUNE
U315 BUSINESS CARD MAKER
U309 GRINGER Excellent gfx viewer.
U314 BON APPETIT Recipe database.
U163 WINEMAKER Great database!
U268 AMIBASE PRO 2 Excellent database package.
U280 TSMORPH 3 Latest morphing programs.
U221 LABEL MAKER
U244 ENVELOPE PRINTER
U307 X PASSWORD Protects disks.
U040 GHOST WRITER Put messages on back of disks easily.
U310 FAST INTRO MAKER (WB2+) Fantastic intro maker.
U057 DOPE INTRO MAKER Similar to the two above.
U110 203 UTILITIES Very varied!

GAMES

G157 ORK ATTACK Drop rocks on Orks. Quite fun.
G147 EXTERNAL ROME. Great strategy game.
G024 LARN Excellent text adventure.
G167 CASH FRUIT Blummin' good fruit machine game.
G137 COIN DROP Great fruit machine.
G080 MEGABALL 2.1 A classic bat and ball (Arkanoid) game.
C148-9 HIGH OCTANE (2) Good overhead racing.
G124 DRAGON TILES Stunningly good, remove the tiles (Shanghai) game.
G170 CAPT. BONUS Good rip off of Prince of Persia.
G158 LOADSAMONEY Excellent fruit machine.
G151 MOIRA 5.4 Huge role playing game!
G159 QUIZ MASTER
G159 SUPER PACMAN The best version!
G010 WIZZY'S QUEST
G160 KLAWS THE CAT Very nice looking platformer.
G162 TOP OF THE LEAGUE Great footy management game.
G163 TOADA Very addictive frogger clone.
G164 WORLD DARTS CHAMPION Brilliant!
G166 DRIVING MANIACS Astounding 3D racing game!
G131 STRIKE Excellent 10-pin bowling game!
G165 DELUXE GALAGA
G151 HYPERDRIVE Great 1 or 2 players futuristic racing game.
G156 TETRIS PRO Possibly the best TETRIS clone.
G168 CUBULUS Maddening addictive puzzler.
G178 TRAILBLAZER Exact replica of the CBM64 classic!
G180 SCORCHED TANKS One of the best 1 on 1 blasters.
G152-3 STARBASE 13 (2) One of the best PDs around. Like Monkey Island (point 'n' click).
G181-2 18 HOLE GOLF (2) Great Golf game.
G130 G. PRIX MANAGER
G183 KUNG FU CHARLIE
G101 SCRABBLE
G018-9 STAR TREK (2)
G184 E-TYPE Great asteroidsy game.
G177 FLEUCH Thrust clone.
G145 PROKER Brill poker game.
G185 MONACO Excellent racing game.
G186 V-CHESS
G173 REVERSI 2 The best version.
G042 LCD GAMES 4 handheld games converted.
G187 POM POM GUNNER Op. Wolf style blaster.
G188 WAYNE'S WORLD PONG Lovely sound effects!
G189 WIBBLE...GIDDY Commercial quality!
G155 POPEYE Conversion of the CBM64 classic.
G129 CRICKET Simple but fun cricket game.
G144 DYNAMITE WARS 4 player clone of DYNABLASTAR! Excellent!
G128 DONKEY KONG Classic CBM64 conversion.
G059 HOLY GRAIL A classic text adventure game.
G190 BLACK DAWN Excellent D&D game. Highly rated in mags.
G191 AVATRIS 3 Player Tetris!
G192 BOX Text adventure from author of Life and Death.
G171 AZTEC CHALLENGE Excellent CBM64 conversion of one of my fares!
G193-4 TALISMAN (2) Huge icon driven adventure - 2Mb.
G125 CRAZY SUE 2 Excellent platforming game.
G195 RAID 4 Excellent! Like SWIV.
G035 WET BEAVER Tennis.
G009 CAVE RUNNER+ The best Boulder-dash clone!
G172 SUPER TWINTRIS One of the best 2 player Tetris games!
G109 SUPER SKODA CHALLENGE Overhead 4 player racing!
G078 LLAMATRON One of the best blasters! By Jeff Minter.
G106 EXTREME VIOLENCE Fun 2 player hunt and shoot.
G110 MEGASQUAD One of the best 1 on 1 blasters!
G150 METRO Train set game.
G079 DR. MARIO The classic clone of Tetris, with a twist.
G174 ACT OF WAR 1.4 Excellent strategy/shoot game. Like Laser Squad.
G175 C-ROBOTS Program robots to fight each other.
G075 DOWNHILL CHALLENGE Great skiing challenge.
G023 TOMTESPELLET Nice Speedball clone - not 1200.
G196 MONOPOLY
G143 DOODY
G197 ZULATORS! V. funny text adventure.
G037 JETMAN It's a Jetpac clone.
G123 SON OF BLAGGER Conversion of CBM64's classic platformer (identical).
G198-9 MR MEN OLYMPICS (2) An amazing sports game. Great for the kids.

IN THIS ADVERT ALL TITLES WORK ON ALL AMIGAS UNLESS OTHERWISE STATED

G179 BOMB JACKY Good Bomb Jack type game.
G176 LEMMINGS 2 HD INSTALLER
G108 ROAD TO HELL Excellent overhead (1/2 players) racing game – 2Mb.
G203 NOSTALGIUM The CBM64's Uridium!

DEMOS

D231 FAIRLIGHT 242
D232 SANITY ARTE Fantastic demo!
D233-4 NINE FINGERS (2) Follow up to State of the Art!
D235 LEMONS GRODVY
D236 EXPLICIT 2
D237 WORLD OF COMMODORE
D194-9 PINK FLOYD: THE WALL (6) A total classic! – 2 Drives, not A1200.
D174 RAY OF HOPE 2 Georgeous graphics – not A600/A1200.
D238 VOYAGE
D049 BUDBRAIN 2 – not A600/A1200.
D239 FULL MOON Best demo of the year so far?
D240 EMPTY HEAD
D241-2 ORIGIN (2)
D243 PLANET GROOVE
D244 FRACTAL EXPERIENCE
D245-6 MAX. OVERDRIVE
D247 POINT OF SALE
D248 RETINA

A1200 ONLY UTILS

U316 SLEEPLESS NIGHTS Good collection of utils.
U317 FREAKS Another good collection.
U318 PC TASK V2.03 PC emulator.
U260 A1200 ICONS
U237 AGA 1 Good collection of utils.
U238 AGA 3 Another collection.
U278 LYAPUNOVIA Excellent fractal generator.
U319 WINDBLEND Great fractal generator.
U320 ANDY'S WB3.0 UTILS Good collection.
U240 AKTION REPLAY PRO The disk manipulator(?) on floppy.
U321 MAGIC WB (Also on WB 2.0).
U233 MANDELMANIA Mandel's man.

EDUCATION

E016 WORLD GEOGRAPHY
E017 THE ATOM - 1.5Mb + 2 drives.
U229 LITTLE TRAVELLER
E018 STEAM ENGINE
E019 PETROL ENGINE
E015 LEARN SIGN LANGUAGE
E010 TYPING TUTOR
E020 BIORYTHMS
E021 HOW EARTH BEGAN
E022 SINGALONG NURSERY RHYMES
E023 CHILDREN'S SONGS
E024-6 ELECTRONIC WORLD (3) New and Old Testament.
E027 AMERICAN FOOTBALL
E028 HIGHWAY CODE TUTOR
E012 JAPANESE LANGUAGE TUTOR
E029 BACK TO SCHOOL 1 Three fun and simple learning progs.
E030 BACK TO SCHOOL 2 For the kids to learn from.
E031 OCTAMED TUTOR Learn how to use it properly.
E032 ASTRO 22 v 3.5S For the discerning astrologer.
E033-4 READ and LEARN 1 (2).

A1200 ONLY GAMES

9139 MEGABALL AGA The best version of the bat and ballers.
9142-3 MOTOROLA INVADERS (2) Excellent blaster.
G118-20 KLONDIKE (3) Georgeous gfx of Patience the card game.
G144 MAD FIGHTER Excellent streetfighter 2 clone.
G085 AGA TETRIS Inevitable really.
G145 GIGER TETRIS Alienesque gfx on this!
G084 BORON Great blaster.
G141 AIRPORT This fantastic game fixed to run on the A1200.
G126 UCHESS Excellent chess game (also WB20) - 4Mb.

A1200 ONLY SLIDESHOWS

S083 MAGIC FACTORY 2 Excellent sci-fi pix.
S079-82 WORLD OF MANGA (4) Amazing quality.
S084 FERRARI
S085-6 MINI AGA (2)
S087 NIGHTBREED
S088 NIGHTBREED 2

GLAMOUR

B001-2 BODYSHOP 4 AGA (2)
B003-4 BODYSHOP 5 AGA (2)
B005-6 FIT CHIX 3 AGA (2)
B007-8 FIT CHIX 5 AGA (2)
B009 CINDY CRAWFORD
B010 CINDY CRAWFORD 2
B012-3 BODYTALK (2)
B014 MADONNA
B015-6 ERIKA ELENIAK (2)
B017-8 FAMOUS REVEALED 1 (2)

SPECIAL PACKS

These special packs are priced with postage included!
These packs do not include the FREE gifts unless ordering with 10+ disks.

COMMS

NCOMM2, LHA + DMS, BBC SIMULATOR, PHONE DIRECTORY, TEXT + 3.0, AMIGA FAX, COMMS BEGINNERS GUIDE
5 DISKS = £4.25

BUSINESS PACK 1

TEXT ENGINE 4.1, AMIBASE PRO 2, EASYCALC(+) (state machine), AZ SPELL, TYPING TUTOR, PRINT + BUSINESS CARD MAKER, DIR UTIL.
8 DISKS = £6.75

BUSINESS PACK 2

FORMS UNLIMITED, INVOICE PRINTER, 600 BUSINESS LETTERS, LABEL PRINT, FILOFAX, TEXT + 3, HOUSE INVENTORY, AMIGA FOX DTP
8 DISKS = £6.75
★ BUY BOTH BUSINESS PACKS (16 DISKS) = £12.95

SPECTRUM PACK

SPECTRUM EMULATOR V2 + APPROX. 85 CLASSIC GAMES...
Underwurlde, Spy Hunter, Green Beret, Jet Set Willy, Saboteur, etc.
7 DISKS = £6.25
★ BUY FULL SET, APPROX. 188+ GAMES (14 DISKS) = £11.50
★ A1200 owners ask for AGA Emulator

STARTER PACK

DUST COVER (A500/A600/A1200), MOUSE MAT, DISK HEAD CLEANER, 10 BLANK DISKS, 10 DISK BOX HOLDER, 5PD OR YOUR CHOICE ALL FOR £16.50.

F1 LICENCEWARE

Prices from £3.99 to £6.99
We are official F1 Licenceware distributors. Below are 18 exclusive F1 titles which can be ordered from us. A full listing of ALL F1 Licenceware products are in our catalogue. All titles work on A500(+)/A600/1200 unless otherwise stated.
Please remember to add 75p for P&P.

F1007 FORTRESS **2Mb Chip+ Only £3.99**
Rated 88% A. POWER (Jun 94).
Rated 90% THE ONE (Jun 94).
This is a war Arcade/strategy game based on the likes of MEGALOMANIA and POPULOUS, with excellent GFX, sound FX and an addiction level that will keep you glued to the monitor for simply yonks!
"...Absolute marvel to behold", said A. Action (May '94).
"...Graphics are gorgeous...I loved it!," said The One (June '94).

F1006 BLACKBOARD v2.0 (2 disks) £4.99
Earlier version rated 88% CU Amiga. New version rate 90% Amiga Shopper.
"AGA owners get near 24-bit graphic manipulation...should be on your shelf if you are into graphics," said Amiga Shopper. BlackBoard is an image processor written specifically for the AGA chip-set machines, although BlackBoard will run on any Amiga with the following system. REQUIREMENTS: 2 floppy drives (or hard drive) and a minimum 1 meg of memory.

F1001 MAGNUM PRO £3.99
Earlier version received 93% CU Amiga (Oct '93)
This is the final version of the acclaimed disk magazine creator with loads of NEW features. Amos source included to create your own interface!

F1002 Cricket Crazy £3.99
Reviewed in A. Power (Apr. '94) "Nearly as good as the commercial Cricket sims! Just about every aspect of cricket covered."
Cricket Crazy is the most advanced cricket simulation yet, combining arcade action and strategy in a mix of fun and friction that even non-cricket fans will enjoy. Humoungous amount of features!

F1003 Absolute Beginners' Guide to Amos (v2.1) £3.99
A.B.G.T.A. has been written with the complete novice in mind and introduces all the early commands every beginner needs to overcome. Loads of example progs ready to run (need Amos)... set up to print for Epson prints for easy printing of articles.

F1004 Super Fun £3.99
Super Fun contains four education programs for children in the range of 5-9 years. Great solve the sums games, make your own records using 750 different sounds, junior version of Mastermind with numbers and a prog which allows you to see any time-table from 1-99.

F1009 The Rainy Day Disk £3.99
The Rainy Day Disk is an excellent compilation of 5 children's educational programs. The recommended age range is for 4 to 8 year olds.
Paint Box allows children to easily colour in one of ten pictures.Tiny Tunes has 10 popular nursery rhymes in a copy and play environment. Wordsearch - find the hidden words in each of ten different puzzles. Story Book - make your own pictures in this mini-art program.

F1010 Karate Master
"REQUIRES AT LEAST 1.5 MEG" £3.99
Karate Master has all the speed and variety of moves and excitement of the real sport. 1 or 2 players, 99 levels, timer on/off option, sub game every two levels + other features.
Reviewed in A. Action (Apr. '94) - "You should be impressed"
Reviewed in The One (May '94) - Rated 80%
Reviewed in A. Power (June '94) - Rated 4 out of 5 (80%)

F1012 Obliteratives £3.99
Obliteratives is an arcade skill game for 1 or 2 players. Create your own IFF screens to use as the play area!

F1013 THROUGH THE RED DOOR £3.99
Reviewed in CU AMIGA (May '94) - "Another great educational pack".
1 - Choose colour of objects in the playroom, countryside & seaside.
2 - Help Sarah find missing animals in the shop, garden and bedroom.
3 - Help to dress Sarah and Simon in the correct clothing.
4 - Find the objects beginning with the selected letter.

F1014 TOTS TIME £3.99
This one is mainly for the very young child up to four years old, has three programs.
1 - Press any key in alphabet views pictures relating to that letter.
2 - Click on a number to reveal a picture pertaining to that number.
3 - Click on a picture to hear a sound relating to it.

F1018 RELICS OF DELDRONEYE (4 DISKS) £6.99 **2Mb Chip only**
Reviewed in The One (Jun. '94) "Good a value as any of the big boy games" (Full price games), "Top stuff, buy it!" Rated 91%.
A mouse driven interactive adventure with great graphics, sound fx and animations. Contains brain numbing but logical puzzles, 64 colour gfx and around 100 locations. Like Monkey Island/Lure of Temptress.

F1019 Touch 'n Go £3.99
Reviewed in The One (Jun. '94) "As far as puzzle games go, this has everything you could want...features an excellent number of levels and layouts." Rated 87%
This is an excellent arcade/puzzle game which supports passwords, 100 levels, parallax scrolling and wicked backdrops, cool music and sound FX. Demo version appeared on The One cover disk June '94.

F1022 ASK ME ANOTHER £3.99
This disk gives tremendous value for money, it contains 20 individual learning modules that are both fun and cover a wide range of different learning techniques. This is intended for children aged 3 upwards. The modules are: Shapes, Time, Words, Adding, Colours, Homes, Money, Sequences, Matching + 11 others.

F1023 PICK AND STICK £3.99
This one is for children of up to six years old. Pick and Stick is a very simple, but fun, picture creator. The child can choose from 3 different settings: SEASIDE, FAMILY or UNDERWATER. The child then has around fifty different objects to PICK and STICK on the background picture to create their own scenes.

F1024 MATHS MONKEY £3.99
One of the best educational packs we have. This one is for approx. 7 to 12 year olds. Learning modules are:
1 - 32 clock/time questions of 4 different types.
2 - 24 questions covering addition, multiplication, subtraction and division.
3 - Different maps teaching the child to read coordinates, the child interacts with a ruler, measuring objects on a screen.
4 - How much is? Type in the value of...etc.
5 - An excellent way of graphically teaching fractions.

F1025 ART SCHOOL V1.1 (2 DISKS) £4.99
Don't be misled into thinking this is a kid's program, it is, but EVERYONE will love this awesome art package that is just bristling with original and innovative features. It can do everything you would expect from a commercial art package and plenty more besides! Buy this product now before the author realises he could be selling it at 30 quid a time. There are far too many features!

F1026 Take a Look at Europe £3.99
This is aimed at eleven year olds and upwards. The 6 modules are:
1 - Type in the name of each country (in Europe) the jet plane lands on.
2 - You are presented with a map of a country and its name, you must match this to one of the 24 capitals given.
3 - Name the ocean the whale is currently swimming in.
4 - Enter the name of the country whose flag is shown.
5 - Match the 25 currencies to the correct (map shown) country.
6 - Gives information on each European country in the form of: area, capital, currency, population and language.

system preview

Just when you thought it was safe to go back and enter a football management free-world! Jonathan Maddock looks at the third game in Gremlin's Premier Manager series.

One of the most popular genres of game these days is, surprisingly, the football management simulation. When the original Premier Manager arrived a couple of years ago, it was adored by just about everyone including non-football fans. In fact, even those people who detest the beautiful game had taken to Gremlin's superb simulation.

Premier Manager was an absolute corker, but you got the feeling, at the time, that something was missing from the simulation. To combat this, Sheffield's finest software house created a sequel which more than surpassed the original. For proof you only have to have a quick peek at Gremlin's sales figures for the game which were well over the 100,000 unit mark.

As far as I'm concerned, Premier Manager 2 is the ultimate football management simulation and I've yet to see anything that comes even relatively close. There aren't many games I'll play well into the early hours, but Premier Manager 2 is one of them and although it doesn't get played as regularly now, it still has a secure place in my games collection.

Having said all that though, Gremlin are now out to disturb my precious collection because craftily hidden up their sleeves is another helping of Premier Manager.

PROMISES

The imaginatively titled Premier Manager 3 promises to be even better than Gremlin's previous two efforts. Considering just how good Premier Manager 2 was (is?), you might be wondering how on earth do you improve on a game of such high-quality. Like the saying goes though, nobody's perfect.

Realms of Fantasy, the developers behind the trilogy of games, have included a stack of new features into Premier Manager 3 and the first one you notice is the improvement in the graphics department. The actual layout of the screen isn't vastly different, but the standard and overall quality of the graphics is.

The ground improvement screen, for instance, now has a detailed picture of your stadium, whereas last time you could only glance at the various terraces and stands. Graphically, even the telephone has been given a new lick of paint, but the biggest graphical change of all is when it comes to playing an actual match.

You are now presented with a whole game rather than just a few snippets of selected action. You can see the whole football pitch and you now know exactly where every single player is. This new view really helps you get a better overall view of how the match is going, so thus you know what to change if things aren't quite going to plan.



Whenever a match incident occurs, it is accompanied by sampled speech from Martin Tyler and a small animation

The sound has also had a radical overhaul and the match is now littered with crowd chants/noises. A sampled Martin Tyler (top TV commentator) is also heard whenever something interesting happens in the game, such as when a goal is scored or when your goalkeeper makes a heroic save.

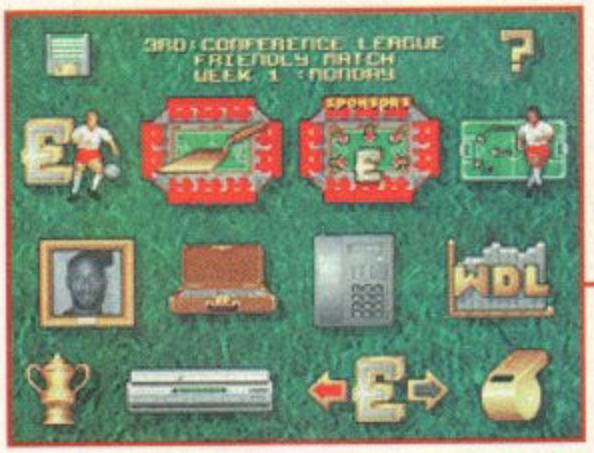
Using a specific grid system on the pitch, you can now determine where and how each player will play, depending on where the ball is on the field of play. This does take time to set-up, but worthwhile in the end as you have a lot more control over your team.

Perhaps, one of the most helpful new features is the introduction of an assistant manager. You'll find one down the job centre and once you've hired him, you can get him to do all those jobs you love to hate. He'll handle all the players contracts, training and a lot of the day-to-day running of the club leaving you to concentrate more on the team.

There are bundles and bundles of new bits to the third game in the Premier Manager series, but I just haven't the space to gab on about them all, but having played a near to completed version of the game I know this one will become the ultimate Amiga football management simulation.

Start saving your cash now because Gremlin Interactive are going for goal yet again and at the moment their striker is just about to complete his hat-trick by cracking one into the top corner.

Premier Manager 3



The main menu has been given a new lick of paint. The blue screen has been replaced by a green one and the icons have been updated



The ground screen now presents you with a picture of the whole stadium



You now have total control over all your football stars



The match graphics now look superb with 22 players running around the pitch.

(0903) 850378 SEASOFT (0903) 850378

CLR LICENCEWARE

CLE05 ACHORD (£3.95)
Guitar chord tutor
CLE15 FAST FRET (£3.95)
Guitar scales tutor
CLE19 PLAY IT SAFE (£3.95)
Teach kids about safety in the home
CLE20 BIG TOP FUN (£3.95)
Help young kids with words/pictures
CLE28 FUN WITH CUBBY (£3.95)
8 different educational games for kids
CLE29 PREHISTORIC GAMES (£3.95)
Dinosaurs based games for kids
CLE48 ROCKET MATHS (£3.95)
Excellent children's maths tutor
CLE52 TELL THE TIME (£3.95)
A fun way to teach kids the time
CLE59 TOUR THROUGH TIME (£5.95)
History of Earth from creation to now
CLE60 ZENER CARDS (£3.95)
Scientific test for telephone potential
CLE61 SOUND & ANIMATION STUDIO (£3.95)
Excellent create your own animations
CLG20 JUNGLE BUNGLE (£3.95)
Excellent graphic adventure game for kids
CLG35 OG! (£3.95)
Commercial quality platform game
CLG43 PIC IT (£4.95)
Excellent trivia game
CLG51 TEN PIN BOWLING (£3.95)
Great fun – Ten Pin bowling sim
GLG61 WORLD CUP USA 94 MANAGER (£5.95)
Epic football management game
CLU03 TYPING TUTOR (£3.95)
Comprehensive typing course
CLU06 SUPERSOUND (£3.95)
Excellent sound sampler
CLU10 POWER ACCOUNTS (£3.95)
Keep track of your bank account
CLU21 INVOICE MASTER (£3.95)
Simple to use invoice program
CLU32 POWER TEXT 2 (£3.95)
Excellent wordprocessor

CLR ENCYCLOPEDIAS

A range of entertaining and highly educational disk based encyclopedias
CLE01 DINOSAURS 2 (£4.95)
CLE02 GEOLOGY (£4.95)
CLE03 SOLAR SYSTEM (£5.95)
CLE07 FISHING (£4.95)
CLE14 ECOLOGY (£5.95)
CLE32 SPITFIRE (£4.95)
CLE33 MESSERSCHMITT (£4.95)
CLE35 SOLAR SYSTEM 2 (£5.95)
CLE49 DINOSAURS 3 (£5.95)
CLE54 THE TITANIC (£4.95)
CLE63 TUTANKHAMUN (£4.95)
CLE56 BASIC LANG (£3.95)
CLE56 CHEMISTRY (£3.95)
CLE58 STARS & GALAXIES (£5.95)

AMIGA PD & SHAREWARE

A1200 ONLY

1268 BACKGROUNDS (1)
Colourful WB backdrops
1384 DIAGNOSTIC PROG (1)
Comprehensive tests
1619 A1200 PREP DISK (1)
Program to set up hard drive
1266 A1200 UTILITIES (1)
BBlank; Gif; Pcx; DoubleX; MagicMenu; SysInfo
1372 VIRUS KILLERS (1)
1373 ABSTRAX PIG (1)
Stunning demo
1332 AGATHY DEMO (1)
Shows off the AGA graphics
1202 ANDYS UTILS (1)
1273 ASI FIX DISK VOL 1 (1)
Get A500 programs working!
1334 ASI FIX DISK VOL 2 (1)
More A1200 utilities
1336 BEYOND BELIEF (1)
Spectacular AGA demo
1358 BIG GIRLS (X) (1)
1431 BIG TIME SENSUALITY (2)
Excellent MegaDemo
1389 BODY SHOP 7 (X) (2)
1407 BORIS VALLETO (2)
Fantasy slideshow
1651 CINDY CRAWFORD (X) (2)
Excellent slideshow
1394 CHANEL NO 5 (1)
Brand new megademo
1335 CHROMAGIC (1)
Music demo
1365 CLAUDIA SCHIFFER (1)
Excellent pictures of top model
1316 CYNOSTIC S.SHOW (1)
Brilliant AGA slideshow
1383 ERIKA ELENIAK SLIDESHOW (X) (1)
1368 EMPTYHEAD (1)
Short demo from Rednex
1376 EXPLICIT 2 DEMO (1)
Demo with stunning effects
1414 FATAL MORGANA (1)
Megademo from Tragedy
1337 FERRARI PICS (1)
Hand drawn pics of cars
1409 FIT CHICKS 3 (X) (2)
Page 3 style pics
1340 FULL MOON (1)
Stunning AGA demo
1411 GLADIATORS (2)
Slideshow of your heros
1341 GRAPHIC UTILITIES (1)
1367 HYPNOSIS (1)
Rave/Acid demo
1381 JESUS ON E'S (2)
Classic Acid demo (2 drives)
1649 K RHODES PICS (1)
Vol 2 excellent Fantasy slides
1253 KLONDIKE AGA (3)
Classic patience game with 50s style pin-ups cards

MUSIC

1456 BARNEY WARTS 'N' ALL (1)
OctaMED Modules
1256 GUIDE TO MUSIC# (3)
Guide to electronic music (2 drives)
1460 FRIENDS OF PAULA 4 (1)
1461 FRIENDS OF PAULA 5 (1)
1436 MAKING TRAX VOL 1# (1)
4 OctaMED Modules
1504 MELODICALLY CORRECT (1)
7 Excellent OctaMED Mods
1503 MUSICALLY CHALLENGED (1)
More high quality modules
1120 MICROCRAFT 4 (1)
Bril OctaMED modules
1438 MIDICRAFT VOL 1 (1)
Demo of Music X and Midi songs
1440 MIDICRAFT VOL 2 (1)
1449 ROBS ROCKERS 1 (1)
6 OctaMED Modules
1450 ROBS ROCKERS 2 (1)
1453 BASS SOUNDS (1)
Bass samples form MUG
1454 BRASS & WOODWIND (1)
Brass & Woodwind samples
1455 DRUMKIT 3 (1)
1323 SAMPLE PERFECTION 1 (1)
24 instruments/8 samples
1447 XMAS SONGS (1)
Excellent Christmas songs

UTILITIES

1478 A64 EMULATOR V3 # (2)
1476 ACC HARDWARE PROGRAMMERS MANUAL M1 (1)
1475 ACC ISSUES 1-4 (1)
1481 600 BUSINESS LETTERS (1)
1629 AREXX TUTORIAL (1)
1630 ASTRO 22 V3 (1)
Serious Astronomy program
1621 AWARD CON. KIT (1)
Create your own awards
1634 BUDBASE (1)
Excellent database program
1483 CODE MUNGUS V5.7 (1)
Highway code tutor
1311 COMMUNICATE (1)
Sign; flags; morse code etc.
1310 COPIERS UNLIMITED# (1)
Excellent collection of copiers
1216 D-COPY 3 (1)
Excellent copying program
1491 EASY CALC PLUS # (1)
Comprehensive spreadsheet
1647 FINAL WRAPPER (1)
Final Writer Macros
1495 ICON PLUS (3)
Various icons and useful utilities
1626 ICON EDITOR V4 (1)
1260 JPEG UTILITIES # (1)
1200 KICK V1.3 # (1)
Run those old A500 programs
1499 MENUMASTER III (1)
Create your own Menus
1261 N-COMM V3 (1)
Comms package

GAMES/EDUCATION

1319 ACT OF WAR (1)
Excellent strategy game
1648 ACT OF WAR MISSIONS (1)
Extra Missions for Act of War
1527 BACK TO SCHOOL (3)
3 Educational games for kids
1523 BODY PARTS (1)
How the body moves etc
1636 DR STRANGE (1)
Excellent Platform game
946 DINOSAURS (1)
Learn all about Dinosaurs
1421 EXIT 13 (1)
Challenging puzzle game
1274 GAME TAMER V4.59 (1)
459 game cheats
1385 GUSH (1)
Excellent Pipemania clone
1386 HIGH OCTANE (1)
Overhead car racing game
1262 HOW THE EARTH BEGAN (1)
Educational slideshow 5-10
1517 ILLUSIONS (1)
Excellent Shareware art package
1510 KIDS VOL 1 (1)
Excellent for young children
1388 KUNG FU (1)
Platform beat em up
1425 ROAD TO HELL (1)
2 Meg overhead racing game
1521 RUNE MASTER (1)
Learn all about Rune Stones

A1200 ONLY

Extra Klondike card sets
1637 ART (1)
1640 CINDY CRAWFORD (X) (1)
1638 FACES (1)
1641 IRON MAIDEN (1)
1639 MANGA (1)
1642 DAVE SANDMAN (1)
1643 WOMAN (X) (1)
1345 LOCKPICK 2 (1)
Install many games on HD
1498 LYAPUNOVIA (1)
AGA fractal generator
1343 MEGA BALL (1)
Classic game
1346 MAGIC FACTORY (2)
Startrek pictures
1344 MAGIC WORKBENCH (1)
Dazzling new look for WB
1643 MAGIC W/B EXTRAS (2)
1352 MANGA SLIDESHOW (4)
"Famous Japanese artwork"
1391 MAXIMUMOVERDRIVE (2)
Excellent megademo
1356 MINI AGA SLIDESHOW (2)
Collection of Raytraced pictures
1350 MIRAGE SUBLIMINIAL (2)
Acid demo
1641 MISSILES OVER XENON (2)
AGA Missile Command game
1636 MORPH MAGICIAN (1)!
ES anim (Req 4Megs and HD)
1348 MOTOROLA INVADERS (2)
AGA space invaders game
1645 NIGHTBREED VOL 4 (2)
Excellent AGA slideshow
1369 NINE FINGERS (2)
Stunning Rave demo - a must
1393 NOT AGAIN (1)
Excellent megademo
1363 ORIGIN AGA DEMO (2)
Space megademo
1371 PANTA RHEI DEMO (1)
1199 PLANET GROOVE (1)
The very first AGA demo
1366 POINT OF SALE (1)
Classic demo - a must for demo fans
1395 RAY WORLD (3)
Out of this world
1534 REAL DEMO (1)
Unusual AGA demo
1653 ROKETZ (1)
Brilliant new gravity/thrust game with excellent GFX & gameplay
1228 SLEEPLESS NIGHTS (1)
Loads of useful utilities
1282 STATE OF THE ART (1)
Mega rave demo from Spaceballs
1180 SUPERHAM PICS (6)
Excellent Superham pics
1514 TUTANKHAMUN (2)
Pics of some of the treasures
1275 U-CHESS (1)
4 Meg AGA Chess game
1375 VISUAL VERBOSITY (1)
Excellent AGA slideshow

ONLY £1.00 PER DISK FOR 5 OR MORE

1 disk - £1.50, 2 to 4 disks - £1.25, 5 to 24 disks - £1.00, 25+ disks - 90p
Number of disks shown in brackets
Titles marked # will not work on A500 (V1.2/V1.3)
Titles marked (X) are suitable for over 16s only

1435 EAGLE PLAYER (1)
Multi format music player
1462 MIDI TUTORIAL (1)
OctaMED Pro Midi Tutorial
1463 NO SAMPLER? (3)
Various rippers & other tools
1443 OctaMED V2 (1)
Fully working 8-channel editor
1650 OctaMED V5.02 # (1)
Non-save demo of latest version
1444 OctaMED 4 MANUAL (1)
1442 PROTRACKER V3.1 (1)
Latest version popular tracker
1471 TI 5 (1)
Last PD issue of the Med User Group disk magazine
1472 TI 1993 (3)
The best of TI issues 1 to 4
1508 X BEAT PRO (1)
Shareware Drum sequencer

1004 NORTH C (2)
1198 NUMPAD (1)
Numeric keypad for your A600
1277 PC TASK V2 (1)
Demo of PC emulator
1622 PRINTER DRIVER GENERATOR # (1)
Create your own drivers
1318 PRINTER DRIVERS (1)
Canon BJ; HP Deskjet; Ricoh LP1200 Drivers
966 SID 2 (1)
Directory utility
1482 SUPER DARK (1)
Excellent screen blanker
1305 TEXT ENGINE V4.1 (1)
Word processor with spell checker
1631 V-MORPH V3.2 (1)
Latest morphing program
1501 VIRUS CHECKER V6.33 (1)
1640 XMAS CLIPART (1)
Mono Clipart Christmas theme

1426 SKIDMARKS # (1)
Playable demo
1427 STARBASE 13 (2)
Graphic space adventure game
1196 SCIENCE 1 (1)
Programs about Astromomy
1193 SCIENCE 2 (1)
More programs of Astronomy
1193 SCIENCE 3 (1)
Making Waves, various progs
1194 SCIENCE 4 (1)
Programs on Chemistry
1533 STATES OF EUROPE (1)
Text book on Europe
1429 LITTLE TRAVELLER (1)
A guide to travelling the world
1517 TOME OF MYTHS (2)
Learn about Classic Myths
1433 WORLD GEOGRAPHY (1)
Geological maps of the world
1271 WORLD WAR II (1)
Second World War text book

FI LICENCEWARE

F1001 MAGNUM PRO (£3.99)
Disk magazine creator
F1002 CRICKET CRAZY (£3.99)
Cricket simulator
F1003 GUIDE TO AMOS (£3.99)
A must for beginners to Amos
F1004 SUPER FUN (£3.99)
Educational programs for 5-9 years
F1005 MUSIC DISK 1 (£3.99)
Tracker modules for programmers
F1006 BLACKBOARD (£4.99)
Image processor (needs 2 drives or HD)
F1007 FORTRESS (£3.99)
War arcade/strategy game
F1008 MUSIC DISK 2 (£3.99)
Rock modules for programmers
F1009 RAINY DAY (£3.99)
Educational progs for 4-8 years
F1010 KARATE MASTER (£3.99)
Serious Karate simulator (needs 2 Meg)
F1011 IFF VECTOR BALL DESIGNER (£3.99)
F1012 OBLITERATIVES (£3.99)
Arcade game for 1 or 2 players
F1013 THROUGH THE RED DOOR (£3.99)
Educational progs for 3-5 years
F1014 TOTS TIME (£3.99)
Programs for young children under 4
F1015 SPECTRA & ALL SQUARE (£3.99) - 2 puzzle games
F1017 F1 MUSIC 3 (£3.99)
F1018 RELICS OF DELDRON-EYE (£6.99)
Epic graphic adventure game (2 Meg)
F1019 TOUCH 'N' GO (£3.99)
Brilliant game, you need a steady hand!
F1021 MULTIPLAYER YAHTZEE (£3.99) Famous dice game
F1022 ASK ME ANOTHER (£3.99)
Kiddies educational games
F1023 PICK 'N' STICK (£3.99)
Fuzzy felt style art package
F1024 MATHS MONKEY (£3.99)
Maths games for young children
F1025 ART SCHOOL V1.1 (£4.99)
Commercial quality art package for kids
F1028 CL INDEX (£3.99)#
AmigaDos C commands reference
F1031 POWER BASE (£3.99)
Powerful, user friendly database
F1034 FI CHALLENGE (£3.99)
Manage your own Formula 1 team
F1035 CHILLY CHAVEZ (£5.99)
Excellent platform game for children
F1037 SUPER BINGO 2 (£3.99)
Bingo with real life sampled voices
F1039 TWO CAN PLAY (£3.99)
Kids games, 2 can play at same time!
F1040 HENRY'S HOUSE (£4.99)
Colourful platform game 5-10 years
F1041 GRAND PRIX MANAGER (£3.99)
Management simulator 1994 season

NOTHING BUT AMOS

The best selling AMOS disk magazine
Issue 7 now available
£2.50
(£4.50 with support disk)
Issues 1 to 6 also available

OctaMED V5.01

Full 2 disk version with on-line help, HD installer, OctaMED player and 220-page Companion tutorial.
NOW ONLY £19.95
(£1.00 P&P)

T.I.

Issue 9 of the official MED User Group (MUG) disk magazine
£2.50
(iss 6 - 8 also available)

ASSASSINS GAMES

1 to 202
(send sae for list)

MORTON STRIKES BACK – £4.99

Brilliant platform game from the author of OG! Guide Morton over 60 colourful levels collecting items & avoiding nasties

CD ROMS

AMINET 3 - £19.95
Latest offerings from the Aminet collection. 3300 files of applications, games, songs, demos, pictures & anims
AMOS PD - £19.95
The official AMODS PD library (1 to 621), various AMOS/Pro extensions, Iss 1 to 6 of Totally AMOS mag.
CDPD 4 - £19.95
Fish disks 891 to 1000, AM/FM, GNU C/C++, etc.
EMERALD MINES - £14.95
Over 10,000 levels of this classic game OK on CD32
EUROSCENE 1 - £14.95
600Mb of demos & music from the Euroscene gatherings
FRESH FISH - £19.95
The very latest from the famous Fred Fish collection
GOLD FISH - £29.95
Fred Fish 1 to 1000 in archived and ready to run form
NETWORK ROM - £14.95
Various networking tools, Fish, AMOS, T-Bag etc.
PROFESSIONAL FONTS - £19.95
Hundreds of Adobe & Compugraphic fonts and clip art
SOUNDS TERRIFIC - £19.95
Double CD containing thousands of music files for Amiga & PC. Modules, Midi Files and IFF, WAV & VOC samples
WEIRD SCIENCE CLIP ART - £9.95
26,000+ files of Amiga & PC Clip Art. Mono & coloured IFF, Pagestream, Pagesetter, EPS, IMG & Corel Draw
WEIRD SCIENCE FONTS - £9.95
Amiga & PC Fonts. Including Adobe, Compugraphic, Bitmap, IFF, Postscript, Pagestream, Truetype & PCX etc

FRED FISH 1 to 1000

(send £1.00 for Fish catalogue disk)

AM/FM

Disk magazine for the serious Amiga musician
Issue 19 out now
£2.50
iss 1 to 18 also available

AM/FM SAMPLES

19 disks packed with high quality samples
£2.50 per disk
(send sae for list)

THE AMIGA EXPERIMENT

Some of the best known names from the Amiga music scene on this unique audio CD
£11.99

ZAPPO A1200 CD-ROM DRIVE

£199
(a massive 20% off any CD-ROMs purchased with the drive)

TECHNOSOUND SAMPLERS

TURBO - £22.50
TURBO 2 - £29.95

MIDI INTERFACE

£22.50

AURAL ILLUSION

16-BIT SAMPLE PROCESSOR
32 bit processing
20 variable effects
30 manipulations
powerful editing functions
compatible with most popular file formats
NOW ONLY£20.00

ACCESSORIES

(£1.00 p&p)
PYTHON JOYSTICK – £9.99
ZIPSTICK JOYSTICK – £12.99
MOUSE MAT – £2.99
PICTURE MOUSE MAT – £4.99
MOUSE HOLDER – £2.50
HEAD CLEANING KIT– £2.99
MONITOR COVER – £4.99
A500 DUST COVER – £2.99
A600 DUST COVER – £2.99
A1200 DUST COVER – £2.99
PRINTER STAND – £4.99
PRINTER LEAD (1.8m) – £3.99
PRINTER LEAD (5m) – £6.99
4 PLAYER ADAPTOR – £5.99
LONG JS EXTENDER – £4.99
MESH MONITOR FILTER – £12.50
SHORT TWIN EXTENDER – £4.99
AMIGA-SCART LEAD – £10.00
KB WRIST SUPPORT – £4.99
X-COPY PRO
£25.00

MEGA MOUSE

Microswitched 400dpi ultra high res
£12.95

BUDGET MOUSE

£9.99

PARNET

1.8m lead - £10.00
5.0m lead - £15.00

CD32 AMIGA SERIAL LEAD

£19.95

DISKS & BOXES

(£1.00 p&p)
DISK BOXES
(FLIP LID)
10 cap - £1.25
(buy 5 for £5.00)
40 cap - £4.00
100 cap - £4.99
(SLIDING DRAWER)
80 cap Banx - £12.95
150 cap Posso - £18.95
200 Cap - £12.95
3.5" DISKS WITH LABELS
100% error free
DS/DD (AMIGA etc.)
10 - £5.00
50 - £22.50
100 - £40.00
DISK LABELS
100 - £1.50
500 - £6.00
1000 - £10.00
1000 T.FEED - £12.50

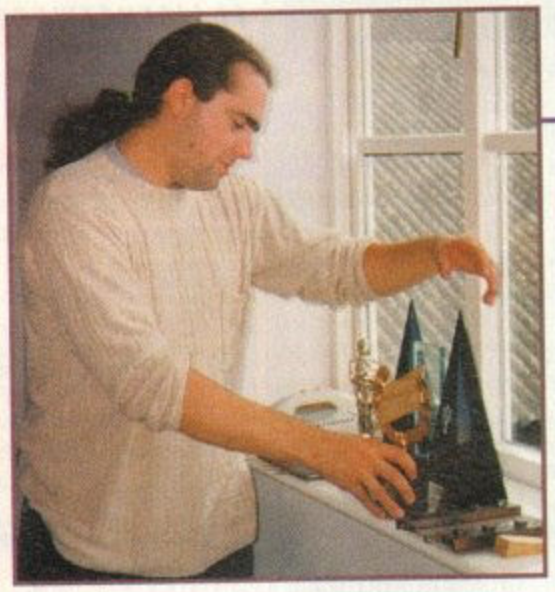
Please add 50p P&P to orders for P.D./Licenceware only (£1.50 Europe, £3.00 rest of World) or £1.00 if your order includes other items (Europe & rest of World at cost).
Please make cheques/postal orders payable to SEASOFT COMPUTING and send to:
SEASOFT COMPUTING (AC), The Business Centre, First Floor, 80 Woodlands Avenue, Rustington, West Sussex BN16 3EY
or telephone

Access

(0903) 850378

VISA

10.00am to 7.00pm Mon-Fri (to 5pm Sat) Mail order only – no callers please



Jon proudly shows off his awards

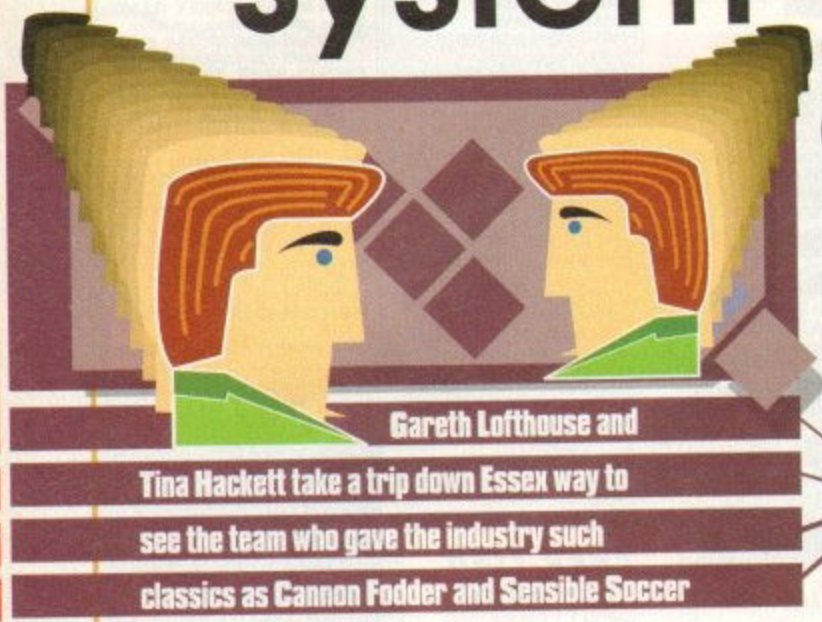


Jon and Chris researching Sensible Pool – perhaps not!



Jools takes us through the latest Golf game

system profile

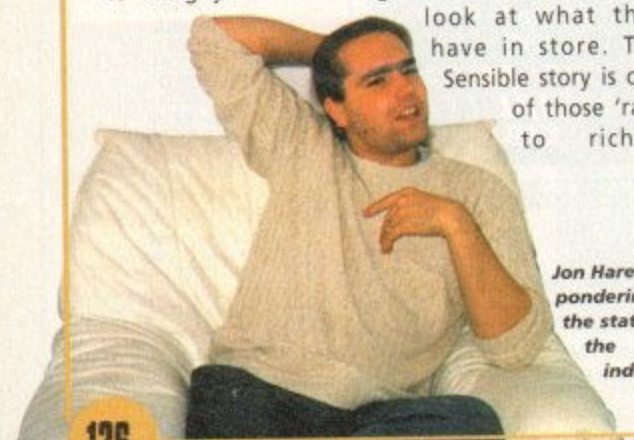


Gareth Lofthouse and Tina Hackett take a trip down Essex way to see the team who gave the industry such classics as Cannon Fodder and Sensible Soccer

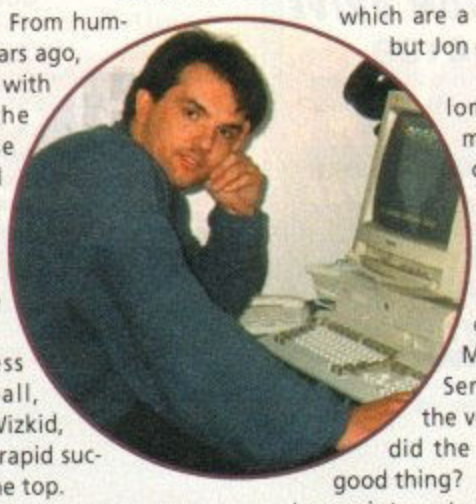
Now we're sensible

Sensiible Software. Top hits like Cannon Fodder, Sensible Soccer and Megalomania immediately spring to mind. Now the software developers from Essex have somewhat of a reputation for quality titles and with a clutch of new games in development there seemed like no better time to pay the not so sensible guys a visit.

Deep in the heart of a picturesque little town called Saffron Walden lies one of the top developing teams for the Amiga. In a plush little office, complete with Pool tables, Pinball Machines and MTV (to aid creativity, of course!) we found the chaps hard at work on their new projects. We talked to the guys behind the games and took a sneaky look at what they have in store. The Sensible story is one of those 'rags to riches' types. Well, pretty close anyway. From humble beginnings just over eight years ago, Jon Hare and Chris Yates started with a meagre £40 a week from the Government's Enterprise Allowance Scheme. They started on the road to game developing stardom with only a handful of releases for the Spectrum and C64, including games like Twister and Parallax.



Jon Hare pondering the state of the industry



Stoo busily at work on the graphics for Sensible Golf

And then the real success started to happen. Wizball, Megalomania, Sensible Soccer, Wizkid, and Cannon Fodder followed in rapid succession and all shot straight to the top.

Their games have many qualities that have contributed to their success. One of the things that Sensible are renowned for is their miniature sprites which are a bit of a curiosity in themselves, but Jon explained.

"They originate from Megalomania. The game underwent a massive design change. They were originally Robots in a Factory and then with five or six months to go we ditched the idea. We thought it would be better to humanise it a bit and use human characters." And thus, Megalomania was born...But then Sensible Soccer appeared bearing the very same sprites. Coincidence? Or did the guys realise they were on to a good thing?

Jon points out: "During development we were playing the Kick Off games a lot. They were bugged so it gave us the inclination to write a good football

game. We saw the sprites in Megalomania and thought they would work well." And obviously they did. Sensible Soccer reached many formats and became a best seller.

Jon explains their appeal: "The smaller the sprite, the more playing area you can see and the better you can plan the tactics. The same is true for Cannon Fodder. You have adequate graphics but top playability. Symbolic graphics work better than realistic ones, take Chess, for example. You have the horses head – it's not realistic but it's artistically pleasing and does its job. If you want realism, then go and do the real thing!

"A lot of money has been wasted on people trying to make things as realistic as possible. Computers should be used to do things nothing else can do. Like with the Chess games or Scrabble, for example, you can play when no-one else wants to – the Artificial Intelligence is used well.

"But why put an Encyclopaedia on a computer when you can't carry it around? Why spend £80 on an interactive movie when you can go down to the shop and buy the film for £8 – and there's no irritating pauses in it?"

CLASSIC

Sensible Software have obviously found a formula that works, so what makes a best seller and what does it take to turn an idea into a classic game?

"A good design evolves. If it doesn't feel right you chuck it. And that's the hard part – after a few months of working on something it's difficult to admit that it's rubbish and just ditch it.

"The actual idea can take ten minutes to think up but up to two years to carry through. It varies – Cannon Fodder took two years and Sensible Soccer took eight months. Keeping your finger on the idea isn't easy."

They've obviously all been successful but which are Jon's personal favourites? "Firstly Wizball because it established us as original developers and secondly,



The familiar Sensi sprites have almost become a trade mark



Sensible's Megalomania started off as robots in a factory

Sensible Soccer because it made us famous!"

Sensible Software have established themselves as top Amiga developers. But in an industry that is forever changing where do they see the future lying? Pointing to the state of the console market, Jon admits: "I'm glad we haven't put much into consoles and I'm glad to see the back of it. It's been marketed like a fashion and it has died like a fashion.

"People are sick of buying things that go out of date. Those outside the industry don't understand how the greed of the hardware companies is causing massive problems. No one knows what's going on – the developers don't know what to develop for, the publishers don't know what to back and the Magazine Houses don't know which magazines to produce."

Jon believes the solution to all this lies rather idealistically with just one ultimate machine: "Hopefully all machines will die out except one. Until then you will never get the best. Once you have top quality graphics, CD quality sound, quick loading and as much memory as possible then that is the ultimate machine and we can concentrate on the software."

And Sensible Software's future? Well, we can expect to see a lot from the team in the not so distant future.

Work in progress

On hearing the latest info on games in progress, the Sensible Software name appeared more than a couple of times so, hot on the trail of the latest, we raced down there to get a sneak preview of what they have in store

Sensible Golf preview

Not content to dominate computer football, our favourite mini-sprites are about to make their mark in the world of golfing. The question is, will the game show the same flair for playability that we've come to expect from Sensible Software?

Sensible have deliberately avoided the simulation approach of some other golfing games. As they say themselves, if you want full realism then you should play real golf.

Rather than incorporating a complicated control system, Sensible have opted for an arcade style of game where players can concentrate on the main challenge, which is to conquer the increasingly fiendish courses.

The computer opponents have accessories ranging from golf bags to posh buggies indicating their level of skill. With 20 courses made out of a combination of 72 holes, there seems to be plenty of depth to keep the player going.



Stoo once again hopes to clear the river. The power-gauge automatically appears in the corner that's least obstructive to the view

The visual style of the game is familiar, giving us the simple overhead view the makers seem to prefer. Complete with seventies' hairdos, the little sprites have miles more character than the Nick Faldo types you get in the sim golf games.

As for the courses, a lot of thought has gone into giving the player a wide variety of challenges. Finding a way round the obstacles should give a satisfying learning experience.



A closer look at the mini-golfers as they attempt to sink the ball

Strength and accuracy of a shot is controlled by the usual sort of power-gauge. However, on some games making a little tap into the hole is nigh impossible because it is so easy to overhit. This flaw has been avoided here.

The sound effects include woodland chirpings – thankfully you will be able to turn them off – and convincing crowd applause that should leave you suitably big-headed when you complete a hole under par.

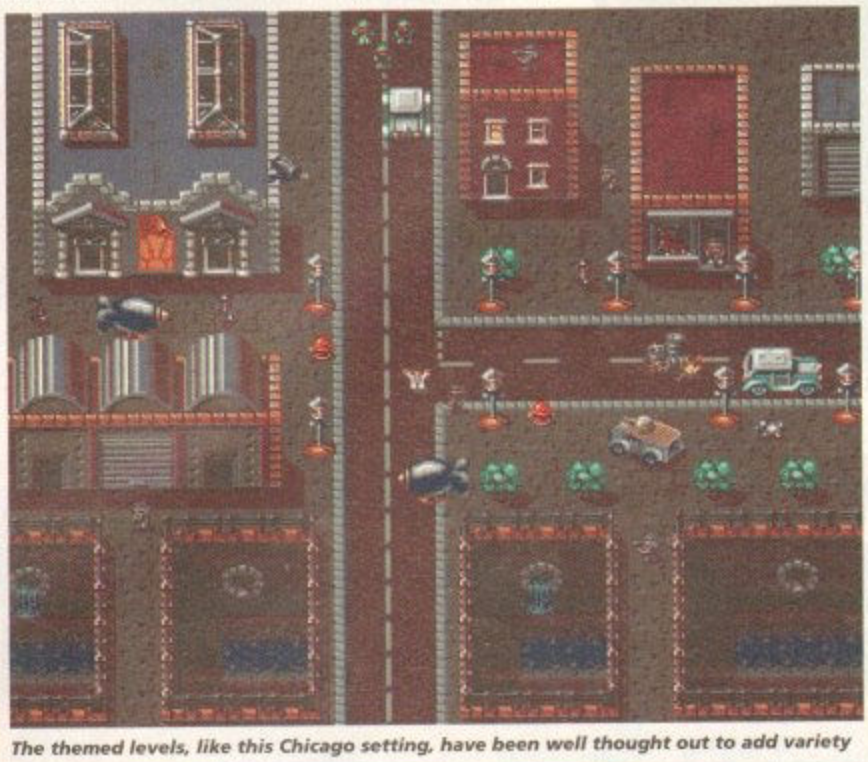
The biggest failing of many golf games arises once the player is putting, because judging the lie of the green is so difficult. This area of Sensi-golf wasn't complete when we saw it, so this will be something to look out for in the full review.

Sensible Software says a reviewable copy will be out soon, so we'll give you the full verdict as soon as possible. For now, though, Sensi-Golf looks very promising.

Cannon Fodder 2 preview

One of the most original games of recent times is Cannon Fodder, a strategy type shoot-'em-up thing. And now Sensible Software are in the process of making the sequel.

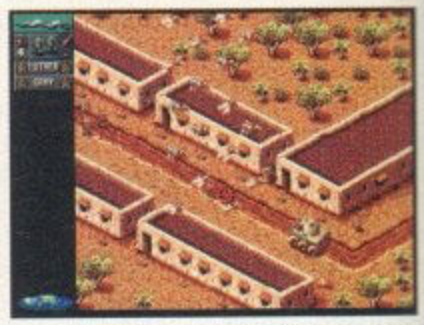
They've used the same game engine as the original, same style of objectives with similar sorts of missions and phases and basically the same great gameplay as the original. So what have they done to the game to warrant a sequel? Well from what we've seen the screenshots look totally different. Don't worry, the same familiar sprites are still there, the overhead view remains the same but now they've added some strange storyline about aliens whisking your troops off to different points in history to prove themselves.



The themed levels, like this Chicago setting, have been well thought out to add variety



The levels will be completely different for a new challenge



The unusual graphical style has been kept for a great looking game

This goes some way to explaining why you end up in these strange scenarios! But this "artistic license" also means lots of great looking and original themed levels.

I mean gone are the usual 'hum-drum' tanks and helicopters – well at least in part anyway – as they have given way to Battering Rams, Witches in bubbles (seriously!) and Airships.

Now we have all sorts of scenarios – Medieval, Beirut, Chicago and Alien Ships indeed. And a lot of the action takes place on top of buildings, keeping the great strategy/shoot-'em-up feel.

So, all in all, from the first impressions we gleaned, the game will have all the appeal and character of the first one, but with totally new levels and more varied settings.



Sensible World of Soccer preview



The original playability has been retained

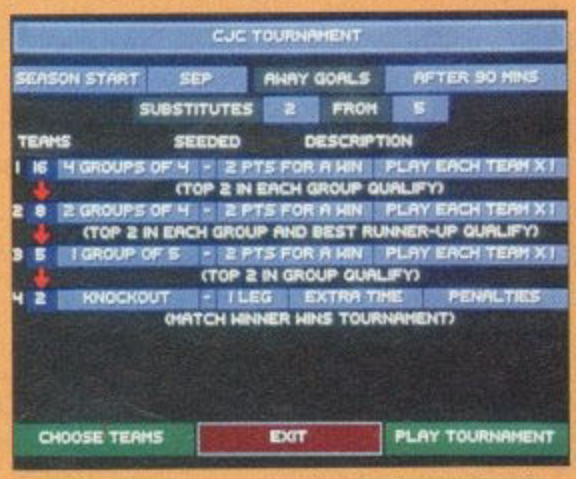
How do you improve on one of the best soccer sims of all time? You can't, can you? Unless, of course, you add a huge chunk of tactics and a tonne of managerial aspects. And that's just what Sensi have gone and done. So whether you are a Mark Hughes or an Alex Ferguson you're every whim is catered for.

If you're statistically minded or just want the odd 'kick-about' then Sensi's sequel provides the perfect opportunity. They've kept the highly popular gameplay of the original, tweaked it up a bit and added a whole host of new features.

The game will contain things like real players with accurate stats. And get this! The players even have the right hair colours (a bit unfortunate for Andy Townsend!) Every detail from their individual skills to the player position is accurate. Considering there are 1,400 teams and over 22,000 real players included this isn't to be sniffed at.

The attention to detail looks to be phenomenal and things like the home crowds cheering louder compared to away fans will be included. Even the crowd will be dressed in the appropriate team colours!

The referee comes complete with his black book and red cards and a there is a physio who rushes on to treat injured players.



There are a huge amount of tournaments, including the option to set up your own



Real players have been included complete with accurate stats!

As for the management side, you can buy and sell players and if a player is on the bench his value goes down.

The game looks to be absolutely huge and playing Manager for a lower Division side means your career should last for twenty seasons – hours and hours of playing time as you can imagine!

The actual gameplay is having new additions such as being able to tap the ball in a more controlled way and the guys are also looking at including "tap headers" which will allow you to head the ball away a shorter distance.

Look forward to this release around October time.

WIZARD GAMES

1 NORTH MARINE ROAD, SCARBOROUGH, NORTH YORKSHIRE. YO12 7EY. Tel:0723 376 586

AMIGA GAMES

A320 Air Bus (US version)	£19.99
Addams Family	£7.99
Afrika Korps	£9.99
Allo Allo	£14.99
Antheads/It Came From The Desert	£9.99
Arabian Knights	£9.99
Arcade Pool	£8.99
Archer Macleans Pool	£10.99
Ashes of Empire	£9.99
Banshee	£17.99
Bart vs The World	£9.99
Bubba 'n' Stix	£9.99
Bump 'n' Burn	£16.99
Cardiax	£7.99
Championship Manager 94 (End of Season Data Disk)	£12.99
Chuck Rock 2	£6.99
Creatures	£5.99
Cruise for a Corpse	£9.99
Crystal Kingdom Dizzy	£6.99
Cyberpunks	£6.99
D. Generation (A1200 only)	£9.99
Darkmere	£12.99
Dinosaur Detective Agency	£9.99
Disposable Hero	£16.99
Donk	£6.99
Doodlebug	£7.99
Dracula	£8.99
Flames of Freedom	£9.99
Frontier (Elite 2)	£19.99
Funschool 2 6-8s	£6.99
Funschool 2 over 8s	£6.99
Funschool 4 7-11 years	£10.99
Global Gladiators	£9.99
Graham Gooch	£12.99
Graham Gooch 2nd Innings	£8.99
Graham Taylor Soccer	£7.99
Heroquest II	£17.99
Heimdall	£7.99
Huckle Berry Hound	£5.99
Humans Jurassic Levels Data Disk	£2.99
Jimmy White's Snooker	£12.99
John Madden Football	£10.99
K240	£17.99
K.G.B.	£11.99
Krusty's Fun House	£9.99
Laser Squad	£7.99
Lotus Trilogy	£12.99
Liverpool	£9.99
Lure of the Temptress	£12.99
Magic Boy + Cool Croc Twins	£12.99
Match Of The Day	£7.99
Manchester United Premier League Champions	£16.99
Mean Arenas	£6.99
Mig 29 Super Fulcrum	£12.99
Never Ending Story (500 only)	£6.99
Nick Faldo's Champs. Golf	£9.99
Nightshift	£12.99
New Zealand Story	£6.99
Pacific Islands	£9.99
Pictionary	£5.99
Powermonger + WW 1	£11.99
Playdays 4 - 7 yrs	£9.99
Premier Manager 2	£8.99
Prime Mover	£9.99
Play & Read 4 to 9 yrs	£9.99
Robocop 3	£10.99
Seek & Destroy	£12.99
Skidmarks	£14.99
Shadow Worlds	£8.99
Simpsons	£6.99
Sim Ant	£9.99
Sim City Architecture 1	£4.99
Sim City Terrain Editor	£4.99
Sleepwalker 1200 Version	£7.99
Snapperazzi	£14.99
Striker	£7.99
Soccer Kid A500/A1200	£12.99
Soccer Team Manager	£10.99
Sootys Fun with Numbers	£9.99
Suburban Commando	£14.99
Summer Camp	£5.99
Supremacy	£10.99
T2 Arcade	£9.99
Thomas Fun with Words	£9.99
Or both for	£15.00
Toki	£7.99
Trivial Pursuit	£6.99
Trolls	£9.99
Thomas The Tank 1 & 2	£12.99
Wembley Int. Soccer	£14.99
Wembley Rugby League	£16.99
Winter Camp	£5.99
Wiz n' Liz	£9.99
World Cup All Time Greats	£10.99
Zool 2	£8.99

CD 32

Alfred Chicken	£15.99
Banshee	£19.99
Brutal Sports Football	£12.99
Bubba & Stix	£9.99
Chuck Rock	£7.99
Deep Core	£9.99
Dennis	£9.99
Disposable Hero	£14.99
Fly Harder	£8.99
Fire Force	£9.99
Legacy of Sorasil	£15.99
Mean Arenas	£9.99
Nick Faldo	£17.99
Premier	£9.99
Striker	£14.99
Summer Olumpix	£9.99
Top Banana CDTV	£4.99
Trivial Pursuit	£12.99
Zool	£14.99

Special Prices

A TRAIN
NOW £9.99

SIM CITY CLASSIC
NOW £9.99

COMPILATIONS

KIDS RULE OK £9.99
Popeye 2/Postman Pat 3/
Sooty & Sweep

DIZZY COLLECTION £10.99
Fast Food/Kwix Snax/Fantasy World
Dizzy/Treasure Island Dizzy/Magicland
Dizzy

SUPER ALL-STARS £10.99
Robin Hood Legend Quest/Magicland
Dizzy/Captain Dynamo/CJ In The USA/
Steg The Slug

CORKERS (1 Meg) £10.99
Blob, Wonder Dog, Blaster, Cyber Punks

TEAM 17 VOLUME 1 £19.99
Superfrog/Overdrive/Body Blows

WORLD CUP YEAR '94 £19.99
Goal, Sensible Soccer, Striker, Champ.
Manager '93 and Champ. Manager '94

EXCELLENT GAMES £16.99
James Pond 2, Archer MacLeans Pool,
Shuttle, Populous 2

THE GREATEST £14.99
Dune, Jimmy White, Lure of the Temptress

MONSTER PACK 2 £10.99
Awesome, Shadow of the Beast 2, Killing
Game Show

ANY 3 FOR £10.00

3D Pool	Fly Harder	Sharkeys Moll
3 Stooges	Heroes of the Lance*	Shoot Em Up Construction Kit
Arnie	Hungary for Fun	Sooty & Sweep
Art of Chess	Hyperion	ST Dragon*
Ballistix	Impossamole	Street Hockey
Beast Busters	Int. Ice Hockey	Sun Crosswords
Big Run	Int. Tennis	SWIV*
Blinky's Scary School	Int. Truck Racing	Track Suit Manager
BSS Jane Seymour	Italia 90*	Times Crosswords
Bullys Sporty Darts	Lotus Esprit*	Titanic Blinky
Collossus Chess*	Mega Motion	Voodoo Nightmare
Cricket	Mercenary 3*	World Championship Boxing
Cyberblast	Monty Python	Manager
Daily Double Horse Racing	Nitro Boost*	World Soccer
Dalek Attack	Plan 9	World Cricket
Doc Croc's Adventures	Puffy's Saga	Xenon
Double Dragon 2*	R Type 2*	
Fast Food Dizzy*	Resolution 101	* Not 1200
Final Blow*	Seymour Saves The Planet	
Firehawk	Sink or Swim	*When ordering please*
Fist Fighter	Spike in Transilvania	*give 1 alternative.*

SPECIALS NOT BOXED

Nigel Mansell	£5.99
Nigel Mansell 1200	£5.99
Zool	£5.99
Zool 1200	£5.99
KIDS PACK	£5.99

Postman Pat, The Munsters, Count Duckula.

Games subject to availability.
Please note - A phone call reserves your order.
Open 6 days a week
9.00 - 5.30
Price inc. P+P (UK).
Europe + £2. Rest Of World £3.50.
Shop prices may vary.
Cheques or Postal Orders Please.
Payable to : Wizard Games.

AUTHORISED DEALER FOR * AMIGA * STAR *

AMIGA

Amiga CD³² Spectacular Voyage Pack	249.00
A1200 Race 'n Chase Pack	299.00
A1200 Combat Pack	339.00

PRINTERS

All printers include a parallel cable

Canon BJ-10sx Bubble Jet	189.00
Canon BJ-200 Bubble Jet + Integral Sht Fdr	239.00
Citizen ABC Colour Printer	169.00
Star LC-100 Colour	129.00
Star LC24-100	135.00
Star LC24-20 Mk II	165.00
Star LC24-30 Colour	209.00
Star LC24-300 Colour	249.00
Star StarJet SJ-48 Bubble Jet	185.00
Star SJ-144 Colour Thermal	225.00

DISK DRIVES

A500/600/1200 3.5" External Drive	(p&p £3) 48.95
A600 or A2000 Internal 3.5" Drives	(p&p £2) 59.95
A500 Internal 3.5" Drives	(p&p £2) 54.95
GVP 120Mb SCSI HDD for A1500/2000/3000/4000	279.00

MISCELLANEOUS

A1200 Hawk RAM + Clock 2/4Mb RAM No FPU	(Free p&p) 139/199
A1200 Hawk RAM + Clock 2Mb RAM + 33MHz 68882 FPU	(Free p&p) 199.00
A1200 Hawk RAM + Clock 4Mb RAM + 33MHz 68882 FPU	(Free p&p) 249.00
A1200 Hawk RAM + Clock 4Mb RAM + 40MHz 68882 FPU	(Free p&p) 289.00
GVP A1230-II 40MHz Accel 68030EC + 0Mb RAM	(Free p&p) 225.00
GVP A1230-II 40MHz Accel 68030EC + 4Mb RAM	(Free p&p) 419.00
A600/1200 PCMCIA Smart Stor 20/30Mb	(p&p £1) 139/169
Anti-Surge 4 x 13 amp Socket Block	(p&p £2) 18.95

CHIPS

Kickstart V2.04 ROM for A500/2000	(Free p&p) 32.00
Kickstart V1.3 ROM for A500/2000	(Free p&p) 15.95
Super Denise 8373 (For New Graphics Modes)	(Free p&p) 19.00
1Mb Fat Agnus 8375	(Free p&p) 19.00
CIA Chip 8520	(Free p&p) 7.95

ALL PRICES INCLUDE 17.5% VAT. CARRIAGE £7. Prices subject to change without notice. E&OE

CD-ROM Drive for A1200

Runs over 90% of CD32 software
Plays Audio CDs, Shows Photo CDs, Plugs into PCMCIA Port
£189.00

SX-1 CD32 Expansion Module

Floppy Port * IDE HDD Port
Keyboard Port * Add up to 8Mb Fast RAM
Serial Port * Parallel Port * Video Port
Real Time Clock
£189.00
Keyboard for above £44

Philips 8833

This popular monitor is back in stock!
Stereo Colour Monitor including Amiga lead
£219.00

Microvitec Series 3 Monitor

Autoscan 0.28 Dot + Two Speakers
Supports Normal, Productivity & AGA Modes, PC Super VGA Compatible
£289.00

(All A4000/1200 Prices include Home Maintenance)

Delta Pi Software Ltd

VISA

8 Ruswarp Lane, WHITBY, N. Yorks YO21 1ND
TEL/FAX: 0947 600065 (9am - 7pm)

MasterCard



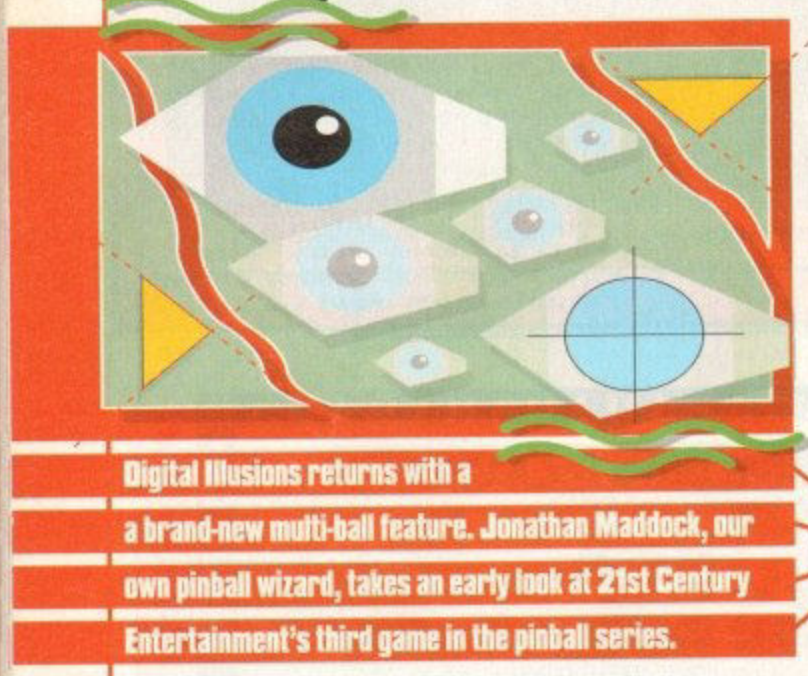
With a name like "Babewatch", don't you get the feeling that Digital Illusions are a male-only development team



Although static in this screenshot, the rendered objects behind the list of tables are a sight to behold

system preview

Pinball



Digital Illusions returns with a a brand-new multi-ball feature. Jonathan Maddock, our own pinball wizard, takes an early look at 21st Century Entertainment's third game in the pinball series.

There was one game that arrived on the Amiga scene a couple of years ago that impressed just about everyone that saw or played it. Pinball Dreams, a game that was so addictive it should've been banned by the Government, but hey they were probably all playing it as well!

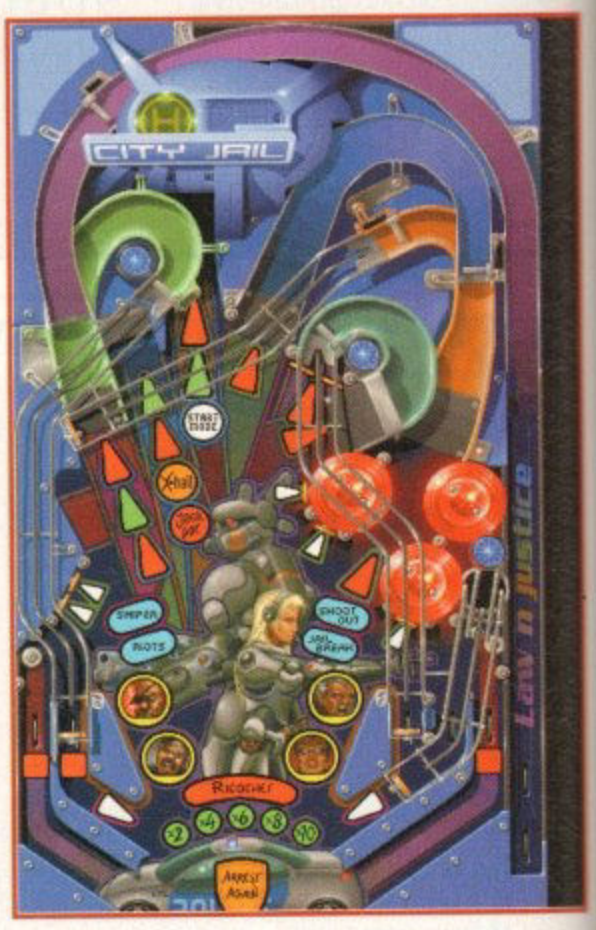
Pinball, as a game on its own, is one of the most addictive and simple games in modern history. Computer gamers' only real chance of playing "ball" was a trip down to the local arcade or pub (depending on how old you were).

This was mainly due to the lack of decent pinball games, simply because the majority of programming teams couldn't handle the complex realistic ball routines. Then Digital Illusions virtually popped up from nowhere and suddenly the gaming world was, at last, presented with a game that was as good as the real thing.

Digital Illusions, a Swedish amalgamation of ex-demo programmers, graphic artists and musicians, used their considerable talents on a product that should have a home in everyone's games collection.

The success of the first game prompted Digital Illusions to create a sequel, Pinball Fantasies, which also received tremendous critical acclaim. Both games went to the top of the charts, picking up several prestigious awards on the way and clocked up over 500,000 sales between them. Believe it or not, the Pinball games are still selling like hot cakes, but avid fans of the product are now thirsting for something new after playing the various tables to death. Then, 21st Century Entertainment latched on to this public "need" and once more turned to Digital Illusions to see if the launch of a third pinball game could be possible. Digital Illusions obviously said "Yes" to 21st Century Entertainment because coming your way in November is Pinball Illusions, which will (that's will, not might) be the ultimate computer pinball game that you've always dreamed about.

After finishing Pinball Fantasies at the end of 1992, Digital Illusions wanted do something different because let's face it, you'd think that the boys on the development crew would be sick of the sight of pinball by now.



The Law 'n' Justice table is set in the future and loosely based around a cyberpunk theme

FEVER

They started work on an adventure/shoot-'em-up provisionally titled Malfunction, but in April 1993 had to put it to one side to start work on Pinball Fantasies for the CD32. It took Digital Illusions four months to complete the task, but by then the boys had got the Pinball fever back and began to think about how to improve their top-selling game.

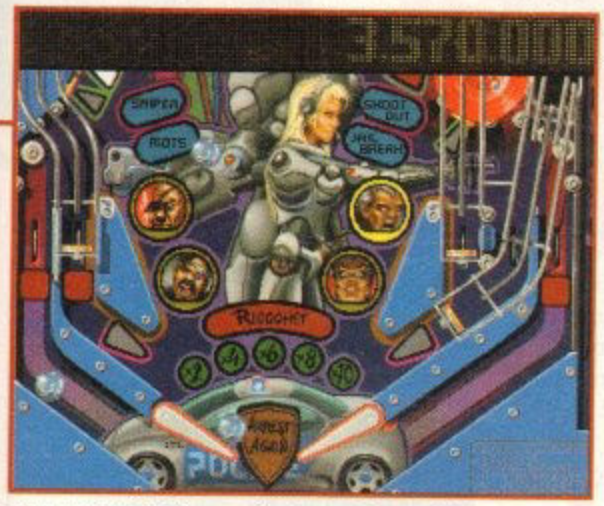
By January of this year, the whole team had moved to Gothenburg and worked on the new game for about four months. A decision was made to scrap the old code, because the basic structure of Fantasies was far too limited to support all the new features.

There was one feature in the new game that fans of the Pinball series had been yearning for. The programmers decided if they couldn't do it, they wouldn't bother doing the third Pinball installment. The feature is, of course, the multi-ball.

By the end of February, the hard-working team had managed to get the multi-ball feature working. From then on two months were spent building up the basic scrolling routines, text printing and effect processing. The new effect system was far more complicated than the two previous attempts.

One of the new effects means that scores can be built up around a mode or sub-game system. These are special events where you have to achieve a certain objective. For instance, you might have to shoot the same ramp five times in 60 seconds to gain the bonus. Some of these sub-games involve the new multi-ball feature and they will change depending on which table you are playing on.

As per usual there will be four new tables. The first one



The "multi-ball" is a new feature and one which is sure to test Amiga pinball players everywhere

Illusions

is based around a cyberpunk theme. You are a cybercop and have to cope with the amount of criminal activity in the city of the future. The second table is looking good and has a beach theme. It's provisionally entitled "Babewatch" and the action centres around a backdrop of beach, burgers, surf and sun.

The other two tables are still in development and have yet to gain their own themes. This is because when the table is first created all that you see is a wire-frame version of the graphics. This is so the table can be tested to see if it works adequately enough, without the fancy graphics getting in the way.

It takes the Digital Illusions team five to six weeks to create just one table. Sometimes they don't even use it in the final version and many tables have been scrapped simply because they weren't good enough or were replaced with a superior one.

During the first week the basic layout of the screen is created and is tested extensively. All the possible shots are attempted to see if things work properly and if they do the team move on into the second week of table development.

The team now work on basic graphics, ramps and mechanical features. This process lasts for two days and during that time Digital Illusions put their heads together and try to think up a specific theme to use with that table. Ideas are implemented and the team try to decide whether they work or not. If not they scrap the idea and try something else.

Into week three and the themed graphics of the table are drawn so that they know what lights and animations are required. The lights are completed soon after, but the graphics take, at least, another week to finish. While these are being completed, the product is continually tested.

The animations take a while to do and while they're being finished off, the pinball table is bug-tested and fixed. Six weeks later, providing there are no hold-ups in the production process, the team have finally completed the table. All that's left for them is to make a start on the other three tables!

Digital Illusions are frantically finishing off Pinball Illusions so that it can gain a November release, and don't be too surprised if you find it at the top of the software charts by the time Santa pops his head down your chimney.

Interactive Distribution Ltd

OFFICIAL DISTRIBUTOR OF FIVE STAR PD
over 4500 disks available at only 99p/disk + 70p p&p per order. Please refer to their advertisement for titles you want to order and then send to us for immediate despatch. Catalogue disk 70p.

CD32 EXPANSION Converts CD32 into A1200

SX-1	**£184.99**	NEW PRODUCT	
Keyboard Black	**£29.99**	**SC-1+kb+4mb+250HD**	**£489.99**
External drive	**££54.99**	**SX-1+kb+2mb+250HD**	**£449.99**

2.5" IDE HARD DRIVES 2 year warranty on most drives

80MB	**£121.99**	**200MB**	**£217.99**	**340MB**	**£CALL**
130MB	**£149.99**	**260MB**	**£269.99**	**512MB**	**£CALL**

3.5" IDE HARD DRIVES

120MB	**£121.99**	**260MB**	**£177.99**	**420MB**	**£206.99**
200MB	**£157.99**	**340MB**	**£189.99**	**540MB**	**£274.99**

RCA 120 MEMORY BOARDS

A1200 compatible. Ram expansion up to 8MB. Sockets for FPU & Oscillator. Battery backed clock.

0MB board	**£57.99**	**2MB board**	**£119.99**
1MB board	**£79.99**	**4MB board**	**£159.99**

EXTERNAL PCMCIA HARD DRIVE DEVICE

Does not invalidate your machine's warranty. Call for prices on hard drives not listed.

Amiquest 0MB	**£64.99**	**Overdrive 0MB**	**£79.99**

Special Offer - deduct £10 off the Amiquest or £15 off the Overdrive if you purchase this item together with any of our Hard Drives!

OVERDRIVE CD ROM DRIVE NEW PRODUCT

Compatible with: CDPU, photo CD, music CDs and over 95% of CD32 games **A1200 £184.99**

MEMORY SIMMs AND FPUs

72pin Simm suitable for A1200/A4000

1MB 32bit Simm	**£34.99**	**20Mhz PLCC/PGA**	**£24.99**
2MB 32bit Simm	**£76.99**	**33Mhz PLCC**	**£59.99**
4MB 32bit Simm	**£122.99**	**40Mhz PLCC**	**£79.99**
8MB 32bit Simm	**£234.99**	**50Mhz PGA**	**£139.99**

MONITORS

Microvitec 1438	Colour multisync	**£294.99**
Sharp	Colour TV/monitor	**£174.99**
Philips 8833 MKII	Colour stereo monitor	**£200.00** NEW

ACCESS FAX MODEMS NEW PRODUCT

High quality Group III 14400bps fax. Hayes compatible. Complete with all comms software.

1414 v32bis - 14400bps	**£149.99**
2814 VFC v32bis - 28800bps	**£239.99**
Fax Software for above	**£44.99**

VIDEO CONSOLES

CD32 + 4 CD games	**£199.99**	**Panasonic 3DO**	**£379.00**
Atari Jaguar	**£219.99**	NEW PRODUCT	

ACCELERATOR BOARDS

A1200 compatible. Ram expansion up to 8Mb/128Mb Sockets for FPU & Oscillator. Battery backed clock.

Viper 030 MkI 0Mb £154.99 **Viper 030 MkII 0Mb £174.99**

SALE ITEMS

A4000/030 BUILT TO YOUR SPEC. **£CALL**

Delivery Charges

Please add £6 to all orders. C.O.D. by arrangement

How to Order

Please make cheques/POs/Building Society Cheque complete with order payable to:
INTERACTIVE DISTRIBUTION LTD.
(Dept. AC), 153-159 Bow Road, London E3 2SE.

Mail Order Tel/Fax: 081 502 5200

LCL announce an incredible new release

CD MICRO FRENCH (Beginners – GCSE) NEW

CD Micro French is a complete course of 30 programs taking beginners up to GCSE in French, following the National Curriculum, for the Amiga CD or CD32. (See the screen shot).

It uses all the features of a CD system, i.e.:

- Interactive film-like programs are included. Actors talk to you out loud and wait for you to reply, before continuing the conversation, in French.
- Extensive French speech by native speakers.



- CD music by musicians who have played with world-famous groups.
- Massive 30 programs.
- Very easy to use, it really teaches you French, and it is great fun.

Also new interactive real speech in Amiga courses (where required)



Reach the top

LCL Self-tuition courses will open up a whole new world for you as each course is specifically designed to take beginners up to a recognised level (such as GCSE, A-Level or National Curriculum tests) in a fun but effective way.

Everything you are likely to need is included – you don't have to keep buying new packs. Each course includes an incredible 24 programs or tutorials, and even a book.

They are the most comprehensive courses of their type available – and yet amazingly, because of their established volume sales – they cost LESS.

Choose from the largest popular range of GCSE courses in the world:

- MICRO FRENCH (Beginners – GCSE) 95% Am. Comp.
- MICRO MATHS (11 years – GCSE)
- MICRO SPANISH (Beginners – GCSE & Business) 95% Am. Comp.
- MICRO SCIENCE (8 years – GCSE)
- MICRO GERMAN (Beginners – GCSE & Business) 95% Am. Comp.
- PRIMARY MATHS COURSE (3-12 years)
- MICRO ENGLISH (8 years – GCSE)
- MEGA MATHS (A level course)

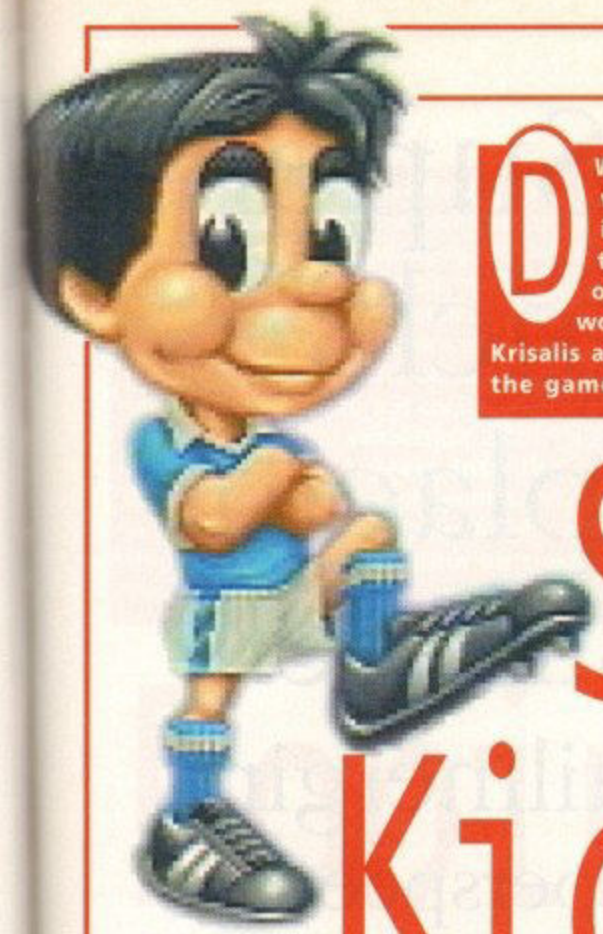
£5 OFF TOTAL FOR 2 COURSES, £10 OFF FOR 3, £17 OFF FOR 4

Only £24.99 per floppy disk course. Only £34.99 for CD Course (U.K.). Overseas, add £2 per course.

Cheques payable to LCL. Free catalogue

Send orders to:
LCL (Dept AMC), Thames House, 73 Blandy Road, Henley-on-Thames, Oxon RG9 1QB.

VISA Phone 0491 579345 (sent in 24 hrs.) LCL



INTRODUCTION

With the World Cup now well and gone, you'd think it'd be a pretty stupid time to release yet another piece of software based on the wonderful game of football. Krisalis aren't that stupid because the game they've got for you is Soccer Kid, this time putting in a new and enhanced star appearance on the CD32.

First time around, Soccer Kid was acclaimed by punters and reviewers alike for its amazing array of cartoon quality graphics, its superb soundtrack and the fact that it wasn't just another platform game.

Krisalis, keen supporters of the CD32, have now made major improvements in the graphics and sound departments.

Soccer Kid CD32

Krisalis' Soccer Kid, a platformer applauded by just about everybody last year, has been transferred to the CD32. Jonathan Maddock checks out the new signing

SOUND

The soundtrack in the normal Amiga versions of Soccer Kid was fairly spectacular, with a selection of funk guitar samples played against a thumping dance beat. It has to be said that the tune ranks as one of the greatest ever Amiga musical moments

Krisalis now have access to CD technology and thus have the ability to make their music even sweeter. Having said that, the tune isn't vastly different from the A500/A1200 versions, but the actual quality of sound is far superior.

Another sound introduction is the inclusion of speech into the various animations. The various snippets of speech won't make your ears pop out, but they do add to the whole presentation of the product.

87%



The "kid" shows off his considerable talents in the skill department with a fancy overhead kick. Good work fella!



Throughout the level, Soccer Kid must pick up the various football cards in order to gain a massive bonus at the end of the level

GRAPHICS

The first thing that hits you is the introduction sequence which has been created by Catalyst Pictures. The actual sprites and standard of animation was almost as close as an actual cartoon when Soccer Kid first exploded on to the Amiga, but now Krisalis have taken the graphics a further step forward.



A clip of Soccer Kid taken from the brilliant introduction sequence, lovingly created by Catalyst Pictures

The introduction animation is an actual cartoon. It tells the story of how the World Cup was taken by aliens and then spread, by accident, throughout the various countries. The animation, at times, is as smooth as anything you'd see on television, but sometimes it does slow down – that's down to the CD technology rather than the actual animation.

As well as the introduction cartoon, there are several others which happen when something significant occurs. For example, short animations are presented when you complete the level and when you eventually run out of lives. A fantastic end animation is also in there, but I've not been good enough to complete the whole game to see it.

85%

OPINION

88%

Soccer Kid is one of the Amiga's best platform games and the transition to CD has only enhanced the product even further. The graphics are beautiful, the sound is of the highest quality, but remember, just because the presentation aspects of the game are superb this doesn't mean that it plays well. Lucky for you then that Soccer Kid is capable of doing both tasks extremely well.

The main character can do various tricks with the ball and although it'll take you a while to get the hang of all the moves via the joypad, it will at the end of the day become second nature to you. The only really bad point about Soccer Kid is that the difficulty level is set too high during the beginning stages, but then again people are always complaining that platformers are too easy to complete anyway.

If you're looking for an original platformer with bags of style and class that'll give you hours of entertainment, then I guess this is the essential CD32 purchase for the month.



Publisher: Krisalis
Developer: Krisalis
Disks: 1
Price: £25.99
Genre: Platform
Hard disk install: N/A
Control system: Joypad
Supports: CD32
Recommended: N/A

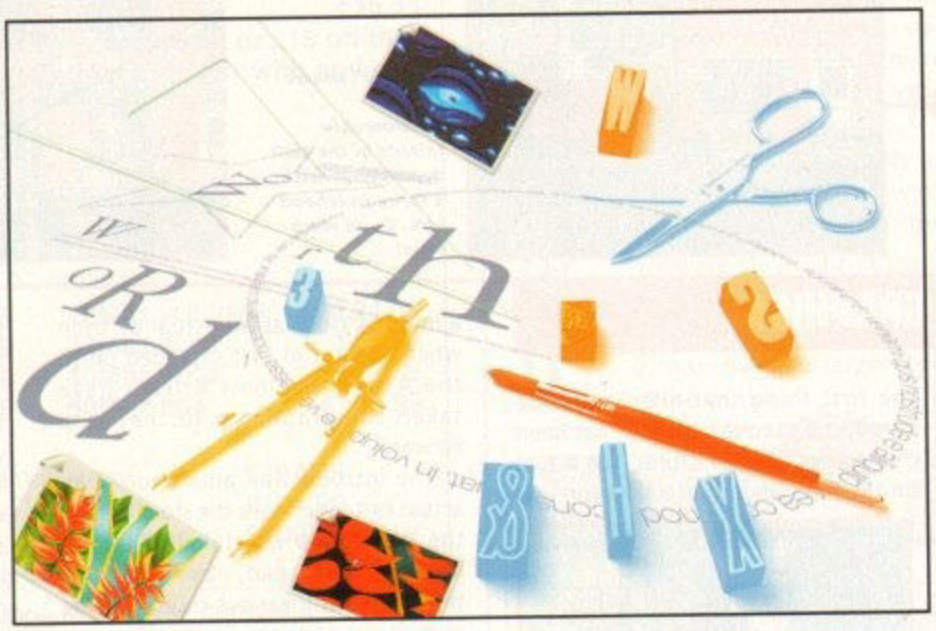
WordprocessinSuper printinNumbercrunchin LinedrawinPictureplacin TexteffectinDigisensinSpell checkinAutocorrectinMailmergin SpreadsheetinDragndroppinSuperspeedin

Wordworth, more than words can say.

In other words, new Wordworth® 3.1 is faster, friendlier, and even more powerful.

It's faster, like Find And Replace for example, which is now more than 40 times quicker.

It's friendlier, when you consider the advanced on-line help tutorials, intuitive editing and unrivalled technical support (after all, with more than 175,000 users, Wordworth is the Amiga's favourite word processor).



It's more powerful, with new features like: landscape printing • drag and drop editing • new commands • better text filters • improved memory and floppy disk usage • enhanced PostScript support.

Upgrades start from as little as £14.99, and if you use another word processor, you can trade up for just £59. For more information call 0395 270273, or write to Digita®, FREEPOST, Exmouth EX8 2YZ.

With Wordworth 3.1, the world's best-selling Amiga word processor has just become better than words can say.

Wordworth *3.1*

DIGITA® INTERNATIONAL

Digita International Limited,
Black Horse House, Exmouth EX8 1JL
Telephone: 0395 270273, Facsimile: 0395 268893

©Copyright 1994 Digita International Limited. All rights reserved. No part of this advert can be reproduced or copied in any way whatsoever. Wordworth, Digita and the Digita logo are registered trademarks, DigiSense and TextEffects are trademarks of Digita Holdings Limited. All other trademarks and their owners are acknowledged. Sold subject to standard conditions of sale. E & OE

INTRODUCTION

Over the last few years the 3D RPG/adventure game scene has been positively pulsating, but now games houses are having trouble coming up with original products. Steering away from dungeons, dragons, wizards and witches, Silmarils, the creator of the Ishar series of adventures, has come up with a game billed as a survival simulation.

Set many light years into the future, Robinson's Requiem tests your survival skills in an alien world. The game begins after the ship you've been travelling on crash lands. You're equipped with a survival kit which is minimally packed with various medicines and tools. You've also got a micro-computer secured to your chest to keep you informed of your physiological condition, but apart from that it's up to you to stay alive.

The aim of the game is self-preservation and to survive you must escape from the alien world. Robinson's Requiem certainly looks, on the surface anyway, to be a highly original adventure, but first it has to survive System's critical eye.



The main options screen where the detail level and size of the screen can be altered to suit your machine



Click on the map icon and you can move your character easily around the screen



Use your knife on the trees and you'll obtain leaves which can be used to make a hat

Robinson's Requiem

You've crash-landed on an alien planet with only a medi-kit for survival. What do you do? Jonathan Maddock panics.



Publisher: Daze
Developer: Silmarils
Disks: 7
Price: £32.99 (£32.99 AGA machines)
Genre: RPG /Adventure
Hard disk install: Yes
Control system: Mouse
Supports: A500/600 A1200/A4000
Recommended: 68020 upwards

GRAPHICS

Before the adventure kicks off you're treated to a short, but beautifully presented ray-traced animation of the crash-landing. This superbly crafted introduction sets the atmosphere for the forthcoming simulation and I was suitably impressed.

Into the game and you have a choice of graphics mode. The detail level can be set between low and high and the screen size can be swapped between small and large. Obviously the game runs faster with a low-detailed small screen, but then you don't get high quality graphics. Users will have to fiddle around with the controls to find the best set-up for your machine.

The icons on the side of the screen are nicely done and this makes the game look a bit more polished on the presentation side. On the whole the graphics aren't too bad, but they suffer badly at times and appear "blocky" when objects on the screen get too close.

66%

SOUND

There are plenty of atmospheric tunes to let your ears peruse over, but if you don't like them you have, at least, got the option to turn them off. In-game sound effects change depending on just where you are in the alien world.

If you find a lake you'll hear the sound of running water and the closer you get the louder it becomes. Prehistoric birds squawk in the distance and other alien animals growl at you, and although these creatures might not be anywhere near you, this gives you a certain amount of anxiety.

The sound works well in Robinson's Requiem, but don't expect it to set your ears alight with grandiose musical scores.

72%

OPINION **75%**

Robinson's Requiem is a highly original RPG/adventure and playing it is an entirely new gaming experience. The major problem though is the fact that you must sacrifice the quality of graphics so that the game runs at a reasonable speed. This is a shame, but for users of higher-grade machines this won't be too much of an obstacle.

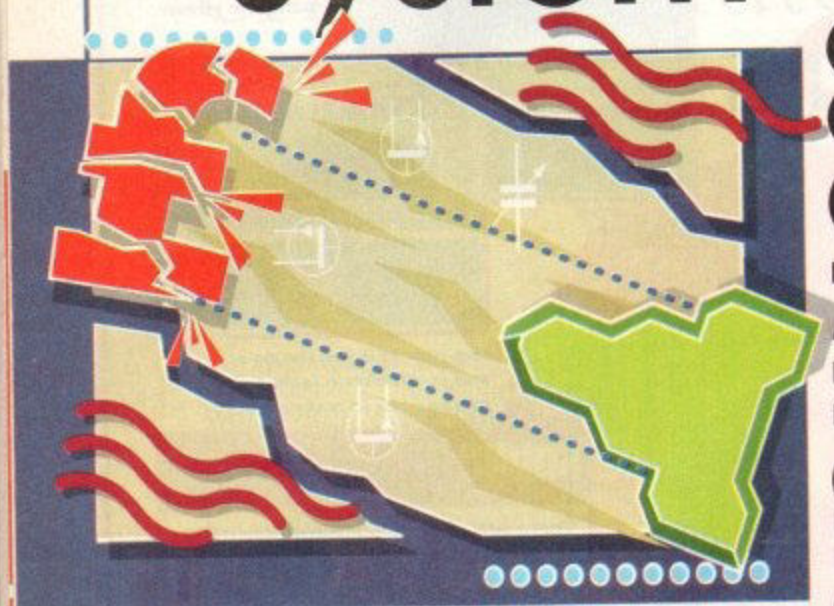
Silmarils adventure is also one of the toughest games I've played in ages and issues a challenge that'll have you playing it for ages. Pansy games-players might want to steer clear, but adventure game veterans might want to check Robinson's Requiem out.





Just one of the well-drawn screens out of the hundreds you'll encounter.

system essentials



System's here once again to give you the low-down on the latest budget releases and CD32 conversions. This month pick from a superior puzzler or a mind-numbingly violent classic.

Simon the Sorceror



Back in our May issue, Simon the Sorceror gained acclaim marking it out as one of the best adventure titles available on the Amiga. Now it's available for the CD32 with the addition of a "full talkie soundtrack".

The background story is very simple. Receiving a note from a wizard named Calypso, Simon becomes involved in a quest to deliver the land of Fleur Deli from the evil sorceror Sordid.

Original, no ? Well perhaps not, but from this unpromising start things become more engrossing as your travels through the land unfold increasingly tricky twists and turns.

The appearance hasn't really changed, but Simon remains a visually appealing title. A range of fantastic characters and atmospheric settings are combined with rare attention to detail.

Many adventures try to enliven the proceedings with a touch of humour, but the jokes all too often fall flat. Simon is an exception because, like the classic Monkey Island, it actually is funny.

This aspect of the game is greatly enhanced since the character of Simon is played by Chris Barrie of Red Dwarf fame. Speech in games can be a gimmick but hearing the sarcastic banter of characters in this version creates a fresh appeal.

In fact, it is clear that a lot of work has gone into this area. When talking to a character, you have a large enough choice of responses to give the illusion of real control over a conversation.

Considering that speech has been added, it's a shame they didn't add a greater variety of music, because the tunes you're stuck with really begin to grate after a while. Still, this is more of a gripe than a serious complaint.

Though light-hearted in approach, there's nothing easy about the puzzles in this game. Those strange folk who enjoy the brain-bursting frustration of a tough adventure will not be dissatisfied.

Simon the Sorceror was a good game before. With the inclusion of speech, the game has been significantly improved and should be considered by any CD32 owner who has missed out on the fun before.

80%

- Publisher: Adventure Soft
- Developer: In-house
- Disks 1
- Price: £39.99
- Genre: Graphic adventure
- Hard disk install: N/A
- Control system: Control pad
- Supports: CD32
- Recommended: N/A

Body Blows AGA



Though its been around for some time now, this game is still considered by many as the beat-'em-up for the Amiga. Already superior to the poor conversion of Street Fighter II, Team 17 now offers the game at a bargain price.

Graphics and animation are of a high standard though you'll be disappointed if you're expecting a gore-fest. Fights take place against backdrops ranging from battleships to boxing rings.

Kicks and punches are accompanied by suitably violent sounds and the music is passable. The digital speech on the other hand is often incomprehensible.

There is a choice of ten fighters to pit against each other, most of them possessing different styles of fighting and individual special moves.

Having said this, there isn't much difference between certain fighters apart from the clothes they're wearing. This fault might have been overcome if they'd introduced a few of the CD32 version's extra characters. In addition to the two player and tournament modes, a new Tag Team option has been imported from the CD32 version. Two humans can play a tag team of up to ten members.

When a team member is defeated the next character enters and so on until all the team has fought. If a fighter wins he gains an extra energy bonus for use in the next fight.

Another welcome addition is the option to install the game onto the hard-drive. This should prove welcome as without it there's a lot of irritating disk-swapping.

So many games in this genre have been released in the last few years that it's going to take something special to overcome that jaded feeling.

Body Blows AGA doesn't pretend to offer much that is new, but it remains one of the best of its type on the Amiga. If you've managed to avoid overdosing on this sort of game so far, then at this price it's a must.

80%



Another one bites the dust!

- Publisher: Team 17
- Developer: Blue-Byte
- Disks: 3
- Price: £14.99
- Genre: Beat-'em-up
- Hard disk install: Yes
- Control system: Joystick
- Supports: A1200/A4000
- Recommended: 68020

OPEN ALL HOURS

WELL, NEARLY!
9am-10pm Mon-Sat
10am-6pm Sunday

SPECIAL OFFERS!!

IDE HARD DRIVES FOR A600/A1200

170 MB	£139
245 MB	£159
345 MB	£189
420 MB	£219

Including free collection and fitting service if required (3 working days turnaround).

A1200 RAM EXPANSIONS

2Mb	£109.95
4Mb	£174.95

Including battery backed clock and socket for optional FPU

PRINTERS & RIBBONS

Star LC100 Colour	£134.00
Star LC24-30 + Auto Sheet Feeder	£209.00
Seikosha SL95 24 Pin Col	£189.00
HP310 Colour Inkjet	£229.00
HP310 + Auto Sheet Feeder	£269.00
Star LC24-200 Colour	£274.00

WE STOCK A WIDE RANGE OF RIBBONS AT LOW PRICES – PLEASE CALL

LEADS & CABLES

Printer	£3.99
Serial	£4.99
Null Modem	£5.99
Joystick Extender 3 metre	£3.99
Joystick/Mouse Extender	£3.99
Amiga to SCART	£7.99
Amiga to 1084S/8833	£7.99
Analog Joystick Adapter	£4.99
4 Player Adapter	£5.99
Parnet Cable	£8.99

LOOK! LOOK! LOOK!

TRACTORFEED DISK LABELS

Now you can print your own professional disk labels! 500 Plain white disk labels on tractor feed, complete with FOUR disks of software and artwork.

Yours for ONLY
£9.95
1000 Labels with software
ONLY £13.50

AMIGA HARDWARE

A1200 Race and Chase Pack	£289.95
A1200 Innovations	£329.95
CD32 + Software	£249.00
Amiga A4000	£Phone
Microvitec 1438 Monitor	£295.00
Cubscan 1440 Multisync	£399.95
External Floppy + Virus Killer	£56.95
A500 Internal Floppy Drive	£48.95
A500 512K Ram Exp. + Clock	£23.50
A500 1.5 Meg Ram Exp.	£76.95
A500+ 1 Meg Ram Exp.	£29.00
A600 1 Meg Ram Exp.	£29.00
A1200 2 Meg Ram Exp+Clock	£109.95
A1200 4 Meg Ram Exp+Clock	£174.95
A500/A600/A1200 Power Supply	£29.95

DISKS & LABELS

DSDD		27p
DSHD		39p
STAR BUY	100 DSDD +100 CAP	£29.99
DSDD	Rainbow Disks	39p

FUJI BRANDED

DSDD	Box of 10	£3.20
DSHD	Box of 10	£5.99

All disks guaranteed error free

1000 3.5" DISK LABELS	£5.99
1000 3.5" TRACTOR FEED	£7.99

STORAGE BOXES

Most types are available for 3.5" or 5.25" disks.

10 capacity	£0.95
20 capacity	£1.95
40 capacity	£3.49
50 capacity	£3.95
100 capacity	£4.50
80 capacity Banx drawer	£8.49
150 capacity Posso drawer	£15.95
200 capacity drawer	£11.95

VISIT OUR SHOP

9.30am-5.30pm Mon-Sat, 9.00am-1.00pm Thurs



MISCELLANEOUS

Mousehouse	£1.80
Mousemat 6mm thick	£1.00
Mousemat 9mm thick	£2.50
Diskdrive cleaner	£1.80
A500 Dustcover	£3.50
A600 Dustcover	£3.50
A1200 Dustcover	£3.50
Monitor Dustcover	£3.50
LC20 Dustcover	£3.50
LC100 Dustcover	£3.50
LC200 Dustcover	£3.50
LC24-200 Dustcover	£3.50
Roboshift	£13.95
Amiga Lightpen	£29.95
Optical Mouse	£32.00
Manhattan Mouse	£9.99
Megamouse 400 DPI	£12.95
Point Mouse	£12.95
Alfadata Trackball	£26.95
Crystal Trackball	£32.00
Zydek/Truedox Trackball	£25.95
Zyfi Amp/Speakers	£34.95
Zydek Pro Speakers	£49.00
Action Replay Mk III	£56.95
Midi Master	£26.00
Tilt/Turn Monitor Stand	£9.95
2-piece Printer Stand	£3.49
Metal Printer Stand	£8.99
A4 Copyholder	£5.99
Metal Angle Poise Copy Holder	£14.95
Microperf Tractorfeed Paper: 500 sheets	£4.50
2000 sheets	£14.95

JOYSTICKS

All joysticks have autofire feature except those marked *

Trigger Grip Models

Quickshot turbo	£6.95
Python 1M	£7.95
Jetfighter	£11.95
Topstar	£18.95
Sigma Ray	£14.95

Base Fire Button Models

Maverick 1M	£12.95
Megastar	£21.50
Zipstick	£11.95
Comp Pro 5000*	£10.95
Comp Pro Extra	£12.95
Comp Pro Star	£12.95
Cruiser Multicolour*	£9.95
Advanced Gravis Black	£24.95
Advanced Gravis Clear	£27.95
Comp Pro Star MINI	£14.95
Aviator 1 Flightyoke	£22.95

Handheld Models

Speedking	£10.50
Navigator	£13.95
Bug	£11.95

ANALOG JOYSTICKS

These Joysticks will fit any Amiga

Gravis Analogue Pro	£39.00
Warrior 5	£14.95
Saitek Megagrip 3	£19.50
Speedking Analog	£13.95
Intruder 5	£25.50

Adaptor to use any PC analog joystick on an Amiga.....ONLY £4.99

Direct COMPUTER SUPPLIES

0782 206808 - Anytime
0782 642497 - 9.00am-5.30pm Weekdays
0630 653193/0782 320111 - Evenings & Weekends

BUSINESS HOURS
9am to 10pm Mon-Sat, 10am to 6pm Sun
All items and offers subject to availability. E&OE
48 Hour Delivery £3.30; 24 Hour Delivery £3.75
We accept POs, cheques & credit cards
Please write Cheque Card Number on cheque for instant clearance

BUSINESS AND EDUCATION ORDERS WELCOME All Prices Inc VAT

DIRECT COMPUTER SUPPLIES 36 HOPE STREET, HANLEY, STOKE-ON-TRENT ST1 5BS

AMIGA Snippets COMPUTING

To place an ad on this page call Barbara Newall on 0625 878888

Copy dates:

Xmas	24 Oct	On sale 17 Nov
Jan	21 Nov	On sale 15 Dec
Feb	14 Dec	On sale 12 Jan

Free typesetting service provided

49.5mm x 35mm

103mm x 35mm

49.5mm x 74mm

FREE PD SOFTWARE

AMIGA - PC - All Commodore

One third year subscription Sept-Dec £8.50 UK only

Call (081) 651 5436 or

Write to 45 Brookscroft, Linton Glade, Croydon CR0 9NA

Independent Commodore Products Users Group

MegaSoft

Public Domain computer software at a low price

Disk prices: £1 per disk if you order 10 or more disks, or £1.20 if you order under 10

Send two 1st class stamps or 50p to:

78 Bockingham Green, Basildon, Essex SS13 1PF

Tel: (0268) 559164

Postal Costs: 30p UK, 50p Europe, £1.00 Rest of World.

Official distributors of the Zircon Amiga Magazine - Call for details

---

CAPRI CD DISTRIBUTION

Commodore CDTV INTERACTIVE — ALL AVAILABLE TITLES IN STOCK — AMIGA CD32

70+ CDTV titles (most compatible with CD32)

90+ CD32 TITLES/30+ VIDEO CD TITLES

NEW CD RELEASES

Amos PD CD	£19.99	CDPD 4	£19.99
Fonts CD	£9.99	Sound Terrific	£19.99
Assassins CD	£19.99	Aminet 3	£19.99
Simon the Sorceror	£39.99	Clip Art CD	£9.99
Arcade Pool	£14.99	Superfrog	£14.99

AMIGA CD OFFERS

Lemmings	£9.99	Psycho Killer	£19.99
Town with no name	£19.99	North Polar	£24.99
Japan World	£34.99	Guy Spy	£14.99
Zool 2	£9.99	Pinball Fantasies	£19.99

This is just a small selection of the titles & special offers we have. Please write or ring for the latest list. We also stock the complete Almathera, Optonica & Weird Science ranges.

CAPRI CD DISTRIBUTION

Dept AC6, 9 Capri House, Dean Street, Marlow, Bucks. SL7 3AA

TEL/FAX: 0628 891022

TRADE ENQUIRIES WELCOME

WE ARE AMIGAHOLICS

NO PCs NO MEGA SEEDYs

100% AMIGAs

Tell us about your Amiga setup. We want to help you get the best out of it.

SEND FOR FULL LIST, SAE or 50p

Here is just a small selection:-

UTILITIES:

Magic W/Bench..Improve your looks!!
Communicate.....Learn sign language
Superdark.....The screen blanker
Viewtec.....Picture viewer
Superduper.....Discopier
Magic Menus.....Improve pull-down menus
Final Wrapper.....Spiral text for 'Final Writer'

DEMOS+

Breadtaker (SD) AGA needs 4 meg last, Love (2D), Full Moon, 9 Fingers, ALL AGA. Anarchy '3D Demo', Andromeda 'DOS', Digital 'Lethal Ext', Rage 'Alchemy'.

NEW VENTAXA CRUSADE GAMES DISCS:

Head to Head.....2 Player games
Brain Strain.....Puzzles etc.
Six by Two.....Various

Tell us what you want & we will try to fill a disc for you

1 Disc £1.50
Each extra disc £1.00
Order 5 get 1 FREE
Order 10 get 2 FREE
Order 15 get 3 FREE
Order 20 get 5 FREE

P.S. GOOD LUCK TO AMIGA INTERNATIONAL

Send Cheques, POs to:
AMIGAHOLICS P.D.
Dept. AC,
236 CHESTER ROAD NORTH,
KIDDERMINSTER, WORCS. DY10 1TE

FREE P&P

All trademarks acknowledged

HORNESOFT PD

Est 1990

23 Stanwell Close Dept AMC, Wincobank, Sheffield S9 1PZ

Tel. 0742 492950

ALL LATEST DEMOS, UTILS, GAMES AVAILABLE ASSASSINS GAMES UPTO 196+ AND LOTS MORE.

SEND S.A.E. + DISK TO ABOVE ADDRESS FOR A FREE CATALOGUE OR SEND 3 x 1st CLASS STAMPS, OR PHONE FOR FREE CATALOGUE.

OPERATION FIRESTORM
A COMMERCIAL QUALITY GAME LIKE GREEN BERET ON C64/LIKE FIREFORCE ON AMIGA. LOTS OF POWER UPS, WEAPONS ECT. EASILY WORTH £10.00 + BUT ITS ONLY AVAILABLE FROM HORNESOFT PD FOR JUST £2.50 INC POSTAGE CHEQUES/P.O. PAYABLE TO HORNESOFT PD.

11,800 DISKS AVAILABLE

ALSO F1 LICENCEWARE AVAILABLE AND LOTS, LOTS, MORE

THE ONLY PD LIBRARY YOU WILL EVER NEED PROBABLY!!

FAST, FRIENDLY SERVICE, 24 HR DESPATCH

BAK DISTRIBUTION

Telephone or Fax 0246 290860

AMIGA POWER SUPPLY £27.50

Direct from manufacturer, built to British Standards

3.5" DS/DD DISKS
10 for £4.00
50 for £19.50
100 for £35.00

OTHER ACCESSORIES
Dust Covers £2.99
Mouse/JS Port Extension (6") £2.99
Joystick Extension Lead £2.99
Single Phono to Phono Lead £1.99
Modulator/Disk Drive Extension £9.99
Parallel Printer Cable £6.99
Mouse Mat £2.99
3.5" Disk Drive Cleaner £1.99
Furry Mouse Cover £1.99
100 3.5" Disk Labels £1.99
Disk box 99p

New! New! New! New! New!
the ABC
The Amiga Buyer's Compendium
Over 100 suppliers, Over 1,000 products
Save time!!! Save money!!!
Introductory offer £4.95 post and packing included
A must for all Amiga enthusiasts

PUBLIC DOMAIN/ SHAREWARE
★ 90p per disk or less ★
Too many titles to list!
Over 2,000 and growing monthly

STOCK CLEARANCE GAMES
Amiga Disk, CD32, CD ROM, Sega Megadrive, Super NES etc.
Over 100 titles while stocks last!
Many at half current retail price

ADDING MORE EVERY MONTH!

Send Cheque/Postal Order to BAK Distribution, 120 Sheffield Road, Dronfield, Sheffield S18 6GG

Send 25p stamp stating which computer, for FREE catalogue disk of software & list of accessories. Post/Packing 50p minimum or 10% of order value

---

Lazycat PD

Run by Dave and Joan Collins

P.D. DISKS 85p p&p 50p

A4 size order form + addressed envelope provided with every order despatched. All orders sent return of post. Cat. disk 50p or 2 x 1st class stamps, updated every month send to:

29 Woodville, Barnstaple, N. Devon EX31 2HH

Make Cheques payable to D. R. Collins

UTILITIES
Sid II
Kick Start 1.3
Mighty Cheats
Edword Pro
D. Copy 3.1
Letters
Messy Sid 2
LittleOffice
Virus Book
Virus Checker V6.34
Printer Drivers 2
Darkstar Utils. 3 disks

OTHER STUFF
D. Solve
Crossword
Home Wine Making
Basic Tutor
Highway Code
Crazy Sue Goes On
101 PD Docs
Workbench Games
Chess Helper
Cats Slideshow
Girls of Sport
Arts of Sound Samples 1-6
Med 3.2 Music Tracker

Catalogue Disk free with orders over 3 disks. Send to address

---

GVB-PD

DEPT. AC12, 43 BADGER CLOSE, MAIDENHEAD, BERKSHIRE SL6 2TE UK

I STOCK FRED FISH 1 - 1000

I STOCK ASSASSINS GAMES DISKS 1 - 202

No minimum order

All orders sent first class

FOR A CATALOGUE DISK

PLEASE SEND 3 FIRST CLASS STAMPS OR 4 FIRST CLASS STAMPS FOR CAT & FISH CAT

0831 - 649386

BUS STOP PD

What do you want from a PD Library?

- 24 Hour Turnaround?
- Possibly the best catalogue in the country?
- Friendly service run by Women?

All this for 90p per disk?

Then send 50p + SAE for our catalogue of 2000 + disks to:

Dept CO, 2 Wycliffe Terrace, Gilmorton Road, Lutterworth, Leicester, LE17 4DX

ALMOND P.D.

19 JUNIPER GROVE, LIVINGSTON EH54 5JF TEL: 0506 442165

UTILITIES, MUSIC, SLIDESHOWS, GAMES, DEMOS, CLIPART, ANIMATIONS, AGATRON, FRED FISH, ASSASSINS, T/BAG.

P.D. PRICES 75p PER DISK. CATALOGUE DISKS 70p

DISCOUNTS ON LARGE ORDERS

POSTAGE 60p UK

SPECIAL OFFER: BUY 10 DISKS GET 1 FREE
BUY 20 DISKS GET 2 FREE

MAKE CHEQUES/P. ORDERS TO: M. DOYLE

Real Time Clock

A1200/A600/A500

This compact battery-backed clock measures just 7 x 6 x 2 cms! Installation is easy, it simply fits onto the parallel port (keeping your warranty intact), and incorporates a throughport enabling all other peripherals to be used.
It comes complete with a disk containing some useful utilities, including a calendar/diary program with a multiple alarm facility.

Now just: **£13.99** inc VAT (plus £1 p&p)

Please make cheques/PO payable to Kyte Products, 45 St Ladoc Road, Keynsham, Avon BS18 2DR
Tel: (0272) 400805



...STILL THE BEST

COMPUTE-A-RACE+ £19.99

THE FINAL EDITION

COMPUTE-A-RACE+ offers unrivalled accuracy and unbeatable value. (Amiga only)

WHAT DOES IT DO?

COMPUTE-A-RACE+ is a Horse Racing Prediction Program that can forecast races, select bets, calculate return and much more.

IS IT COMPLICATED TO USE?

No. Features an ease of use. Within days inputting a race will be second nature.

WHEN SHOULD I ORDER?

Now. Betting for profit IS betting for fun.

Cheques/P.O. payable to HANDISOFT (Mail Order ONLY)
Handisoft, 37 Hearsall Lane, Spon End, Coventry. CV5 6HF

KEW=II SOFTWARE

Est. 1989

THE BEST QUALITY PD & SHAREWARE

The LEADER – OTHERS CAN ONLY FOLLOW!

FREE FRIENDLY HELP BY POST or PHONE ANYTIME!
FREE CLUB MEMBERSHIP

PICK YOUR OWN PROGRAMS!
BY NAME NUMBER AND SIZE!
IT'S EASY!
500k makes 1 bootable disk!
800k makes 1 non-bootable disk!

FREELY UPDATED CATALOGUE
WITH FULL DESCRIPTIONS
INDEX & VIRUS CHECKER ONLY £1!
Phone for the LATEST PROGRAMS!

PO Box 672
South Croydon
Surrey CR2 9YS
Tel: 081-657 1617

1-3 disks £1.50
4 or more ONLY £1.25!

FREE P&P

M.A.D. P.D.

2 CROSSBERRY CLOSE CRAWLEY WEST SUSSEX RH11 8BE

Exclusive to the One. Free Membership and 5% Discount Card with the coupon.

WE WILL TRY TO GET ANY DISK YOU NEED

WE STOCK ALL FRED FISH, LSD LEGAL TOOLS, ASSASINS UTILS + GAMES COLLECTION, T-BAGS, SCOPE, PLUS MANY MORE. LIBRARY OF 6,000 DISKS AND GROWING RAPIDLY.

DISK PRICES

1-10 .....85p
11-21 .....75p
22-32 .....65p
33+ 55p

PHONE FOR PRICE ON LARGE ORDERS.
50p P+P PER ORDER.
ADD 10p PER DISK OVERSEAS.
FAST 24Hr TURNAROUND ON ORDERS.

HOW TO ORDER

WRITE OR PHONE TO THE ABOVE ADDRESS AND ENCLOSE CHEQUE OR POSTAL ORDER FOR DISK + P+P.
FREE CAT. DISK WITH ORDER.

ANY QUERIES SPEAK TO DAVE, ANDY OR MARK

WATCH OUT FOR MORE OFFERS

Convert your Amstrad

COLOUR MONITOR £9.95

OUR CUSTOM MADE LEADS WILL CONVERT YOUR OLD AMSTRAD MONITOR TO WORK ON YOUR AMIGA GIVING A CRISP R.G.B. COLOUR PICTURE & HIGH QUALITY STEREO SOUND

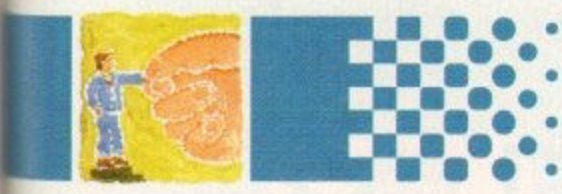
		MADE	DIY
464/6128/664	PICTURE ONLY	£9.95	£5.95
464/6128/664	WITH SPEAKERS	£34.95	£25.95
464 PLUS	(INC. SOUND)	£19.95	£8.95

Cheque/PO to: Hagars Electronics, 127 High St., Sheerness, Kent ME12 1UD

Tel: 0795 663336 P&P included Delivery 1 week

AMIGA GUIDE

An essential aid to the enthusiast, our monthly guide is back helping you to make the most of your Amiga.



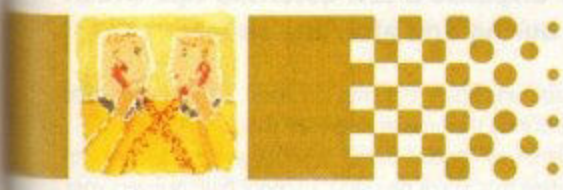
ARexx 147
Paul Overaa takes a look at how to transfer and retrieve data from specified memory locations



Video 149
Video work holds many hidden pitfalls, so let Adam Phillips lead you through to safety



Music 151
The next step in sound processing deals with editing operations using a Midi Sequencer



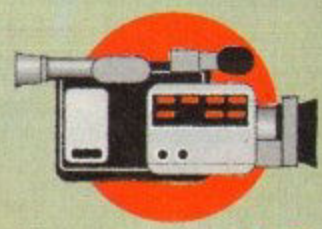
Comms 153
This month Phil South gives you the run down on Internet Mailing Lists



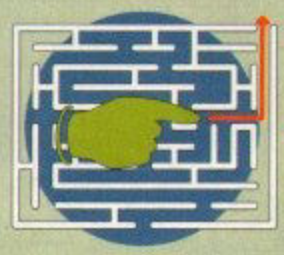
Amos 155
Create fancy guages for your Amiga using this simple tutorial



Publishing 157
Ben Pointer helps you get the right balance between decorative and informative covers



Home video 140
Gary Whiteley shows you how to add those small but all important extras to your work



Amiga guide 145
Steve White completes his AmigaGuide tutorial by showing you how to assign MultiView functions to databases.



Classifieds 160
Buying, selling or just browsing, all the best Amiga bargains in our dedicated second-hand section

Added

The countdown has started to achieving the final video production. Gary Whiteley leads you that little bit closer and shows you how to start adding a few finishing touches

Last month we looked at scouting a location, identifying any potential problems and preparing for the shoot. This month I'll concentrate on preparing the graphics and captions for when we come to putting the whole thing together and (briefly) cover the shoot (see boxout).

It's impossible to advise you exactly how to shoot your project in the limited space available here, but if you go to your local library or bookshop you're bound to find several books which cover important details such as what equipment to use, how to light a scene, shot framing, how to get maximum coverage with a single camera, and lots of other essential technical details.

Before you switch on your Amiga, take out a good old-fashioned paper and pencil and prepare a plan of action. Decide exactly what kind of graphics you're going to need and make a list of them.

Then break down the information you need to convey into understandable chunks – for instance, if you're preparing end credits group the technicians separately from the actors, giving everyone a role as appropriate.

Make sure you have all the information to hand before you start laying it out in your graphics, titling (or even 3D) program. If you have sketches and notes about what you want to achieve, you'll find it much easier to produce your graphics.

But which software should you use? Well, this largely depends on the power of your Amiga and how much you can afford to spend, in addition to personal taste.

There are plenty of different programs which you could use, including paint, titling/presentation, 3D and even DTP software, but most require specific minimum configurations and not all will work on some standard (i.e. unexpanded) Amigas.

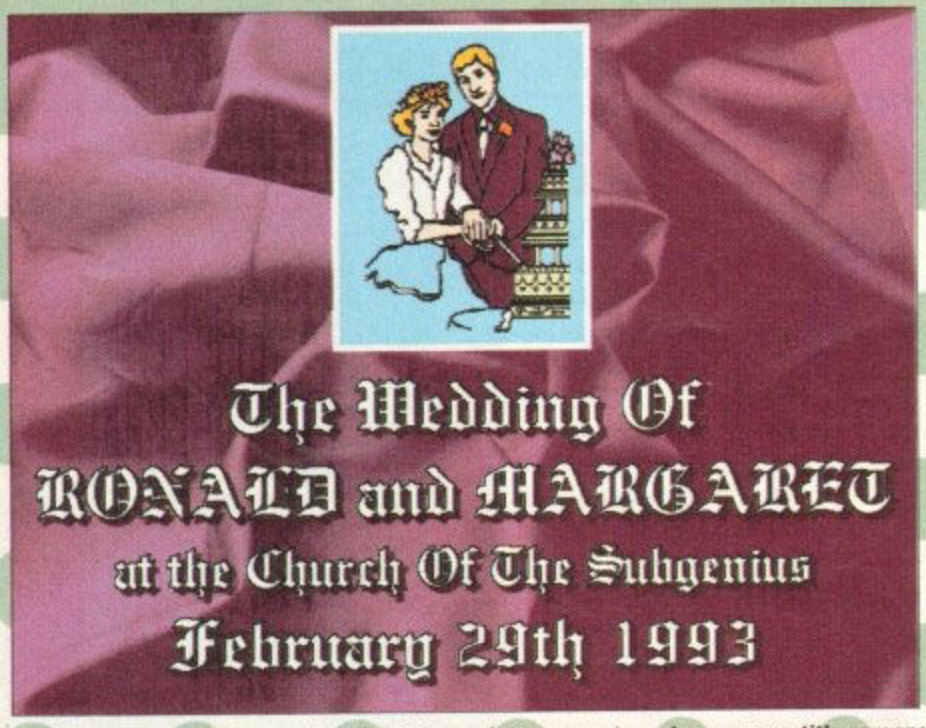
The simplest software you could use would be a paint program such as Deluxe Paint, Brilliance, OpalPaint, TV Paint or Personal Paint, though you won't easily be able to produce scrolling or rolling captions with such software.

On the other hand, if you want bold titles (which might include an illustration or clip art) then a paint program is the way to go. How many colours, and the resolution of the image, depends on the type of Amiga you have and the memory it has installed.

You'll have to play it by ear on this one and explore the limitations of your machine yourself, because I can't go into fine details



If you have a powerful Amiga you can make graphics with a 3D program



Combine clip art, backgrounds and text in a paint program to make your own title screens



If you can't draw, why not consider buying some clip art. This selection came from various Artworks disks

Hints and tips

What I would like to do is dispense a few essential tips which you'll find helpful before, during and after the shoot.

1. Ensure you have enough new tape and spare batteries on hand to guarantee that you'll get as much footage as possible during the time available for shooting.

This isn't so important when it comes to "studio"-based productions (I use the term studio cautiously, because it's more likely that you'll be using a school hall, or even your own front room, than an actual studio) because you won't be as pressurised by the constraints of videoing a live event – be it a wedding, sports day or school pantomime – as you would be shooting performance-based material such as drama.

But if you only have one chance of capturing the moment then it would be foolish to run out of tape half-way through. So plan ahead, find out how many minutes of tape you're likely to need and then double it for safety. You can always use the spare tape later.

2. Go for the best quality tape you can afford. On no account buy cheap tapes with unfamiliar brand names. Chances are they'll be poor quality and your whole production will suffer. Buy shorter tapes (e.g. 60 minute ones) rather than 3 hour tapes because they will be easier to log and edit from.

3. Always white-balance the camera when you change camera position or when there are noticeable changes in lighting level or light sources. White-balancing is especially important when you move from artificial to natural light, because there is usually a colour temperature difference in such situations. If you were to use the same setting in each

extras

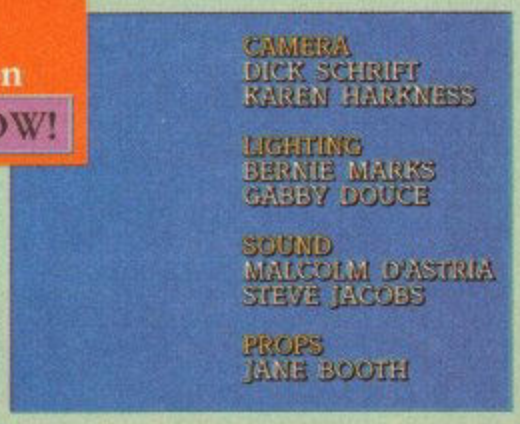
here. Just remember that whenever you're producing graphics for video you should take care to use overscan resolutions to ensure that the entire TV screen is completely covered, though this isn't always necessary if your graphics are on a plain background and never reach the edges of the TV screen.

Some paint programs also allow you to produce animations, and if you're clever you can use this facility to flip between several pages of text or graphics to add a bit of fizz to your production.

Most paint programs don't include many different fonts as standard, so I'd advise you to buy a range of extra fonts (from either PD or commercial sources – there are plenty about) to give you access to a wide range of typestyles. One point to note. Small fonts aren't too easy to read on screen, especially when genlocked, so avoid them wherever possible.







Here are several different ways of presenting text for credits and information. You could genlock them over video or use them as standalone graphics. This is just a small sample of what you can do with even a little imagination

location then you'd find that as you moved to natural light the video would take on a false-coloured cast and look very strange indeed – and would certainly be very noticeable when the sequence is edited. You may be able to make colour corrections later but everything you get right during the shoot will save you post-production time. (Post-production is the pro term for the editing and programme-completion process).

4. Run the tape in record for at least ten seconds before actually starting a shot. There are several reasons for this. Firstly, it lets the equipment get up to speed, secondly it gives the video edit decks time to synchronise and roll-up to speed before an edit takes place – providing the maximum possible accuracy – and thirdly, if you're doing a drama, it gives the actors time to compose themselves and for the director to shout "Action!"

5. If you have one of those cameras which can superimpose captions or time and date over the picture, make sure you have them turned off while you're shooting – unless there's a good reason to have them on, of course.

6. Remember to take the lens cap off! This isn't as stupid as it seems and it happens to the best of us. I confess to having a panic one day years ago when I was documenting a large sponsored bike ride from London to Oxford.

Alexi Sayle and the other guest luminaries were waiting to lead out the massed cyclists and I had to stop them while I tried to find out why there was nothing but black in the viewfinder. Then some wag shouted across that it would be better if I took the lens cap off! Talk about embarrassment. I never did it again though.

7. Write down as much relevant information about the happy couple, the actors and technicians and the location, date etc as you possibly can. You'll need this data to prepare the graphics and it's easier to get it at the time than to chase it up later.

Graphical hints & tips

1. Don't use overly bright colours as they will bleed when transferred to video.

2. Keep it simple. Don't cram screens with information. Divide your graphics into easily-digestible chunks, and keep text large or contrasty enough to be easily read from a distance.

3. Remember to use palette Colour 0 for the background if you're going to be genlocking your graphics over video.

4. Give the audience time to read the graphics. A good rule of thumb is to be able to read everything twice and then move onto the next item.

5. Whenever possible use hi-res interlaced screens (DblPAL and other promoted AGA modes don't work with genlocks) but avoid closely-spaced, thin, high contrast horizontal lines because they'll flicker – even on video.

6. Use as few colours as possible if your Amiga is short of memory – this way the files will be smaller.

A good rule of thumb is to step back from your Amiga and view the graphics from a normal TV viewing distance. If you can't read the graphics or text properly then they aren't going to work when transferred to video.

Remember – if you can't draw for toffee you can still get in on the graphics act by buying commercially available clip art such as that produced by Artworks or other companies.

The same viewing rules apply when using any other graphics software – including titling packages. There are a range of different titling packages available, from simple PD software (though I've not seen any which are particularly good) through to commercial offerings like Broadcast Titler 2, TVText Professional, Montage, MediaPoint, Scala HVT and the top-end Scala MM300.

FREEBIE

Regular readers should have been thrilled to obtain a free copy of Alternative Image's Scroller 2 software on a recent coverdisk and this is also a pretty good, if somewhat restricted, titling program.

Titling programs generally allow the construction of rolling (scrolling) and crawling text and sometimes other variations such as captions and subtitles, and often have easy-to-use features for adding drop shadows, outlines and display styles to text, as well as various wipes and other transitions for moving smoothly between one graphics screen and the next.

My personal preference is for Scala MM300 as it is about the best titling and presentation software you can get, but if it is beyond your budget or your needs, go for a cut-down version such as Scala HVT or use Scroller 2 instead.

If you're feeling really flash (and have the Amiga to prove it), why not do a 3D title screen or animation? Simple things like flying logos may seem old hat in the high-flying world of corporate and broadcast television, but we're talking here about stuff you can do at home.

If your Amiga isn't quite so powerful it's always possible that you could produce a spiffy static title screen with reflections and so on which could still wow your audience.

There are several excellent 3D programs around, including Imagine, Real3D and LightWave 3D, and most can load text and turn it into 3D objects, but you could also add other elements of your own making. All you need is some imagination, some perspiration and a fair amount of time.

Next month I'll be wrapping it all together with basic video editing and mixing so don't miss out on the final showdown.

Gary Whiteley can be e-mailed as drgaz@cix.compulink.co.uk.



RAMIGA INTERNATIONAL LTD

RAMIGA International Ltd

·A·C·E· AMIGA CENTRES OF EXCELLENCE

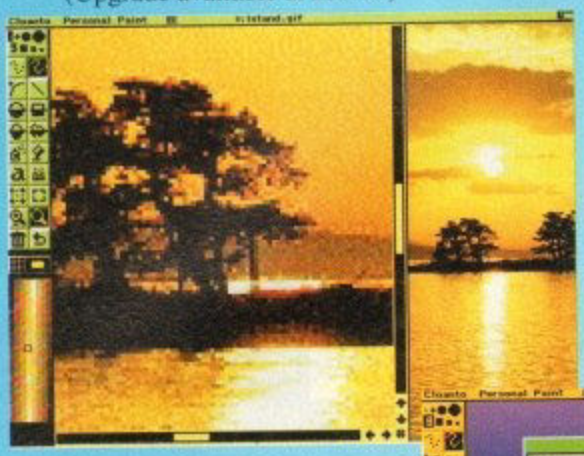
Telephone: 0690 770304 • Fax: 0690 770266

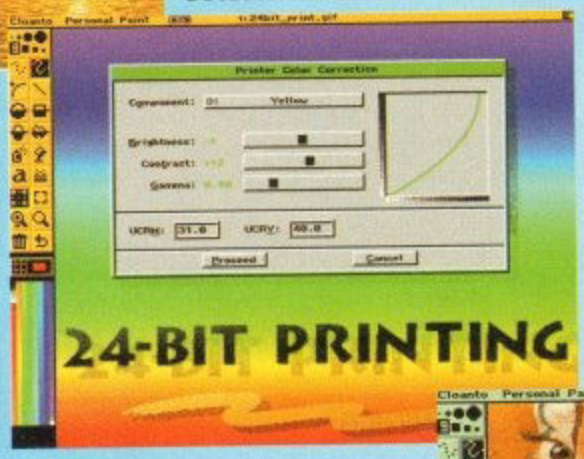
NEW

£69.95

(Upgrade available at £39.95)

PERSONAL PAINT V.6

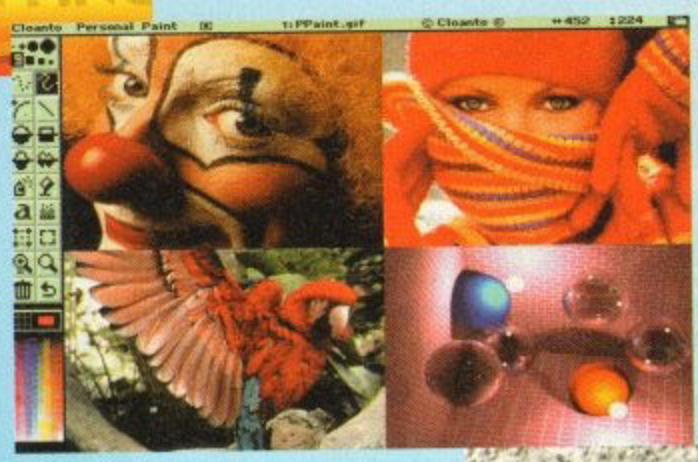


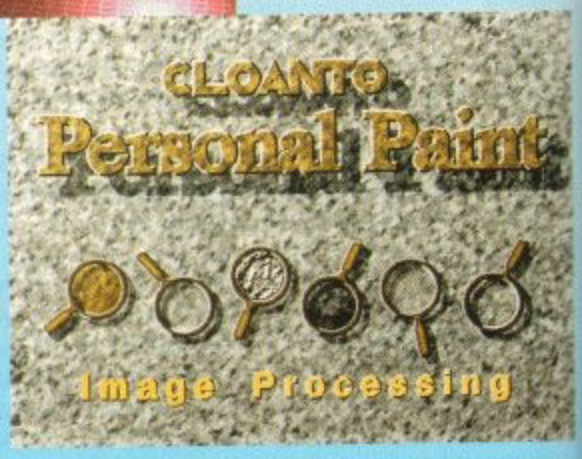


Personal Paint is a powerful and intuitive paint, animation and image processing package.
Animation (featuring a storyboard, superior compression, multiple palettes, frame-by-frame timing etc).
Virtual memory (uses Fast RAM and disk to store inactive image data).
New Image processing effects, including transparency. All effects are 50% to 500% faster than before.
Support of Retargetable Graphics (display cards like the Picasso, Retina, Piccolo, Rainbow, EGS, Talos etc), Autoscroll painting and many more functions to manage screens and display models.
High quality 24-Bit printing (Colour and Black & White) with undercolour removal, gamma correction, PostScript etc. You won't recognise your printer! (Normally a stand alone product.)
Professional conversion of IFF24, PCX24, HAM & HAM8 to 256 colours (state of the art colour quantization and remapping algorithms). The result is very hard to distinguish from that of an expensive 24-Bit display. A HAM and HAM8 viewer is active during colour reduction.
Loading of files through Amiga DataTypes (JPEG, BMP etc.)
Workbench Application Icon (Drag and Drop).
A collection of third-party utilities, including colour fonts, new HP Deskjet printer drivers (up to four inks, jointly developed by Cloanto and Commodore) and JPEG DataType, which can be automatically installed to the hard disk.

Most requesters and colour processing functions have been rewritten or otherwise enhanced. Kayboard shortcuts have been added to all user interface gadgets. And of course, there are hundreds of other exciting improvements…

OFFICIAL UK DISTRIBUTOR





£59.95



PERSONAL FONT VERSION 2.0

The Personal Fonts Maker is the best bitmapped fonts editor for the Amiga. It is used by enthusiasts and professionals from Scala computer television to Kara Computer Graphics. It is the leading tool for handling fonts in up to 256 colours (no size limit). It can even create printer download fonts (to achieve maximum printer quality and speed) and anti-alias Amiga vector fonts. Numerous other tools are included.



£39.95

PERSONAL WRITE VERSION 2.0

Personal Write is a very usable, fast and affordable Amiga word processor. Its features include: multiple text windows, mail merge, data compression (to save disk space), encryption of confidential texts, printer spooler, PostScript driver, etc. Ideal as a first word processor, its original and powerful text processing capabilities make it an invaluable companion to any software.

NOVEMBER OFFER

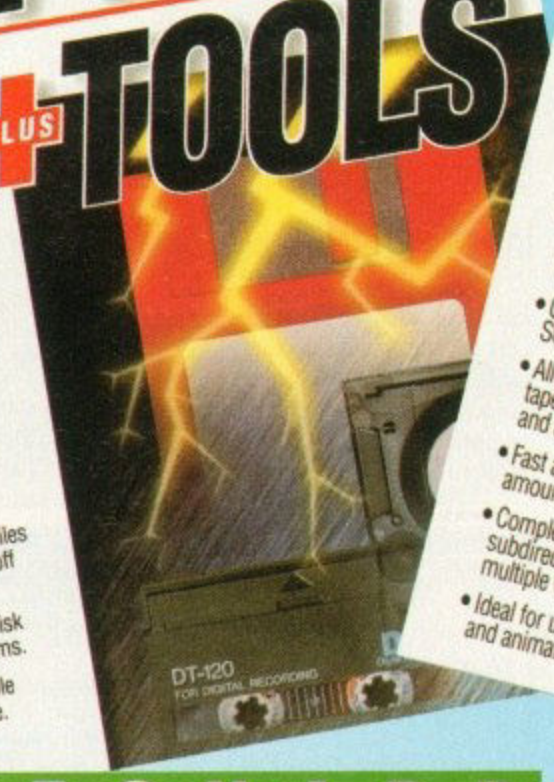
~~£89.95~~ **£69.95** ~~£89.95~~

SAFEGUARD

AMI-BACK PLUS TOOLS

ALL-IN-ONE MAINTENANCE AND PROTECTION FOR THE AMIGA

- Intuitive design and powerful features!
- Fastest backup and most reliable tools program!
- Optimizes disks for maximum system performance.
- Recovers deleted files in place and data off crashed disks.
- Finds and fixes disk structure problems.
- Appends multiple backups to tape.
- No expertise



FILESYSTEM

TapeWorm FS

TURNS YOUR TAPE DRIVE INTO AN AMIGADOS VOLUME.

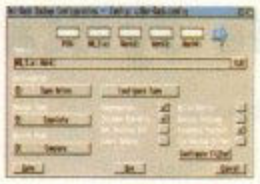
- Makes a tape drive act like a removable hard disk.
- Complete support for SCSI tape drives.
- All versions of a file on tape continue to exist and are accessible.
- Fast access to large amounts of data.
- Complete support for subdirectories and multiple volumes.
- Ideal for use with video and animation systems.



SAFEGUARD



The key to ease-of-use lies in elegance of design. Ami-Back Tools allows you to operate a host of advanced capabilities through an extremely intuitive user interface.



No matter what your backup needs are, Ami-Back gives you the power to get the job done — with an ease-of-use that is unsurpassed by any other backup program on the market.



Ami-Back Plus Tools has a graphical scheduler to automate backing up your data and maintaining your disk drives. Plus Tools gives you unprecedented freedom from your computer.

AMI-BACK + TOOLS

is the solution for your data backup and hard disk maintenance needs!

Included in this package is both the complete Ami-Back and the complete Ami-Back Tools.

Both powerful and flexible, Ami-Back gives you complete control over the backup process, while Ami-Back Tools makes the job of optimizing your disks for speed or recovering lost files a snap.

Here are *some* of the reasons why Ami-Back Plus Tools is the All-In-One solution for you:

Ami-Back

- Backs up to floppies, hd floppies, hard drives, and SCSI tape and DAT drives.
- Appends multiple backups to single and multiple tapes.
- Compares backed up data to system data if data loss is suspected.
- Compresses data during backup with no speed loss.
- Backup to a single AmigaDOS file or device.
- Performs image backups of any partition.
- Supports multiple-device backups.
- Lets you replace bad media during backups, and skips missing disks during restores.

Ami-Back Tools

- Optimizes disks by file, directory, and free space.
- Lets you recover the file system even if hard disk operation is interrupted making it the safest program available!
- Finds and fixes disk structure problems that prevent normal operations.
- Recovers deleted files in place and files lost through Quick Format of disk.
- Saves and restores RDB information.
- Recovers data by backing it up to floppies or another AmigaDOS filesystem.
- Wipes all information from a disk, preventing recovery.
- Performs CRC of all files and stores CRC database.
- Compares filesystem with CRC database to check for corrupted files due to viruses, etc.
- Optional caching mode for maximum read/write speed.

Ami-Sched II

- Schedules events to examine, repair, and backup your disks while you sleep.
- Supports any number of events over any time frame.

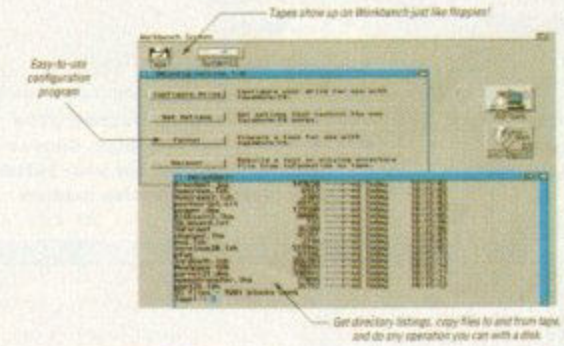
General Features

- Password protection, Online help, and Arexx support included.
- Supports all Amiga filesystems including AmigaDOS 3.0.
- And much, much more!

FILESYSTEM

TapeWorm FS

Turns your Tape Drive into an AmigaDOS volume. Supports SCSI DAT, 8mm, and QIC tape drives. Drives that support SCSI II fast search mode are recommended. Requires AmigaDOS 2.0 or higher.







RAMIGA International Ltd.,
Stablau 'Rin,
Pentrefoelas,
Clwyd
LL24 0HT

UPGRADE PATH AVAILABLE TO QUARTERBACK USERS – CALL!

All Prices Inc. VAT. **All Cheques payable to :**

RAMIGA International Ltd., Stablau 'Rin, Pentrefoelas, Clwyd LL24 0HT

Tel: 0690 770304 Fax: 0690 770266

Access VISA

Official European Distributor

Books with

At long last, a complete cure for baldness. Steve White finally gets round to the last instalment of our AmigaGuide tutorial

Okay, I know it's been a long time but popular demand has pressured me into completing my AmigaGuide tutorial, the first part of which can be found in issue 71 (yes, it's been that long).

In the first part I discussed the basic principles of creating an AmigaGuide document for use with MultiView, as well as the more advanced techniques such as creating nodes, buttons and adding formatting commands to text.

In this, the last AmigaGuide tutorial, I will be explaining how to assign MultiView functions to databases, extra text formatting commands and the ability to load pictures and play sound samples from within your AmigaGuide document.

First though, users of Workbench 2.0 who are using the actual AmigaGuide program rather than MultiView, and are following this tutorial, should bear in mind that certain MultiView commands do not seem to work in AmigaGuide, contrary to what the AmigaGuide documentation states.

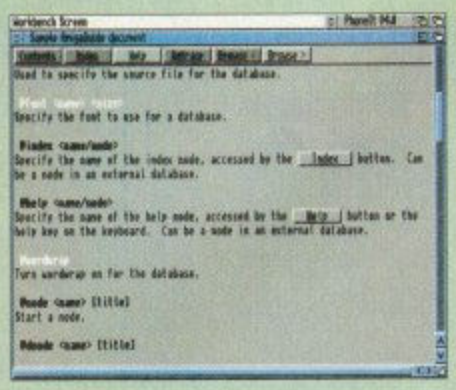
In my experience, word wrapping doesn't work and text formatting commands such as {b}, {ub} etc. cause the Amiga to crash. The most annoying of these of course is word wrapping.

My only suggestion is that Workbench 2.0 users write to the author of AmigaGuide and tell them to sort these bugs out. However, you may find that you have no problems, in which case you will be able to follow this tutorial with no problems.

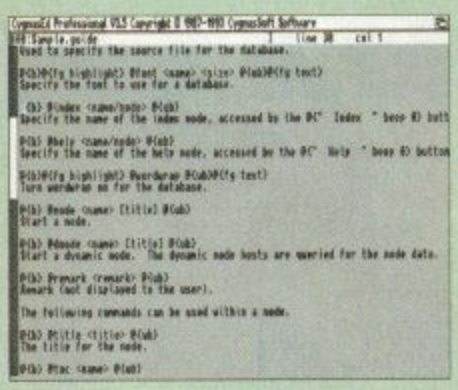
There is also a bug in MultiView which you may or may not be aware of. If you have a word that has text formatting commands attached to it, MultiView will not correctly word wrap it if it needs to be wrapped. Instead it is split across two lines and the character where the split occurred disappears. The following is an example of the word wrapping bug in MultiView:

```
This is a line of AmigaGuide text to demon-
strate the word wrapping bug.
```

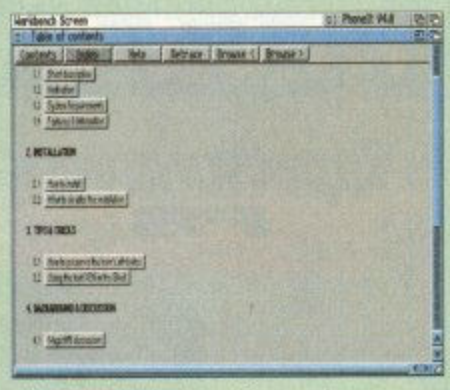
Let's suppose the word demonstrate was in bold {b} and that MultiView happened to word wrap the document on that word. The



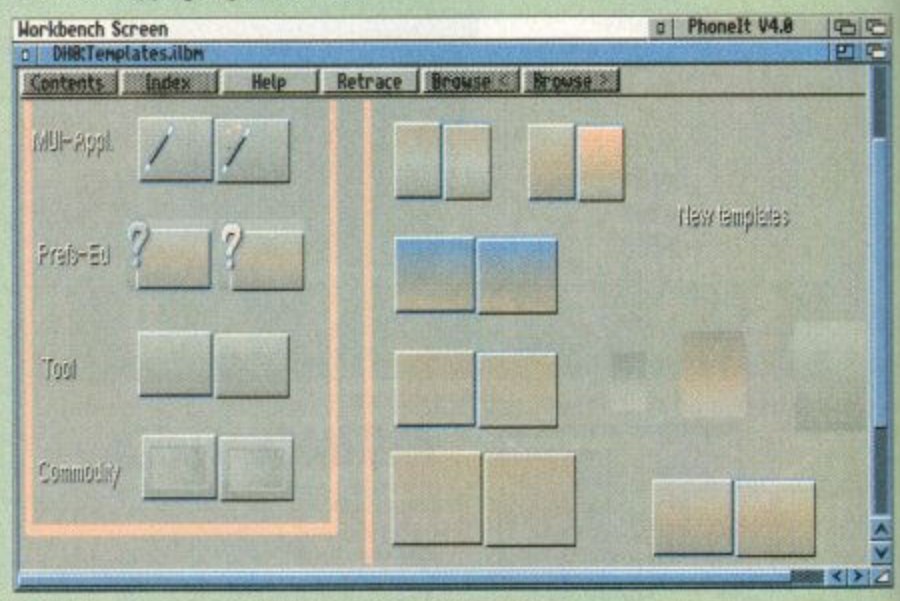
The actual AmigaGuide program comes complete with an excellent sample guide which demonstrates the many commands



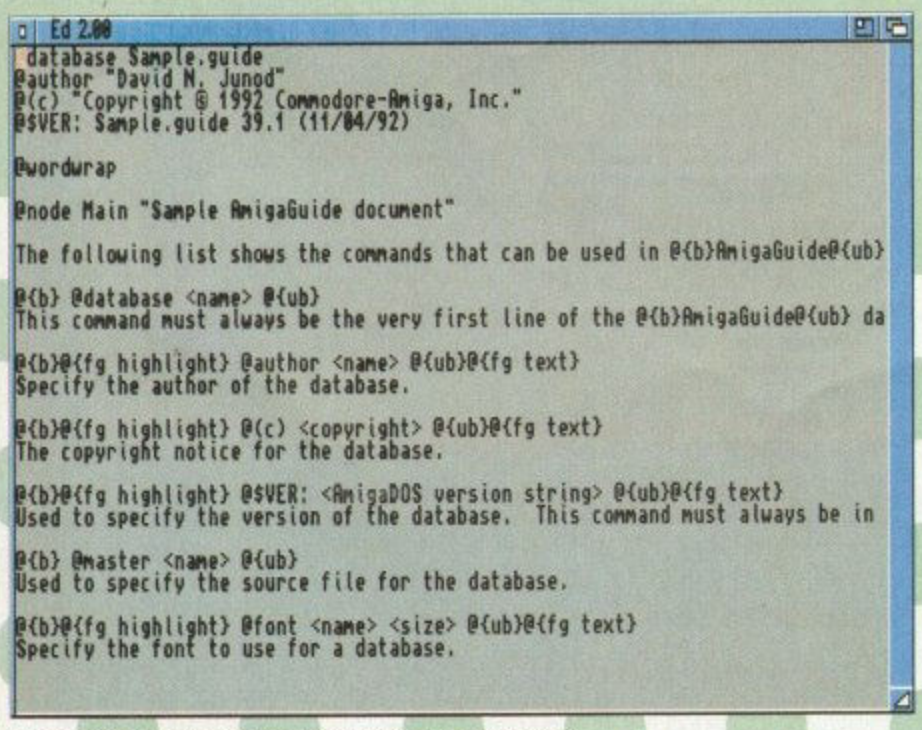
In order to create stunning AmigaGuide databases a good text editor is essential. Cygnus Ed or Edge should do



The trick behind creating good AmigaGuides is design. Choose a neat font and lay out your buttons in a clear and concise manner



Not only can you create buttons in AmigaGuide but also assign buttons to show pictures or play sound samples



Most users will resort to Ed when creating AmigaGuides but you will soon find that Ed is far too inadequate

AmigaGuide syntax

What follows is a full listing of all the commands available for AmigaGuide, as well as a brief description of what each command does. Therefore, if you need to look up a particular command you only need to check through this reference data.

`@database <name>`
Must always be the first line in an AmigaGuide document

`@author <name>`
The author of the database

`@(c) <copyright>`
Copyright notice

`@$VER: <AmigDOS version string>`
Used to specify the version of the database

`@master <name>`
Specified the source file for the database

`@font <name> <size>`
Specify the font and sizeto be used in the database

`@index <name/node>`
Specify the name of the index node accessed by the Index button. This can be a node in an external database

`@help <name/node>`
Specify the name of the help node accessed by the Help button. This can be a node in an external database

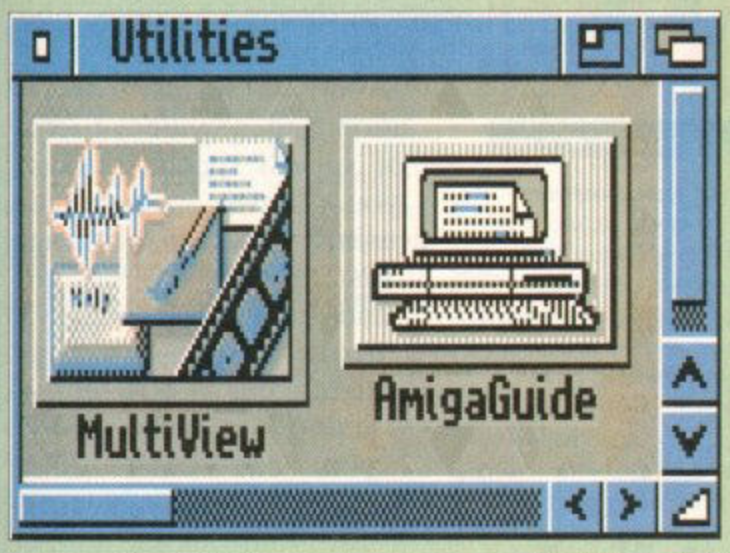
`@wordwrap`
Turns word wrapping on

`@node <name> [title]`
Start a node

`@dnode <name> [title]`
Start a dynamic node. The dynamic node hosts are queried for the node data

`@remark | @rem <remark>`
Allows the user to add information that will be ignored by MultiView

buttons



There are differences between AmigaGuide and MultiView but most, if not all of the commands will work between both programs

result would look like this:

```
This is a line of AmigaGuide text to demon
trate the word wrapping bug.
```

The only way around this is to make sure that text formatted words are not forced to word wrap. This is obviously not an ideal solution but the only one.

Bugs aside, let's take a look at the extra commands MultiView provides in the boxout on adding colour.

As mentioned earlier, AmigaGuide documents are also capable of displaying images and playing sound effects. Provided you have the correct datatype, you can view any type of image and play any type of sound sample. The method of attaching pictures and sounds to an AmigaGuide is slightly different to the way in which links are made. You may imagine that the actual name and path of your picture or sound is treated in the same way as a node.

Below is the syntax of attaching a picture to an AmigaGuide document with a demonstration below that:

```
@{"A button" link /main}
@{"Click me for a picture" link
ram:image.brush/main}
```

The /main element has to be included. In order to remove a presented picture you would need to click on the Retrace button on the main MultiView interface. You can also apply the above examples to sound effects – just insert the path and name of the file in the appropriate position in the command.

The last command is one which allows you to actually display AmigaGuide commands without them being interpreted by MultiView. In order to print a command, you simply add a reverse slash character in front of the actual command. This character can be located directly to the left of the backspace key.

Below is an example of how you would write a command into an AmigaGuide document without it being processed by MultiView:

```
\@{"This is how you would write a button"
link Main}
```

This basically ends our AmigaGuide tutorial. There are a few extra commands which I have not covered but the ones I have explained are those you will use most of all.

The extra commands not described can be found in the AmigaGuide Syntax box where you will find all syntax formats for every command, plus a brief explanation.

Add colour to text

Apart from the ability to change the style of text in your AmigaGuide document, you can also change the colour in which it is displayed.

There are various commands to add colour effects although many of them are similar in effect. The text colouring commands are:

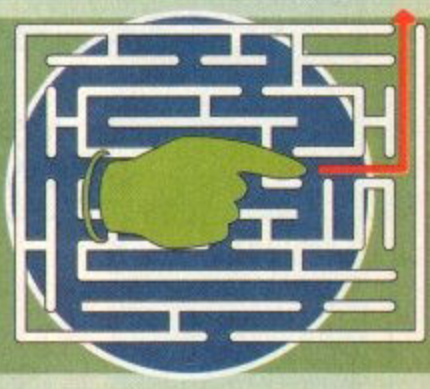
```
@{fg  Changes the foreground colour to
@{bg  Changes the background colour to
```

Colour can be:

```
text
shine
shadow
fill
filltext
background
highlight
```

Using these commands you can present text in a more readable style, with important text highlighted for reference.

Amiga Guide Part 2



The following commands can be used within a node

`@title <title>`
The title for the node

`@toc <name>`
Specify the name of the Contents node. This can be a node in an external database

`@prev <name>`
Specify the name of the node to go to when the Browse < button is pressed

@next <name>
Specify the name of the node to go to when the Browse > button is pressed

`@keywords <keywords>`
Assign keywords to a node. Used when searching for a node

`@font <name> <size>`
Specify the font and size to be used

`@{ <label> link <command>}`
Indicates a textual link point. This can be anywhere in a line and is displayed as a button within the text

`@{ <label> <picture> or sound effect etc. link /main}`
Specifies a button to be linked to a picture, sound effect or any other datatype

`@endnode`
Ends a node

The following is a list of formatting commands that can be applied to text

`@{b}`
Turns bold text on

`@{ub}`
Turns bold text off

`@{i}`
Turns italic text on

`@{ui}`
Turns italic text off

`@{u}`
Turns underline on

`@{uu}`
Turns underline off

`@{fg <type> }`
Turns on foreground formatting types. See formatting types below

`@{bg <type>}`
Turns on background formatting types. See formatting types below

- text
- shine
- shadow
- fill
- filltext
- background
- highlight

AmigaGuide commands can be displayed in a database by preceding the command with a reverse backslash character to the left of the backspace key. See below

\@{"Fake command" link Main}

Editing MultiView

As well as adding your own buttons and links you can also redefine the buttons provided by MultiView. This means that you can create your own help AmigaGuide document and attach it to another, so when the user clicks on the Help button the new database is loaded.

The commands for re-directing the MultiView buttons are explained below:

```
@index
@help
@prev
@next
```

The parameter name allows you to actually assign that particular button to an individual AmigaGuide document. The node parameter specifies the node within that document.

All of the above commands can be present inside previously defined nodes which makes them accessible to all nodes.

Best-Selling Amiga Titles at Amazing Prices.

KindWords3

WORDPROCESSOR



An essential requirement for the office and your home! The friendliest word processor you will probably ever use. It is simple enough to have you working in minutes and yet sophisticated enough to provide the features you need for your resumés, reports, correspondence and all your writing projects. Page layout, mailing list merge and a variety of other up-to-date functions make KindWords the right choice for users of all ages. A first class word processor.

NOW ONLY £29.99 INC VAT

THE Publisher

PAGE LAYOUT



This tremendously powerful desktop publishing program offers unrivalled output, ultra-fast operation and a wide variety of superb special effects you never imagined using. This publishing system lets you design and create top quality, professional-looking documents efficiently and effortlessly. Now you can create the perfect page layouts for your leaflets, ads, newsletters or novels, with infinite ease! Supports page sizes up to 20" x 20" and magnifies 30%-300%

NOW ONLY £29.99 INC VAT

MaxiPlan4

SPREADSHEET



This acclaimed spreadsheet, database and charting program lets you take control of all your number and data tasks! Tackle financial analysis, database lists and marketing research with the accuracy and speed your projects require. Organise, calculate and present your data both clearly and graphically with colourful charts all in one multi-use program. Save time and energy by automating repetitive or tedious tasks with our simple macros .

NOW ONLY £29.99 INC VAT

HomeOffice KIT DELUXE

WORD PROCESSING, SPREADSHEET AND DATABASE



An invaluable suite of three powerful, friendly and easy-to-use business tools.

KindWorks3™
The friendliest word processor you'll ever use! See top left panel for further details.

MaxiPlan4™
A flexible spreadsheet/database that tackles your information with ease. See left panel for further details

InfoFile™
This useful program is a collection of business utilities that will save time and frustration!

NOW ONLY £69.99 INC VAT

Now you can get four of the all-time best-selling Amiga programs for amazingly low prices.

AVAILABLE FROM ALL GOOD AMIGA COMPUTER STORES

DISTRIBUTED EXCLUSIVELY IN THE UK BY SDL

Trading standards

I mentioned last month that ARexx had some functions especially designed for transferring data to, and retrieving data from, explicitly specified memory locations.

The functions, called Export(), Import() and Storage(), are all part of ARexx's built-in function library, with Export() copying data from an (optional) string to some previously allocated memory area using this type of call:

```
count=Export(address,[string],[length],[pad])
```

The length parameter specifies the maximum number of characters to be copied, with the default value being the length of any supplied string. In a case where the specified length is longer than the string, the remaining memory locations are filled with the pad character (or nulls if no pad is provided). Export() returns a count representing the number of bytes transferred.

The Import() function goes the other way. It creates a string by copying a specified amount of data from a given four byte (longword) start address:

```
string$=Import(address,[length])
```

If the length field is not provided then the copy terminates when a null byte is found.

The Storage() function has this sort of parameter layout:

```
return_value=Storage([address],[string],[length]
,[pad])
```

and with no arguments its return value is simply the amount of system memory currently available.

The address argument, if given, must be a four byte string and Storage() then copies data from the string to the specified memory area. As with Export(), if the specified length is longer than the string then the remaining memory locations are filled with pad characters or nulls ('00'x).

Note the two important differences between the Export() and Storage() functions. Firstly, Storage() can be used to determine the amount of free memory in the system – Export() can not. Secondly, Storage() returns, as a string, the previous contents of the bytes whose contents get overwritten – Export() does not.

It is difficult to give a simple example of these functions but there is one use of Import() that you may find useful. The exec library base pointer (found at the fixed longword location '00000004'x) is most often used as the entry point to the exec library (accessed as negative displacements called library vector offset or LVO values).

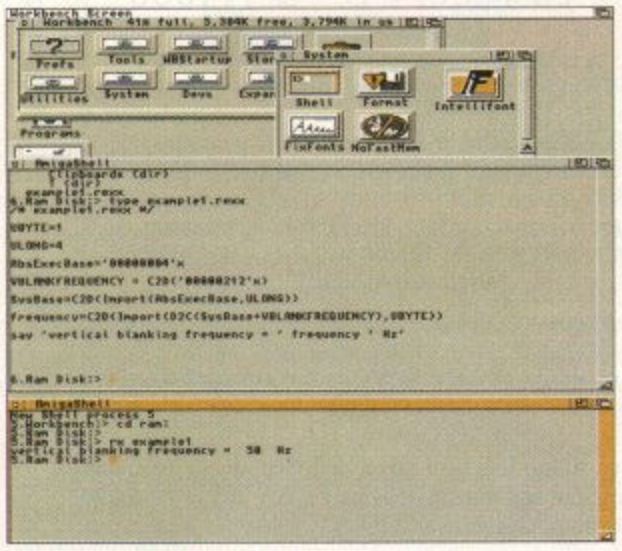
It also has another use because positive offsets from this base take you into the ExecBase system structure which holds a mass of system variables, pointers to system lists and so on.

ExecBase does, for instance, contain details of the vertical blanking and power supply frequencies being used by the machine and in fact, since version 36 there has been an E clock frequency field called ex_EClockFrequency which enables you to tell whether your code is running on an NTSC or PAL machine. Typical values are 715909 for NTSC and 709379 for PAL.

In order to get the address of the exec library base we need to read the longword location beginning at '00000004'x – you'll often see this done using code such as:

```
ExecBase=Import('00000004'x,4)
```

This works but, to be honest, the code is a little misleading. The confusion arises because the conventional name for the exec library base is SysBase, not ExecBase. ExecBase is the system structure holding the exec system information mentioned earlier.



And just to prove it works here's the script in action!

A value called AbsExecBase is, however, defined as the absolute value 4, that is, the address of the longword memory location that contains the exec library pointer (SysBase).

Therefore if you want to be pedantic (in an Amiga system sense), then a better way of coding the previous example would be to use something along these lines:

```
AbsExecBase='00000004'x
ULONG=4
SysBase=Import(AbsExecBase,ULONG)
```

It's a small point I know, but given that Commodore/Amiga were kind enough to define standard library base names, the least we can do is try to follow their conventions.



Paul Overaa shows you how an ARexx script might be used to access Amiga system information

Good structure

Anyway, once SysBase is available the rest is easy – we just add the structure offset values to the SysBase variable and read the required number of bytes from the ExecBase structure.

Again I'd recommend defining some "pseudo constants" to represent the number of bytes being read:

```
UBYTE=1     /* represents 'unsigned byte' */
ULONG=4     /* represents 'unsigned longword' */
```

As far as the ExecBase structure offset is concerned, here are the values of the three fields I've mentioned:

```
UBYTE     VBLANKFREQUENCY = '00000212'x
UBYTE     POWERSUPPLYFREQUENCY = '00000213'x
ULONG     EX_ECLOCKFREQUENCY = '00000238'x
```

Other field values are available from the RKM manuals or other sources.

You can also calculate the values directly from the Amiga header file definitions.

The only fly in the ointment is that in order to add offsets to SysBase we need to do a little number conversion using C2D() and D2C() to prevent ARexx throwing up numeric conversion errors.

The example below gives the general idea and by altering the added offset value (and using a suitable size value) you can of course access any other ExecBase information field.

```
AbsExecBase='00000004'x
UBYTE=1          /* represents 'unsigned byte' */
ULONG=4          /* represents 'unsigned longword' */
VBLANKFREQUENCY=C2D('00000212'x)
SysBase=C2D(Import(AbsExecBase,ULONG)

frequency= C2D(Import(D2C(SysBase+VBLANKFREQUENCY),UBYTE)
say 'vertical blanking frequency = ' frequency 'Hz'
```

BRIAN FOWLER Computers Ltd

Commodore AMIGA

11 North Street, EXETER, DEVON, EX4 3QS

fowler@cix.compulink.co.uk

brian_

compuserve 100072,1536

AMIGA AMIGA AMIGA AMIGA

We're Backing Amiga!

Amiga 1200, CD^{32} and A4000

are in extremely short supply. Phone for latest news, prices and availability.

We have available now memory expansions, accelerators, hard disks (SCSI and IDE), floppy disk drives, multi-io cards, graphics cards, printers(impact, inkjet, laser), cables, adapters, printer and monitor sharer switches - just about anything Amiga!!!

CD32 Expansion Modules

Floppy Port	*	23 Pin Video Port
Hard Disk Port	*	Mpeg Through
SIMM Socket	*	Audio In & Out
Keyboard Port	*	Drive Switch
Serial Port	*	Real-Time Clock
Parallel Port	*	Colour Match CD^{32}

Great Value at £199.95

Memory, Floppy Drives, Hard Drives, Keyboards, Parnet Cables available ... Phone for prices.

Retina BLT Z3

Superb 24 bit video card 4MB version Only £449.95

Brilliance 2!

Superb 24bit Paint Program only £69.95

Imagine a drive which is almost as fast as a hard drive, but which takes disks similar to a floppy drive ....

Imagine filling this hard drive, and then simply replacing the cartridge and instantly having another 105 or even 270 Megabytes of storage available ....

Imagine saving your work to cartridge, and being able to read the data on any similarly equipped Amiga, PC or MAC ....

Now you're thinking SyQuest .... From £199.95

Microvitec 1438

14"Colour Multisync Monitor. All Amiga modes. £299.95

* or *

Phillips 8833-II Monitor. A Classic for only £229.00

CD32 Connection Kit MarkII

Network to any Amiga or PC

With SERNET - "Just Click and Go"

Only £34.99

We have been selling Kits successfully since October 93! If you want one that works, talk to us!

Upgrade from Connection Kit Mark I available --- Only £16.99

Contact us if you want
an Emplant board
or a new mouse
or the latest DTP softwa
or a second joypad for your
or a PARNET cable
or a CD full of fonts
or one full of clip art
or CDPD 4
or the latest AMINET CD
or a CD32 keyboard adapter
or a SCSI controller
or a VLAB digitiser
or Flowcharting software or anything AMIGA!!!

Upgrade to OS 3.1!
A500/1500/2000 only £89.95
A3000/4000 only £99.95

Fax Modems

complete with software. Join the Comms revolution! From £189.95

Very Fast 28800bps modems now available. Phone now!

A1200 CD Rom Drives

Only £199.95

Internal Amiga CD Drives from only £159.95

SCSI Hard Drives - all sizes. e.g. 1 Gigabyte SCSI-2 £675.00

Lightwave 3D PAL

For a limited introductory period we are offering this powerful software at the astonishingly good price of £449.95

Minimum requirement is 8MB. ram and a hard disk. 68030 or above recommended.

Can't see what you want? Just ring (0392) 499 755 --- we have lots more than we can show here!

Fax us on (0392) 423480

Compare Our Prices ! We don't charge extra for Credit Cards or Standard Delivery. What You See Is What You Pay !!!

How To Order

By Post

Send your Cheque/Postal order to the address above. Clearly state your name, address, telephone number and the product(s) you require. Prices can change so please phone to confirm price and availability. Please allow seven working days for your cheque to clear.

By Phone

For an even faster service telephone our sales hot line and quote your credit or debit card number. Friendly and expert buying advice is available at all times.

(0392) 499 755

Monday - Saturday 9.30am-6.30pm

0392 499 755

AMERICAN EXPRESS Cards Welcome · SWITCH · EUROCARD · MasterCard · VISA · Access

All Prices Shown Include VAT. Standard Delivery Is Free. No Hidden Extras.

Prices Correct At Time Of Going To Press. E&OE. Please Phone To Confirm Latest Prices.

bfcl023

Growing pains

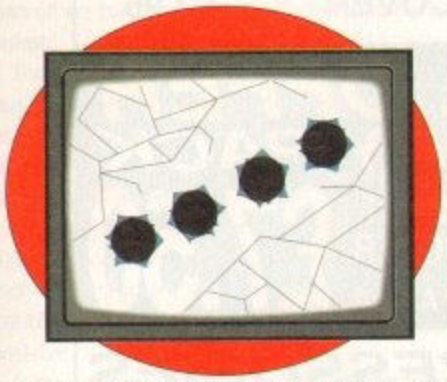


Adam Phillips troubleshoots some common mistakes made by fledgling and experienced videographers alike

Everyone at some time or other has made a mistake while shooting which may well seem extremely obvious and embarrassing at the time but, in the heat of taking a shot, slip ups and oversights can happen. Some range from pure absent-mindedness to the more subtle and harder to track down variety.

What follows is a breakdown of problems that in most cases can be solved with relative ease. Happy troubleshooting.

Picture problems



Lack of Image: Err, take the lens cap off maybe; power leads not plugged in; battery rundown; switch the camcorder on. All obvious but sometimes overlooked on the spur of the moment.

Bad picture quality with "snow"-like specks: Dirty video heads that require a cleaning tape. If possible and affordable, far better to let a qualified engineer do them.

Grainy, muddy picture: Lack of sufficient light.

Wobbly image: Bad nerves or something more serious – a servo fault could have developed. Hunt out an engineer.

Burn-out highlights: Over-exposed patches where image is usually whited out. Adjust iris manually (if your camcorder will let you).

Auto white balance not operating: Lack of ambient light, increase the lighting level to rectify. If shooting into brightly coloured scenes, the white balance may well be beyond its correction range. Try a colour correction filter to improve the picture.

Stationary lines or marks on picture: If a foreign body has found its way onto the lens, it'll usually move or rotate with any lens action. Get some photographic tissue and clean the lens carefully. If this doesn't remove it, there may well be damage to the sensor face-plate.

Greenish hue to indoor shots: Perhaps due to fluorescent lighting. Use a violet filter to counter balance the interference.

Auto-focus "confused" or not working: Auto-focus window may be dirty or your fingers are wandering in front of it, blocking its sensor.

Drop-out and "snow" present on tape: Either tape is worn out or the recorder needs to be booked in for servicing.

Picture instability at edit points: Check that the VCR being used as the edit recorder has an insert edit or a backspace facility to aid smooth transitions.

Sound problems



- **Excessive wind noise when outdoors: Put a foam-rubber shield around the mic and keep it leeside of your body or camcorder. If push comes to shove, slap a woolly sock over the microphone or buy a professional wind-gag for best results.**
- **Lens motor whine/rigorous handling picked up on soundtrack: Moving the camera too much without care where your fingers are wandering can result in creaking and other such delights on the soundtrack. Motor noise can sometimes be picked up in quiet locations when the automatic gain control decides to kick in.**
- **High background noise, low muffled sound: Clean audio heads.**
- **Oscillation or howling noise: When the recording microphone is placed too near a TV loudspeaker, a "howling" sound makes itself rather apparent. Turn the TV sound down fully.**
- **Pitch change at edit points: One of the more annoying but sometimes inevitable parts of tape-to-tape editing. To minimise the effect, have professional servicing of both the camcorder and VCR.**

Operational problems



Camcorder not working: Battery flat; power unit not switched on or even plugged in; no tape present in machine; dew condensation.

Rewind/fast forward inoperative: Tape is already fully rewound or forwarded to the end.

Battery short on power: The bane of any location shooting – more obvious reasons include excessive use of auto-focus, auto-zoom, stop/start controls. Battery may not be fully charged or has worn out. Low ambient temperature; internal presets may need adjusting by an engineer.

Lack of record function: Check that the safety tab on the video cassette has not been removed.

Compartment containing cassette will not open: Power may have rundown, making it impossible to open the compartment on some machines. In the worst case, machine may have eaten the tape and jammed the mechanism. Whatever the circumstances, never try and force the compartment open.

Camcorder turns itself off after only a few minutes on pause or stop: Usually a design feature to conserve battery consumption. Alternatively, may have run out of power.

Unclear playback picture: Recording was underlit, out of focus or the lens needs a cleaning.

Stopping in same place on cassette for no reason: Tape is damaged at that particular point – throw it in the bin

Note of caution

When you're using expensive equipment that is being lugged from one location to the next, it's only a matter of time before something decides to give out on you.

It may well be a hiccup as insignificant as dirty heads or a substantial problem such as the computer chips inside the camcorder deciding to take an unexpected permanent vacation.

Whatever the occurrence, it is always vital to have insurance on any equipment you use no matter how well handled and looked after it is. Secondly, whenever possible, use an engineer to sort out any difficulties you may be having – in most cases, they have a well practised knowledge in all things video, so you can be assured that equipment is in safe hands.

WE MUST BE MAD !!!

AMAZING OFFERS ON 3.5" DSDD DISKS

25X3.5" DSDD 135tpi DISKS	£8.95
50X3.5" DSDD 135tpi DISKS	£16.45
100X3.5" DSDD 135tpi DISKS	£31.95
200X3.5" DSDD 135tpi DISKS	£59.95
300X3.5" DSDD 135tpi DISKS	£86.95

ALL DISKS INCLUDE VAT AND COME COMPLETE WITH LABELS
CERTIFIED 100% ERROR FREE 2 FOR 1 GUARANTEE

SPECIAL OFFER

200X 3.5" DSDD DISKS +2X 100 CAP. BOXES **£67.95**

SPECIAL OFFER A1200 USERS ONLY

SYNDICATE	£12.95
CHAOS ENGINE	£12.95
NICK FALDO'S GOLF	£9.95
PINBALL FANTASIES	£9.95

ONLY WHILE STOCKS LAST

DISK STORAGE BOXES

OUR FLIP TOP STORAGE BOXES ARE OF A HIGH QUALITY ANTI-STATIC DESIGN AND COME COMPLETE WITH LOCK, TWO KEYS AND AMPLE DIVIDERS
(EXCEPT THE 10 AND 20 CAPACITY BOXES WHICH ARE NOT LOCKABLE).

3.5" X 100 CAPACITY BOX	£4.75
3.5" X 50 CAPACITY BOX	£3.50
3.5" X 20 CAPACITY BOX	£2.50
3.5" X 10 CAPACITY BOX	£0.95

BANX TYPE STORAGE BOX

THIS VERY POPULAR DRAWER STYLE BOX IS IDEAL FOR STACKING. BOXES CAN BE LINKED TOGETHER HORIZONTALLY AND VERTICALLY TO GIVE LARGE AMOUNTS OF STORAGE IN LIMITED SPACE. EACH BOX HOLDS 90 DISKS AND COMES WITH KEYS AND DIVIDERS

ONLY £7.95 each.

200 CAPACITY DRAWER TYPE **£12.95**

GENERAL ACCESSORIES

QUALITY MOUSE MAT	£2.50
MOUSE POCKET	£1.50
3.5" HEAD CLEANING DISK	£1.95
AMIGA EXTERNAL DISK DRIVE	£54.95
AMIGA REPLACEMENT MOUSE	£12.95
AMIGA A500 DUST COVER	£2.95
AMIGA A600 DUST COVER	£2.95
AMIGA A1200 DUST COVER	£2.95

SPECIAL OFFER ACCESSORY PACK

MOUSE MAT, MOUSE POCKET, CLEANING DISK, DUST COVER **£7.50**
(PLEASE STATE A500, A600 OR A1200)

OTHER ACCESSORIES

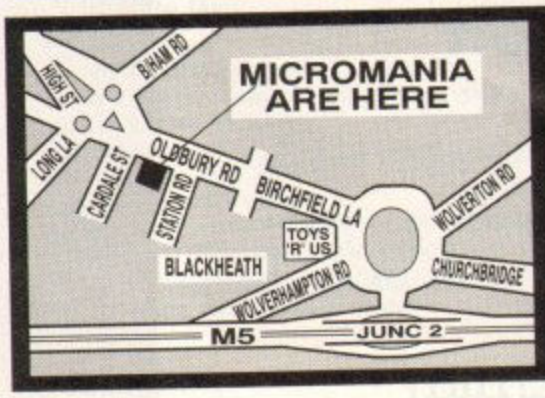
AMIGA TO SCART CABLE	£12.95
JOYSTICK EXT. CABLE	£4.95
ROBOSHIFT MSE/JSTICK SWITCH	£12.95
AMIGA NULL MODEM CABLE	£9.95
MSE/JSTICK TWIN EXTENDERS	£5.95
AMIGA ANALOGUE J/STICK AD.	£5.95
A500 REPLACEMENT MODULATOR	£39.95
AMIGA STEREO SPEAKERS	£17.95
AMIGA PRO STEREO SPEAKERS	£54.95

THIS MONTHS SPECIAL OFFERS

SKIDMARKS	£17.95
MONKEY ISLAND 2	£24.94
WORDWORTH V3	£59.95
ZOOL 2	£14.95
COMBAT AIR PATROL	£17.95
WIZ N LIZ	£14.95
MICRO MACHINES	£17.95
CANNON FODDER	£19.95

ONLY WHILE STOCKS LAST - ONLY WHILE STOCKS LAST

VISIT OUR SHOP WHERE THESE AND MANY MORE PRODUCTS ARE ON DISPLAY ALL AT LOW PRICES



PLEASE ADD £3.50 FOR P&P
(UK MAINLAND ONLY - OTHER DESTINATIONS WILL BE CHARGED AT COST)
CHEQUES, P/O'S TO:-

MICROMANIA Dept AMP
74 OLDBURY ROAD, ROWLEY REGIS,
WARLEY, WEST MIDLANDS B65 0JS
TEL: 021 559 1002

Access VISA

All offers subject to availability. All prices subject to change without notice. E.& O.E.

Simple solutions



Confused about how a Midi sequencer can help you make better music? Paul Overaa explains the purpose of four important sequence editing operations

The massive range of edit functions available on the average Amiga sequencer can seem pretty bewildering at times, but four facilities stand head-and-shoulders above the rest when it comes to making life easy for the would-be musician.

Transposition, changing the key of either all or part of a track, is one particular 'goodie' that comes to mind. If, for example, a piece of music contains a melody that is reused later in different keys it's possible to paste in copies of the melody (at appropriate positions) and transpose them as required.

A lot of people use the key of C for all of their keyboard work and then transpose their songs up or down to the required key – it saves having to work out how to play things in different keys. (Most pieces of music are harder to play in some keys than others but the key of C is invariably the easiest!).

There are even valid reasons for serious musicians opting out in this admittedly easy fashion. Supposing, for instance, you are a trumpet player who is interested only in creating backing tracks to play along with.

You may decide that learning how to play a piano keyboard properly, especially since it's not really the instrument that interests you, is not feasible given the amount of time you have available.

Suppose you want to play a bass line theme which contains four evenly spaced, single beat duration notes per 4/4 bar. You pick a suitable tempo, set the sequencer recording, and then play the bass notes.

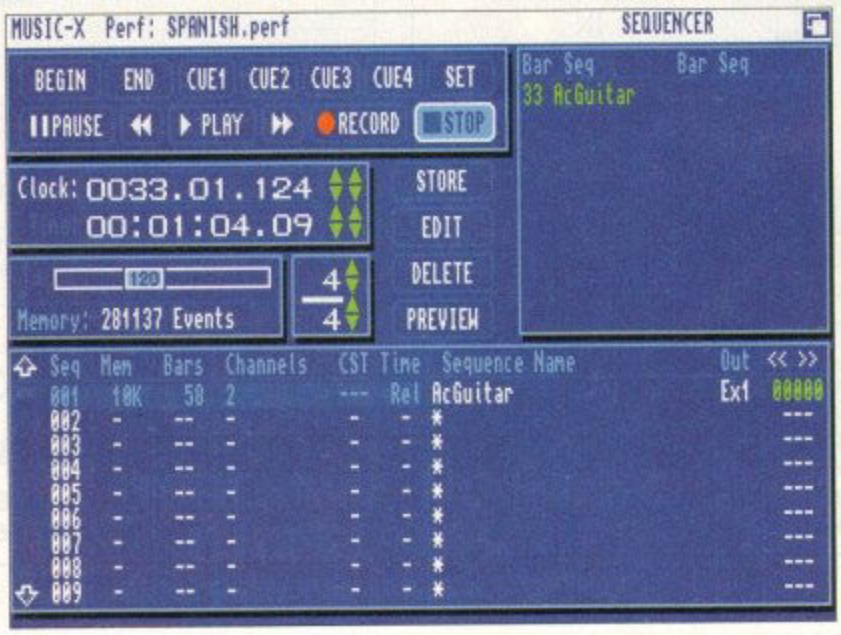
The chances are that although your timing might be reasonably accurate it will not be one hundred percent perfect. What you could do now is ask the sequencer to quantize ('adjust' the timing of) the notes in the track so that they fall exactly on the divisions corresponding to the four beats in a 4/4 bar.

Now this is all very well, but there is a snag. Simple quantising schemes which adjust all notes to some user-defined time partition (4, 6, 8 notes per bar etc) tend to make the music sound "mechanical."

Over the last few years a lot of effort has gone into finding suitable compromise schemes based on "partial quantisation." One option is to tidy up the notes a bit without making the timings perfect.

Another is to only quantize those notes which lie very near the hypothetical quantize division lines. The result? Quantisation is nowadays both useful and effective!

By adding program change events to the



Music X – one of the many-powerful sequencers available to the Amiga user

sequences it is possible to get the synthesizer to automatically select appropriate voice settings. You might suspect that the easiest way to add a program change command to a sequence is to manually make the change while you are recording the track (most synthesizers would sense the change and automatically transmit a program change message).

TRICKY

In practice this does work, but it is usually easier to insert the program change messages after you've done the recording because trying to hit the sequencer's record button, selecting a voice, and begin playing (in time) on the first beat of a song can be tricky!

The exact way that program change messages are added is, like most sequencer operations, invariably sequencer specific, although it is always easy to do. Some sequencers just require a number to be inserted in the track list information, others will require the event to be inserted using an event editor – such things will always be well explained in the sequencer manual.

Most sequencers also allow their event editors to be used to insert program change commands at places other than the start of a track or sequence.

Now you might be asking why one would want to insert a program change command into the middle, or possibly the end, of a sequence. There are several reasons.

Firstly, you might simply wish to change the synthesizer's voice settings half way through a song. Secondly, you may be controlling some other piece of equipment that is turned on when the song starts and is turned off just before the song ends (digital reverb units for example are usually program change controllable).

Re-channelling

Another useful facility, which can be applied to either whole tracks or ranged parts of a sequence is the conversion of data recorded on one Midi channel to a different Midi channel.

This, not surprisingly, is called re-channelling. Imagine that a three track piano/violin/bass song has been created using Midi channels 1, 2 and 3 respectively but that the multi-timbral synthesizer setting also has a spare channel (set to Midi channel 4) available but not in use.

You might decide to make use of the extra channel/voice slot to include a second violin sound hoping to "thicken up", i.e. harmonically enrich, the original violin sound.

In the above example this would just involve copying the existing Midi channel 2 to a spare sequencer track and then re-channelling the new track so that all channel 2 events were converted to channel 4 events.

If the two voices then sounded too similar to be distinguishable, some extra editing could be done – a small time delay (usually called a time shift) could be added to one of the tracks, or the second violin track could be transposed up or down an octave.

Some sequencers will even let you add small random variations to the note timing so that the second track sounds more like a second musician trying to play in unison.

This "sound layering" trick has been used in studios for years to improve weak sounding voices. Who knows, it might even lead to your own top twenty hit!

INTERNATIONAL SOFTWARE DISTRIBUTOR SPECIALISING IN MULTIMEDIA PRODUCTS (DISK OR CD-FORMAT) FOR AMIGA, AMIGA CD-ROM & AMIGA CD 32

SEEKS

EXCITING NEW PRODUCTS FOR DISTRIBUTION THROUGHOUT GERMANY, SWITZERLAND & AUSTRIA

&

ADDITIONAL DEALER OUTLETS IN ALL COUNTRIES

GTI CURRENTLY DISTRIBUTES TOP AMIGA PRODUCTS FROM: ALMATHERA, EUROPRESS, FRED FISH, HI-SOFT, MMM, OASE, OPTONICA, OSSOWSKI, PSYGNOSIS, WALNUT CREEK, XETEC & MANY OTHER WELL KNOWN COMPANIES.

GTI • Grenville Trading International GmbH
Zimmersmühlenweg 73
D-61440 Oberursel
Germany
Tel.: +(49) 6171 85937
Fax: +(49) 6171 8302

MAVERICK

MAIL ORDER INTO THE 21ST CENTURY

MANGA

MANGA • KISEKI • CRUSADER • ANIMANIA
ANIME PROJECTS • ANIME UK • WESTERN CONNECTION

ALL MANGA VIDEOS AND MERCHANDISE IN STOCK

PHONE OUR CREDIT CARD AND INFORMATION HOTLINE
0989 767 655

FREE CATALOGUE AVAILABLE

MAVERICK MAIL ORDER LTD
PO BOX 7, ROSS ON WYE, HEREFORDSHIRE. HR9 7YX.
TEL: 0989 767655 FAX: 0989 768563

NEW GENLOCK FROM RENDALE

At last, the new Super-VHS genlock from Rendale is available. The Super-9402 is a true S-VHS genlock, offering high quality output, together with other features. It offers the ability to fade Amiga graphics in and out, and also to cross fade between Amiga graphics and your video input. Various extra modes are offered, including two keyhole modes.

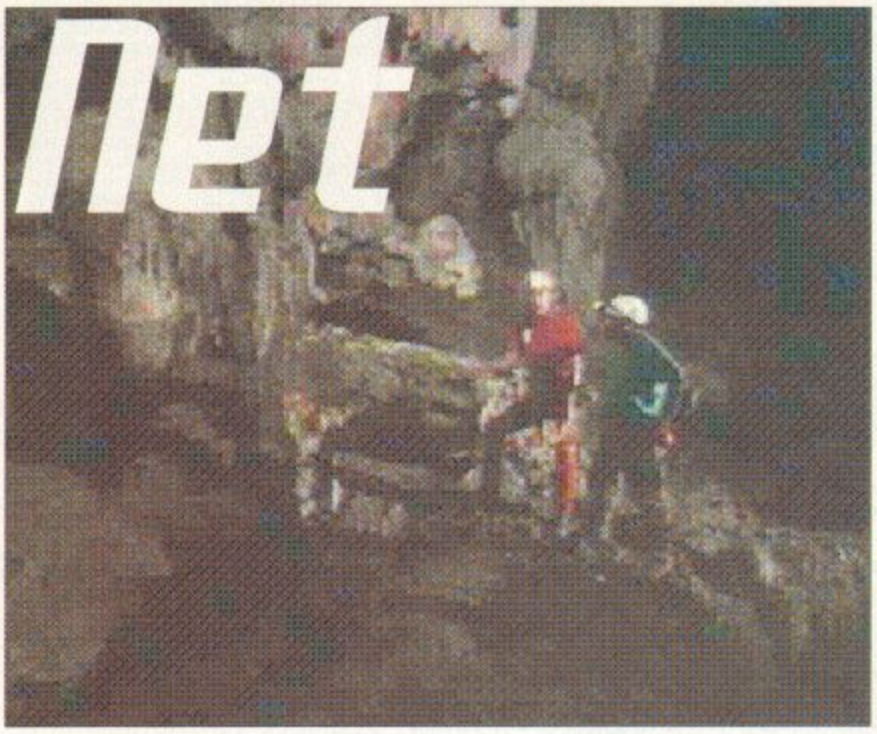
Buy this new genlock directly from the manufacturers, at a price of only £299 including VAT and delivery.

COME TO **RENDALE,** GET THE BEST.

Contact: **Marcam Ltd., 62 Tenter Road, Moulton Park, Northampton NN3 6AX.**

Tel: 01604 790466 Fax: 01604 647403

Postman Net



Going underground – the Caves network is a simple and popular area to visit

Use the Internet and your letters will never get lost in the post. Phil South shows you how

One thing you can do on the Internet if you don't have a dial up, like a Demon account etc., is mailing lists. These are a sort of extension of the conference idea, whereby a list of messages are posted to your mail box address, and contributions are mailed to a mail list server which does all the posting.

Mailing lists are fun, but usually up the level of traffic going into your mailbox by an order of magnitude, and it's fairly common that new users of mailing lists unsubscribe after the first posting to their mailbox.

However, mailing lists can be fun, and to get you started here is a list of the mailing lists you can access.

The protocol for mailing lists is as follows: You normally send a message to a list server at a subscription address (usually different to the one to which you send contributions to the list) with the line:

```
subscribe
```

or similar and thereafter you get a load of mail every time you log on. For example, to subscribe to the Lightwave list you send a message:

```
subscribe lightwave-l amigacomputing@cix.compulink.co.uk
```

and you're on. Many listservers carry more than one list, but a few only carry one, so on those systems you can omit the listname. The sysops will pull you up if you go wrong.

The lists cover a number of diverse topics and the chances are that you will be able to find a mailing list on most of the subjects you are interested in. The only requirement of the system is that you have a mailbox which is capable of being mailed from outside your system over the Internet, which means just about any system, up to and including Compu$erve.

The more obscure lists are detailed below:

List Of Lists – The list of Internet Mailing Lists contains a comprehensive (putting it mildly) list of all the mailing lists you can put yourself on. Put yourself on more than one of these and you could get anything up to a book's worth of text every day. To get a copy of the list of lists, you can either FTP to:

```
ftp.nisc.sri.com
```

and look in the /netinfo/interest-groups directory, or email:

```
mail-server@nisc.sri.com
```

and in the body of the message leave the text:

```
send netinfo/interest-groups
```

You will then receive a copy of the biggest list (over 500 pages) of detailed instructions about mailing lists and most of the lists available when the list was compiled.

Mailing List Search – To do a search through the various mailing lists, presumably to find a subject not covered in the list of lists, you can use gopher to access:

```
nstn.ns.ca
```

and look under Internet Resources, Mail Lists. There you will find a search engine to navigate you through the various list servers to find what you are looking for.

Exploring Caves – The caving mailing list is for anyone who's happiest underground. The subscription address is:

```
cavers-request@vlsi.vu.edu
```

and the address for postings to the list is:

```
cavers@vlsi.vu.edu
```

Ballooning – For all of you who hate it underground, but quite like being in the air under a hot air balloon. The subscription address is:

```
balloon-request@lut.ac.uk
```

and the address for postings to the list is:

```
balloon@lut.ac.uk
```

Comics – For the discussion of rare comics, call the comics mail list. The subscription address is:

```
comix-request@world.std.com
```

and the address for postings to the list is:

```
comix@world.std.com
```

Paganism – For all Net pagans, the pagan mailing list subscription address is:

```
pagan-request@drycas.club.cc.cmu.edu
```

and the address for postings to the list is:

```
pagan@drycas.club.cc.cmu.edu
```

Photography – The photography list, for all you budding David Baileys out there, is available from the mailing list subscription address:

```
listserv@buacca.bitnet
```

and the address for postings to the list is:

```
photo-l@buacca.bitnet
```

Film Music – For discussion about film music and music for TV and video. Anyone wanting to be John Williams when they grow up should use the subscription address:

```
listserv@ucs.indiana.edu
```

and the address for postings to the list is:

```
filmus-iubvm@ucs.indiana.edu
```

Camel Research – Well, someone has to be interested in Camel rearing and feeding, I'm sure, and also the latest research on camels and camel awareness. It's based at the Camel Research Centre at King Faisal University, Saudi Arabia, of course. The subscription address is:

```
listserv@sakfu00.bitnet
```

and the address for postings to the list is:

```
camel-l@sakfu00.bitnet
```

Lightwave – The mailing list devoted to NewTek's Lightwave program. Subscribe to:

```
listserv@netcom.com
```

and the address for postings to the list is:

```
lightwave-l@netcom.com
```

For All your PD needs in Scotland

MG's PD

(AC), The Old Farmhouse, Rosefield, Balbeggie, Perth, PH2 6AT
Tel: 0821 650488

Fast, Friendly, Efficient Service. Orders returned same day 1st class

Utilities
Super Slideshow Maker
Banner Maker
Sid v2 (HD)
M-CAD
Ultimate Icon Disk
Print A Card
Invoice Maker
Ultimate Disk Creator
Forms Really Unlimited
Last Will & Testament
Chess Tutor
Understanding Amos
EasyCalc Spreadsheet
Printer Utilities
Digital Address Book
V-Morph v2.3
Easy Print
Video Wipes
Pools Dividend Winner
Auto StereoGram
BBC Emulator
PD Disk Expander
Video Ware (weddings)

Choose 1 disk FREE with each 10 you buy

Games
PacMan De Luxe
Crazy Sue 2 (platformer)
Hell Zone (shoot-em-up)
Moria v5.4 (RPG)
Battle Cars 2 (3D driving)
Balders Grove (Brilliant)
Road to Hell (racing)
Oblivion (great shoot-em-up)
Dungeon on Nadroj
Starbase 13 (RPG) (2 disks)
Megaball
Scrabble (PD version)
Chess Games
Kung Fu Charlies
Karate (beat-em-up)
Dragon Tiles (puzzler)
Batman (PD shoot-em-up)
Tetris Pro
Green 5 (brilliant)
Global Thermo War
Scorched Tanks (excellent)
Bullrun (war game)
Shepherd (Populous type)
G-Force 2 (shoot-em-up)
Moose Drive

1200 Only
Hoi's AGA Remix (Game)
The Final Chapter (Demo) (over 18s only) (3 disks)
Super Kick + (Kickstart 1.3)
Megaball AGA (Great game)
Viewtek v2.0 (AGA pic viewer)
Planet Groove (Classic Demo)
Motorola Invaders (2 disk game)
Mand 2000 (Fast AGA fractals)
Window Blender (fast fractals)
Mad Fighters (AGA beat-em-up)
Shed Tears (2 disks, artwork)
Ferrari AGA Slides
Andy's W/B3 Utilities
A1200 W/Bench Hacks
W/Bench 3.0 Backgrounds
Bazza & Runt (platformer)
Zombie Apocalypse II
Cybertex Corps AGA (2 disks)
Evil Insects (shoot-em-up)

Spectrum Emulator V2.0
38 disks containing hundreds of Speccy games. Full listing on catalogue disk.

Music
Med v3.2
Artworx Pro Samples
20 Powerpacked Mods
Heavy Metal Mods
Pro Samples 2
Techno Mania
Drums & Pipes Music
Music Madness
Club Mix 3

Demos
Mayday (techno)
Spaced Out 2
Retina Euro (rave)
Mental Hangover
Star Trek Rave Demo
Dream Trippin
Vomit
Jesus on Cheese
9 Fingers (dance demo)
Wind it Up
Sequential (nice GFX)
Pha-Q (mate)
Beyond Belief AGA
Subliminal XTC AGA (2)

Send 3 x 1st class stamps for catalogue disk listing over 6000 titles with FREE D-Copy, FREE Game, FREE Virus Killer and FREE Up-date

Fish Disks 1 to 1000	Assassins 1 to 202	17 Bit Disks 1 to 3200+	All disks 90p p+p 70p per order	Please make cheques/POs payable to M. Grieve

FREE GAMES CHEATS 1.4 EMULATOR ON ALL NEW ORDERS

FREE LIBRARY DISK ON ALL NEW ORDERS

FREE POST & PACK ON ALL NEW ORDERS

P.D. UNDERGROUND

ARCADE GAMES
406 SPACE RESCUE
823 ORK ATTACK
235 MAYHEM
695 ANT WAR (2D)
544 AIR WARRIORS
324 CRAVE TANKS
639 TRAX TANKS
009 MISSION X
004 MUTANT CAMELS
645 DEPTH CHARGES
332 SEALANCE-SUB
710 PYRAMIDS (2D)
795 DYNO WARRIORS
800 TIME RUNNER
805 TRANS-PLANT
706 OBLITERATOR
044 21 P.D. GAMES
429 ZOMBIE APOC

PLATFORM GAMES
792 DANGER MOUSE
064 ICE RUNNER
273 KELLOG EXPRESS
791 DOCTOR STRANGE
346 FRUIT SALAD
715 SUPER BLUE KID
627 KUNG FU CHARLY
223 DOODY
711 WALLYWORLD (2D)
500 SUP-GALAXO (2D)

BOULDER - DASH
254 EAT MINES
121 MARATHON MINES
731 HAUNTED MINE
351 ROYAL MINES
732 BOND MINES

TETRIS - COLUMNS
472 GAME BOY TETRIS
293 DOCTOR MARIO
294 KLACK TRIS
107 TWIN TRIS
626 MEGA BLOX

P.D. VERSIONS
815 LEMMING PACK
005 SMASH T.V.
026 ROBOCOP 2
022 GODS
023 RICK DANGEROUS
477 CADAVA 1 & 2
717 URIDIUM
259 LCD POPEYE
025 HUNTER
024 ELF
020 LEMMING ARCADE
816 APIDYA NOAGA
028 HAMM-FIST NOAGA
027 CHUCKROCK NOAGA

DRIVING GAMES
811 RACING MANIACS
682 MOOSE DRIVE
469 ROAD TO HELL
428 SKID MARKS
735 AUTOMOBILES
333 BATTLE CARS 2
613 HIGH OCTANE 2

PUB GAMES
560 WORLD DARTS
222 FRUIT MACHINE
598 PIN BALL FLIP
261 BINGO
375 SOLITAIRE
010 POKER ARCADE
804 CARDS CASINO
803 ROULETTE

SPORTS GAMES
630 TEN PIN BOWLING
492 KARATE
104 FUTURE FOOTBALL
087 HYPERBALL
290 FIGHT WARRIORS
686 SPORT CHALLENGE
734 BILLIARDS
366 18TH HOLE (2D)

HINTS & CHEATS
812 PASSWORD MANIA
813 GAME TAMER V4.5
820 MEGA CHEATS V3
221 TITANIC CHEATS
681 30 SOLUTIONS
481 1000 CHEATS
699 50 SOLUTIONS

MANAGER GAMES
443 SLAM BALL
817 BLOOD BALL
310 TOP THE LEAGUE
824 DAY AT RACES
196 G. P. MANAGER
321 AIRPORT
404 METRO
593 SPEEDWAY
668 U.S.A. '94
322 MICRO MARKET
694 FORMULA ONE

BOARD GAMES
015 ANIMATED WAR
631 SCRABBLE
032 MONOPOLY
247 CHESS
548 BACKGAMMON
524 EXEL-ATOMS
296 RISK
229 SNAKE-LADDER

BRAIN GAMES
818 ARAZA-MAX
250 CUBE-RUBIX
374 CASTLE KUMQUAT
442 REVERSI 2
339 ROME-PIPES
716 TOP POP QUIZ
603 EXIT 13
119 DRAGON TILES
726 PEN-GO 2
317 LEXESS 2
112 DRAGON'S CAVES
309 QUIZ MASTER

A1200 AGA ONLY
522 OSCAR C.D.
503 AGA TETRIS
696 TO THE DEATH
622 MAD FIGHTERS
826 IND. ESPIONAGE
505 M-INVADER (2D)
747 ZOMBIES AP 2
786 CYBERTEK (2D)

ADVENTURE GAMES
116 STAR TREK (2D)
482 BLACK DAWN
043 SURVIVOR
041 GHOST SHIP
275 WASTELANDS
825 KNIGHTS
297 NEIGHBOURS (2D)
395 STARBASE 13 (2D)

OVER 18 GAMES
712 TERROR LINER 2
101 TERROR LINER 1

CLASSIC GAMES
778 OVERLANDER
692 SPACE INVADERS
011 ASTEROIDS
693 MISSILE COMMAND

BREAKOUT-PONG
003 MEGABALL 1
459 MEGABALL 2
421 REBOUND
007 BATTLE PONG
733 SICKBALL 2
709 WAYNE'S WORLD

SPACE BLASTERS
498 LAST REFUGE
596 GORF INVADERS
122 IN-TACTS
031 OBLIVION
343 CYBERNETICS
701 GALAGA DELUXE
679 STAR-RIANS
548 CAFFEINE FREE

DISKS COST £1.25 EACH, NO MINIMUM ORDER, ALL VIRUS FREE AND USER FRIENDLY
All Games are on 1 disk and run on all Amigas unless otherwise stated.
PICK AN EXTRA DISK FOR FREE WITH EVERY EIGHT DISKS YOU PURCHASE

UNDERGROUND P.D., 54 CARMANIA CLOSE, SHOEBURYNESS, ESSEX SS3 9YZ. Tel: 0702 295887

Name: ..... Telephone: .....

Address ..... Postcode: .....

Premier Mail Order

(E&OE)

Some titles may not be released at the time of going to press. Most titles are despatched same day, but can take up to 28 days. Please send cheque / PO (made out to Premier Mail Order) / Access / Visa No. and expiry date to:
Dept AC124, 9-10 The Capricorn Centre, Cranes Farm Road, Basildon, Essex SS14 3JJ. Tel: 0268-271172 Fax: 0268-271173
Telephone orders: Mon-Fri 9am-7pm and Sat & Sun 10am-4pm. We Are Open 364 Days A Year
P&P and VAT is included for all UK orders. Please add £2 P&P for Europe and £3.50 for Rest of the World. Next day delivery service available £4 per item

A-Train 12.99
A320 Airbus (Europe) 22.99
A320 Airbus (USA) 22.99
A320 Approach Trainer 19.99
Air Bucks 1.2 12.99
Akira 18.99
Akira CD32 19.99
Aladdin A1200 19.99
Alfred Chicken A500/A1200/CD32 17.99
Alien Breed 2 A1200 19.99
Alien Breed 2/Tower Assault 13.99
Alien Breed 2/Tower Assault CD32 19.99
Alien Breed Special Edition 10.99
Alien Breed Special Edition CD32 17.99
All Terrain Racer 17.99
All Terrain Racer A1200/CD32 19.99
Ambermoon 19.99
Amberstar 19.99
Apidya 8.99
Arcade Pool 8.99
Arcade Pool CD32 12.99
Archer Maclean's Pool 12.99
Armourgeddon 2 Codename Hellfire 19.99
B17 Flying Fortress (1 Meg) 22.99
Banshee A1200/CD32 19.99
Battlechess CD32 19.99
Battle Isle '93 17.99
Beneath A Steel Sky 20.99
Beneath A Steel Sky CD32 19.99
Benefactor 17.99
Blastar 17.99
Body Blows A1200 12.99
Body Blows Galactic 18.99
Body Blows Galactic A1200 19.99
Body Blows/Superfrog/Overdrive 19.99
Breach II 22.99
Brian the Lion CD32 17.99
Brutal Football CD32 19.99
Bubba N Stix A500/CD32 19.99
Bubble & Squeak A500/A1200 17.99
Bubble & Squeak CD32 19.99
Bump 'n' Burn A500/A1200/CD32 19.99
Burntime 22.99
Caesar/Cohort 2 CD32 22.99
Caesar Deluxe 12.99
Cannon Fodder 20.99
Cannon Fodder CD32 19.99
Cannon Fodder 2 19.99
Captive 2 - Liberation A500 or CD32 20.99
Championship Manager '93 (1 Meg) 16.99
Championship Man. End of Season D/Disk 12.99
Championship Manager Italia 16.99
Chuck Rock CD32 12.99
Civilisation (1 Meg) 22.99
Clockwiser 10.99
Club Football - The Manager 19.99
Cohort 2 19.99
Combat Air Patrol 9.99
Combat Classics 2 19.99
Contraptions 13.99
Crash Dummies 17.99
Cruise for a Corpse 12.99
Cyberspace 22.99
Cyberwar CD32 31.99
D Day - Overlord 22.99
Darkmere 20.99
Dark Seed CD32 22.99
Dawn Patrol A500/A1200 22.99
D Day - Beginning of the End 22.99
Deepcore 17.99
Deepcore CD32 19.99
Deepcore 13.99
Deluxe Music Construction Set 2.0 59.99
Deluxe Paint 4 AGA 64.99
Demomaniac 17.99
Desert Strike 12.99
Detroit A500/A1200 22.99
Disposable Hero CD32 19.99
Dizzy Collection 16.99
Dizzy Enchanted World CD32 12.99
Dizzy's Excellent Adventure 16.99
Doglight 12.99
Dracula 19.99
Dragonstone A1200/CD32 22.99
Dreamweb 22.99
Dune 2 12.99
Dune 12.99
Dungeonmaster 2 22.99
Elite 2 (Frontier) A500 or CD32 22.99
Empire Soccer '94 19.99
Epic 12.99
Excellent Games 22.99
Exile A500/CD32 19.99
Extractors CD32 26.99
Eye of the Beholder 1 or 2 12.99
Eye of the Storm 19.99
F117A Nighthawk Stealthfighter 22.99
F15 Strike Eagle 3 12.99
F17 Challenge/Project X CD32 17.99
F19 Stealth Fighter 11.99
Fields of Glory A500/A1200/CD32 22.99
FIFA Soccer 19.99
Fire Force CD32 19.99
Flashback 20.99
Flight Sim 2 Great Britain Scenery 26.99
Flight Sim 2 Hawaiian Scenery 13.99
Flight Sim 2 Japan Scenery 13.99
Flight Sim 2 Scenery Collection A 26.99
Flight Sim 2 Scenery Collection B 26.99
Flight Sim 2 USA No. 7 Washington 13.99
Flight Sim 2 USA No. 9 Chicago 13.99
Flight Sim 2 USA No. 11 Detroit Scnery 13.99
Flight Sim 2 USA No. 12 New York 13.99
Flight Sim 2 Western European Tour 13.99
Flight Simulator 2 22.99
Formula 1 Grand Prix 12.99
G2 22.99
Genesia 17.99
Global Effect 19.99
Goal! 9.99
Graham Gooch 2nd Innings 11.99
Graham Gooch - Test Match Special 19.99
Graham Gooch World Class Cricket 19.99
Guardian CD32 19.99
Grusome 16.99
Gulp CD32 19.99
Gunship 2000 12.99
Gunship 2000 CD32 19.99
Harpoon 121 12.99
Heimdall 2 A500/A1200/CD32 22.99
High Seas Trader 22.99
Hired Guns 10.99
History Line 1914-18 (1 Meg) 22.99
Hoyle's Book of Games 1, 2 or 3 10.99
Impossible Mission A500/A1200/CD32 19.99
Indiana Jones Fate of Atlantis Adv 24.99
Indy Jones Fate of Atlantis Action 8.99
Inferno CD32 19.99
Innocent Until Caught 10.99
International Open Golf CD32 19.99
International Open Golf Championship 17.99
Ishar 3 A1200 26.99
Jack Nicklaus Course Designer's Clip Art Vol 1 7.99
Jack Nicklaus Unlimited Golf 12.99
Jack the Ripper 27.99
Jaguar XJ220 8.99
James Pond 3 A500/A1200/CD32 19.99
Jetstrike A500/CD32 17.99
Jetstrike A1200 19.99
John Barnes European Football 8.99
John Madden American Football 10.99
Jungle Book A1200 19.99
Jurassic Park 17.99
Jurassic Park A1200 18.99
K240 (Non AGA) - Utopia2 A500/CD32 19.99
Kick Off 3 16.99
Kick Off 3 A1200 19.99
Kid Chaos A1200/CD32 19.99
Kid Chaos 17.99
King Pin A500 10.99
King Pin CD32 12.99
Kingmaker 22.99
King's Quest 1, 2 or 3 12.99
King's Quest 6 A500/A1200 22.99
King's Table 19.99
Knights of the Sky 10.99
Laser Squad 8.99
Leisure Suit Larry 1, 2 or 3 12.99
Lemmings 1 CD32 17.99
Lemmings 3 19.99
Lemmings Double Pack 19.99
Links - the Challenge of Golf 12.99
Lionheart CD32 14.99
Lionking A1200 19.99
Litil Divil CD32 19.99
Lords of Power Compilation 22.99
Lords of the Realm 22.99
Lost Eden CD32 22.99
Lost Vikings CD32 19.99
Lotus Esprit Turbo Challenge 8.99
Lotus Turbo Trilogy CD32 22.99
Lure of the Temptress 12.99
Magician's Castle 19.99
Man Utd Prem Lge Champs A500/CD32 19.99
Manchester United Europe 8.99
Master Axe A500/A600/A1200 17.99
Master Axe CD32 19.99
Messengers of Doom 19.99
Micro Machines 17.99
Microcosm CD32 29.99
Mighty Max A1200 18.99
Mighty Max A600/CD32 17.99
Monopoly 18.99
Mortal Combat 20.99
Mr Blobby A500/CD32 13.99
New Zealand Story 6.99
Nicky 2 17.99
Nigel Mansell's World Champ CD32 19.99
On the Ball - World Cup Edition A1200 22.99
On the Ball League Edition 19.99
On the Ball League Edition A1200 22.99
Perfect General (see Lords of Power) 19.99
Pentheilon 12.99
PGA Tour Golf 17.99
Pinball Dreams & Fantasies 22.99
Pinball Fantasies A1200 19.99
Pinball Fantasies CD32 24.99
Pinball Magic 6.99
Pinkie A500/600/1200 17.99
Pinkie CD32 19.99
Pirates Gold CD32 19.99
Planet Football A1200/CD32 22.99
Police Quest 1, 2 or 3 12.99
Populous & Promised Lands 10.99
Populous 2 12.99
Powerdrive A500/600 19.99
Powermonger & Data Disk 12.99
Premier Manager 2 7.99
Premier Manager 3 17.99
Prime Mover 17.99
Prince of Persia 6.99
Pro Tennis Tour 2 - J. Connors Grt Courts 2 8.99
Project X/F17 Challenge CD32 17.99
Putty Squad A1200 19.99
Quest for Glory 1 or 2 12.99
Qwak/Alien Breed Special Edition CD32 17.99
Rainbow Islands 6.99
Reach for the Skies 12.99
Renegade 2 16.99
Reunion A500/A600/A1200 22.99
Rings of Medusa Gold 19.99
Robinsons Requiem 22.99
Rookies 16.99
Rugby League Coach 19.99
Ryder Cup A1200 17.99
Ryder Cup CD32 20.99
Sabre Team CD32 20.99
S.U.B. 19.99
Scrabble 18.99
Second Samurai A500/A1200/CD32 19.99
Secret of Monkey Island 2 (1 Meg) 24.99
Secret of Monkey Island 12.99
Sensible Soccer 92/93 16.99
Sensible Soccer CD32 19.99
Sensible Soccer International Edition 13.99
Sensible Soccer International CD32 16.99
Sensible World of Soccer 19.99
Settlers 19.99
Shadow Lands 8.99
Shuttle - Space Flight Simulator 12.99
Sierra Soccer 16.99
Silent Service 2 12.99
Sim City 2000 22.99
Sim City Deluxe 22.99
Sim Classics 22.99
Sim Life A500/CD32 22.99
Simon the Sorceror 29.99
Simon the Sorceror A1200/CD32 26.99
Simon the Sorceror 2 22.99
Simon the Sorceror 2 A1200/CD32 26.99
Skeleton Krew A1200/CD32 22.99
Skidmarks 17.99
Skidmarks CD32 19.99
Soccer Kid CD32 19.99
Soup Trek (The Search for Stock) 19.99
Space Quest 1, 2 or 3 12.99
Space Quest 4 22.99
Speedball 2 8.99
Star Trek A1200 22.99
Starush 16.99
Streetfighter 2 12.99
Super Cars 6.99
Superfrog CD32 12.99
Super League Mngr A500/A1200/CD32 19.99
Superloopz A1200 17.99
Superloopz CD32 19.99
Super Putty CD32 12.99
Super Stardust A1200/CD32 19.99
Surf Ninjas CD 32 13.99
Syndicate 22.99
T.F.X. A1200 26.99
T.F.X. CD32 22.99
Tactical Mgr - English, Scottish or Italian 19.99
Team 17 Collection Vol. 1 19.99
Test Match Cricket 16.99
The Blue & The Grey 22.99
The Clue A1200 19.99
The Greatest 21.99
Theatre of Death 9.99
Theme Park A500/A1200 22.99
Tom Landry Strat DLA A500/A600/A1200 19.99
Top Gear 2 A1200 17.99
Tornado A500/A1200 9.99
Tornado & Desert Storm 9.99
Tower Assault A500/A1200 13.99
Tracon 2 22.99
Traps 'n' Treasures 17.99
Trolls A500 or A1200 9.99
Trolls CD32 19.99
Turbo Trax 17.99
TV Sports Duo CD32 19.99
U96 22.99
UFO A1200 22.99
UFO CD32 19.99
Ultimate Body Blows CD32 19.99
Ultimate Pinball Quest 19.99
Uncovered 17.99
Universe A500/CD32 22.99
Valhalla 19.99
Vikings 9.99
Vital Light A500/600/A1200 19.99
Wembley International Soccer A1200 17.99
Wembley International Soccer .CD32 19.99
Wembley Rugby League A500/A1200 17.99
Wild Cup Soccer A500/A1200 17.99
Wild Cup Soccer CD32 19.99
Wing Commander 12.99
Winter Challenge 22.99
Winter Supersports A500 or A1200 17.99
World Cup USA 1994 17.99
World Cup Year '94 19.99
Zeewolf 19.99
Zeewolf 16.99
Zonked CD32 19.99
Zool 2 CD32 19.99
Zool CD32 19.99

3.5" BLANK DISKS

	TDK/VERBATIM (BOXED)		PRECISION (BOXED)		UNBRANDED (LOOSE)	
	LOW	HIGH	LOW	HIGH	LOW	HIGH
10	7.99	9.99	6.49	7.99	5.99	6.99
20	14.50	19.50	11.99	15.50	10.99	13.99
50	35.00	47.50	26.00	37.50	25.99	32.99
100	65.00	95.00	49.99	72.99	44.99	62.99
200	125.00	190.00	94.99	141.99	83.99	121.99
500	300.00	470.00	219.99	350.00	199.99	287.50
1000	580.00	930.00	419.99	680.00	369.99	550.00

RECYCLED DS/DD LOW

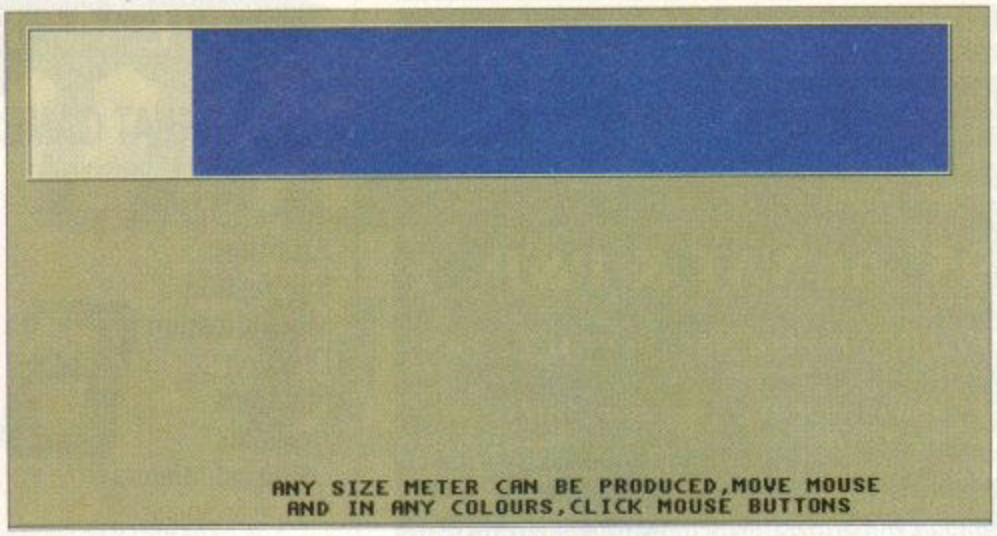
10 4.50 20 8.50 50 17.50 100 35.00

SPECIAL OFFERS
Alien Breed 2 12.99
Arabian Knights A500/CD32 9.99
Championship Manager '93 16.99
Chaos Engine 9.99
Civilisation A1200 17.99
Cool World 8.99
John Barnes European Football CD32 9.99
Lemmings 2 The Tribes 12.99
Nick Faldo's Golf 12.99
Nigel Mansell's World Champ A1200 12.99
Shadow Worlds 9.99
Soccer Kid A500/A1200 9.99
Zool A500/A1200 8.99
Zool 2 A500/A1200 10.99

EDUCATIONAL
ADI English (All Ages) 17.99
ADI French (All Ages) 17.99
ADI Maths (All Ages) 17.99
Better Maths (12-16) 13.99
Better Spelling (8-14) 13.99
Cave Maze (8-12) 10.99
Fraction Goblins (8-13) 10.99
Fun School 2 (U6) or (6-8) or (8+) 6.99
Fun School 4 (U5) or (5-7) or (7-11) 16.99
Junior Typist (5-10) 10.99
Magic Math (4-8) 13.99
Maths Dragons (8-13) 10.99
Maths Mania (8-12) 13.99
Mickey's 123's (2-5) 13.99
Mickey's ABC's (2-5) 13.99
Mickey's Jigsaw Puzzles (5+) 13.99
Noddy's Big Adventure (3+) 16.99
Paint & Create (5+) 17.99
Picture Fractions (7-10) 10.99
Reasoning with Trolls 10.99
Tidy the House (8-10) 9.99

JUNIOR ADVENTURE
Robin Hood (8+) 13.99
Scrooge (A Christmas Carol) (6+) 13.99
The Three Bears (5-10) 13.99
Wind in the Willows (8+) 13.99
Wizard Of Oz 13.99

JOYSTICKS/ACCESSORIES
Analog Adaptor 4.99
Cheetah 125+ 7.99
Cheetah Bug 11.99
Competition Pro Extra 14.99
Disk Box (10 capacity) 1.99
Disk Box (40 capacity) 4.99
Disk Box (50 capacity) 5.99
Disk Box (80 capacity) 6.99
Disk Box (100 capacity) 7.99
Freewheel Steering Wheel 24.99
Gravis Advanced Switch Joystick 22.99
Gravis Gamepad 15.99
Mouse 10.99
Mouse Mat 1.99
Quick Joy Jet Fighter 11.99
Quick Joy Pedals 17.99
Quick Joy Top Star 17.99
Quick Joy 2 Turbo 10.99
Saitek Megagrip II 10.99
Suncom Slik Stick 5.99
Suncom Tac 2 7.99
Wico 'Q' Stick 4.99



3D Meters



With the help of the knowledgeable, Phil South looks at 3D meters

Regular readers may remember I recently did a meter program for Amos which allows you to show a task in operation by the use of a meter – a gauge which slowly fills up from the left to the right. Well, regular contributor Malcolm Lavery took this to heart and has come up with his own routine along similar lines, and I liked it so much I thought you might like it too.

The program, called 3D Meter, not only shows you the meter, but it shows you how to resize the meter with the mouse as it fills up. It is a nice bunch of routines and nicely coded for the hard of thinking.

The program starts with the title, then of course there is all the set-up stuff:

```
X=20
Y=10
_VALUE=0
```

Variables assigned, you then have to open a screen:

```
Screen Open 0,640,256,16,Hires
Palette
$0,$FFF,,,$CCC,$EEE,$999,$333,$88F,$A00,$800,$A0,$80,
$A,$8
Curs Off : Cls 0 : Flash Off
Limit Mouse 0,0 To 640,500
```

That's the first screen, including a custom palette and a mouse limit too. As we are going to do a fast line redrawing move, we also need a second screen:

```
Screen Open 1,640,256,16,Hires
Palette
$0,$FFF,,,$CCC,$EEE,$999,$333,$88F,$A00,$800,$A0,$80
,$A,$8
Curs Off : Cls 0 : Flash Off
```

Right. Now if you are doing any fast-flipping, page-based animation-type things you need to turn on Double Buffer, so lets do that next:

```
Double Buffer
Autoback 0
Bob Update Off
Limit Mouse 0,0 To 640,500
```

The Autoback and Bob Update Off commands control the rate at which the screen is updated. Autoback 0 means that the Autoback system is turned off and the graphics are drawn to the logical screen as fast as possible. Bob update off means that automatic screen updates are turned off too.

Okay we're ready to rock'n'roll. Set the screen to screen 0 and set the starting mouse co-ords:

```
Screen 0
X Mouse=200
Y Mouse=100
```

and also set a couple of variables, which control the colours of the bars in the meter:

```
BCOL=6
FCOL=9
```

This brings us to the loop. The first bit controls the colours of the bars in the meter using the mouse buttons, and the size of the box:

```
Do
XSIZE=X Screen(0,X Mouse)
YSIZE=Y Screen(0,Y Mouse)
If XSIZE>X and YSIZE>Y
If Mouse Key=1
FCOL=Rnd(16)
End If
If Mouse Key=2
BCOL=Rnd(16)
End If
```

Now we are finally ready to call the 3D Display PROC:

```
_3D_DISPLAY[0,0,639,255,0,6]
```

add a little explanatory text, in ink colour 0,6:

```
Ink 0,6
Text 150,240,"ANY SIZE METER CAN BE PRODUCED,MOVE
MOUSE"
Text 150,250," AND IN ANY COLOURS,CLICK MOUSE BUT-
TONS"
```

and then call the 3D Meter PROC:

```
_3D_METER[X,Y,XSIZE,YSIZE,_VALUE,FCOL,BCOL]
```

Then you can copy the contents of screen 0 to 1, swap the screens, wait for a vertical blank and then add to the length of the bar with the _VALUE variable:

```
Screen Copy 0 To 1
Screen Swap
Wait Vbl
Add _VALUE,2
```

Then we can end the loop:

```
End If
Loop
```

That's the main program to control the technique, but what about the PROCs? These are very simple and elegant:

```
Procedure
_3D_METER[X,Y,WIDTH,HEIGHT,_VALUE,FCOL,BCOL]
LE=Text Length(TEX$)
X_TEXT=X+WIDTH/2
Y_TEXT=Y+HEIGHT/2+3
HILIGHT=5
SHADOW=7
Ink HILIGHT
Draw X,Y To X+WIDTH,Y
Draw X,Y To X,Y+HEIGHT
Ink SHADOW
Draw X+WIDTH,Y+1 To X+WIDTH,Y+HEIGHT
Draw X+WIDTH,Y+HEIGHT To X,Y+HEIGHT
HILIGHT=7
SHADOW=5
Ink HILIGHT
Draw X+1,Y+1 To X+WIDTH-1,Y+1
Draw X+1,Y+1 To X+1,Y+HEIGHT-1
Ink SHADOW
Draw X+WIDTH-1,Y To X+WIDTH-1,Y+HEIGHT-1
Draw X+WIDTH-1,Y+HEIGHT-1 To X-1,Y+HEIGHT-1
Ink BCOL
Bar X+2,Y+2 To X+WIDTH-2,Y+HEIGHT-2
If _VALUE+X____0
Ink FCOL
Bar X+2,Y+2 To X+2+_VALUE,Y+HEIGHT-2
Else
Ink FCOL
Bar X+2,Y+2 To X+WIDTH-3,Y+HEIGHT-2
End If
End Proc
```

The values are passed to the PROCs by variables which means you can change the size, and the boxes are drawn to the correct sizes all the time as you go along:

```
Procedure
_3D_DISPLAY[X,Y,WIDTH,HEIGHT,IN_OUT,_FILL]
If IN_OUT=0
HILIGHT=5
SHADOW=7
End If
If IN_OUT=1
HILIGHT=7
SHADOW=5
End If
Ink HILIGHT
Draw X,Y To X+WIDTH,Y
Draw X,Y To X,Y+HEIGHT
Ink SHADOW
Draw X+WIDTH,Y To X+WIDTH,Y+HEIGHT
Draw X+WIDTH,Y+HEIGHT To X,Y+HEIGHT
Ink _FILL
Bar X+1,Y+1 To X+WIDTH-1,Y+HEIGHT-1
End Proc
```

Do it yourself

See if you can write a program which automatically senses the size of a screen and produces a 3D meter on that screen in the right size. Or how about a meter with 3D edges but a rainbow bar up the middle? Or a vertical meter with ratings up the side? The possibilities are limited only by your imagination.



Write stuff

If you have an Amos question, or a routine you'd like to share with the world, then please write to Phil South, Amos Column, Amiga Computing, Europa House, Adlington Park, Macclesfield SK10 4NP.

ONLY POOLS & HORSES

The software which predicted Norton's Coin, at 100/1, to win the Gold Cup is now available by mail order. To get your hands on a copy of our No. 1 selling Horse Racing Software, The Tipster™, please send cheques or postal orders payable to Sidmouth Software (we also take Access or Visa), for the sum of only:

£34.95 inc VAT & P&P

AMIGA COMPUTING READERS' SPECIAL OFFER

Buy The Tipster™ and receive The Dogs™, our Greyhound Racing software, or The Punter™, our pools software, FREE OF CHARGE. Yes, to celebrate the opening of our new offices, we are GIVING AWAY one piece of software with each Tipster™ sold. Purchase two and get one free for only £49.95 including P&P and VAT. Don't delay, write or phone today, we cannot keep this offer open for more than one month.

A demo disk is available for £9.95
(Re-fundable against purchase).

Sidmouth Software

PO BOX 7, SIDMOUTH, DEVON EX10 0TD

Office Hours ☎ 01395 567073
Late Night Sales ☎ 01404 814547

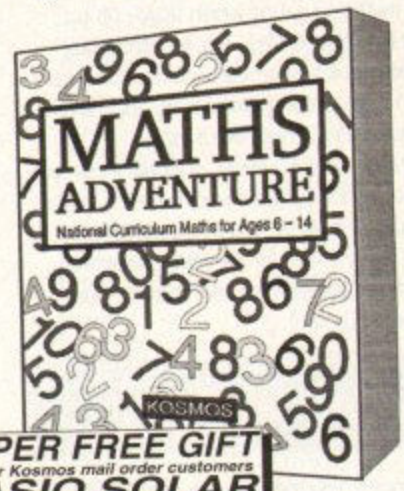
VISA ACCESS

INCREDIBLE NEW RELEASE

FOUR GREAT GAMES

and all this Maths revision

Times Tables
Addition
Subtraction
Multiplication
Division
Fractions
Decimals
Using calculators
Shape & Space
Money problems
Measurements
Number patterns



SUPER FREE GIFT
only for Kosmos mail order customers
CASIO SOLAR CALCULATOR

AMIGA MATHS ADVENTURE

For ages 6-14 Price £25.99 inc. VAT

Now available from your dealer or direct from Kosmos.

Write or telephone for our new FREE 16-page colour brochure of Educational and Leisure software (Please state computer type)

Kosmos Software Ltd, FREEPOST (no stamp needed)
DUNSTALE, Beds. LU5 6BR
Telephone 0525 873942 or 875406

ACCESS Kosmos SOFTWARE VISA

COOMBE VALLEY SOFTWARE

EDUCATION ADVENTURES

Written by experienced teachers

MATHS DRAGONS. Ages 5-12+
Designed to give practice in the four rules of number. Sum type and degree of difficulty can be selected. Set in the caverns of the Maths Dragons, you must rescue the scattered pieces of your train set from the attractions of the baby dragons.

REASONING WITH TROLLS. Ages 5-12
You play the part of the Smallest Billy Goat Gruff, who wants to get to the other side of the river where the grass is greener. In order to get there you must cross a number of bridges, each with a resident troll. Safe passage will depend on your answers to a set of graded, reasoning questions.

TIDY THE HOUSE. Ages 5-9
A first adventure game, set in the familiar territory of an untidy house, where the player must get their younger brother and sister ready to go out and do a bit of tidying up at the same time. The game helps develop reading and keyboard skills, plus logical thought and planning.

TIME FLIES. Ages 5-13
Father Time has gone out for the day, leaving you to dog sit the Watch Dog. He's easy to look after, just give him his food and water and take him for a walk and he'll be happy. It's a pity the Time Flies have got loose but if you are good at solving time problems, they shouldn't be too much trouble. You set the type of problem and level of difficulty.

CAVE MAZE. Ages 8-13
A first adventure for a slightly older age range. You have befriended a lost, hungry and slightly awkward, baby dragon. All you have to do now is to find his lunchbox, feed him and then guide him home past the obstacles in a maze of caverns. The game helps develop reading and keyboard skills plus logical thought and planning.

PICTURE FRACTIONS. Ages 7-10
This game is designed for those who have just started fraction work and who are not yet ready to deal with them in purely numerical form. Questions are presented in the form of pictures from which the player must work out a fraction and then answer in either word or number form.

FRACTION GOBLINS. Ages 8-13+
A game which gives practice in fractions. Any or all of the rules of number can be selected, as can the difficulty level and type of fraction. The simplest level will allow the most hesitant novice to succeed while the hardest will probably require pencil and paper no matter how good you are.

AUDIO GALLERY

Audio Gallery, from Fairbrothers Inc., brings a foreign language to life.
ENGLISH, FRENCH, GERMAN, ITALIAN, PORTUGUESE, SPANISH – £35.95
CHINESE, JAPANESE, KOREAN, RUSSIAN – £39.95

USERS SAY:
"Enclosed is the demo disk I ordered several weeks ago. I would now like to order the whole German Disk Set...I am very impressed with the quality of the graphics of this program and am excited about receiving the entire program."

"...the word SPECTACULAR is an understatement. The concept is fantastic, the clarity of speech is wonderful and I was struck by the amount of vocabulary I learned. I entend to spread the word about your program to every educator I meet. Thank you for this wonderful program."

REVIEWERS SAY:
"If you're just starting to learn a foreign language, the Audio Gallery series is indispensable as a learning tool...If you're planning a trip abroad, a good phrasebook and the appropriate Audio Gallery title will give you everything you need to know to survive in the language. I highly recommend the whole series." – *Info.*

"A truly original idea is a rare thing...Fairbrothers Inc. in the US has apparently achieved the impossible by releasing a product that stands alone in the market, offering the answer to a question that's hitherto been ignored...the mastering of a foreign language.
"The software is designed to provide a complete library of everyday words in a whole range of languages...All in all it's a good package and ideal for teaching children...it could become the perfect learning tool for all ages." – *Amiga Computing*

- **All words and phrases Fully Digitized Speech**
- **Includes Dictionary, Pronunciation Guide, Quizzes**
- **25-30 Topics such as Weather, Numbers, Food etc.**
- **7-8 Disk Set – For the Student, Traveller, Businessman**

Coombe Valley Software • 18 Nelson Close • Teignmouth • Devon • TQ14 9NH
Tel: 0626 779695

Send SAE for details. Send 50p or disc for demo. Please specify your computer and software in which you are interested.

That's a wrap!



Colourful and attractive, plain and simple. Your cover can be either of these but it must be informative. Ben Pointer helps you along the way

Your mother always told you never to judge a book by its cover, and while the metaphor may be true, the reality is that the covers of most publications are specially designed to attract your attention and make you want to read them. At the very least, covers exist to tell you what to expect inside.

How you design your cover depends on the job it has to do. If it's there just to identify the contents and stop the pages wearing out, then a bold title on some stiff card will be good enough. Simple typography is the order of the day for this type of cover.

There are two or three elements to be considered: the title, a few lines expanding on the title (often called "cover lines"), and the author of the work when appropriate.

The title and cover lines are your main design materials. Look hard at the words in the title and write them down in different ways – as a single line, as two lines ("double decked"), three lines, right justified, left justified, centred and so on.

If the title has something like "and the" or "with a" or "to the" in the middle of it, consider setting these words smaller than the others, or in a different font or style. Decide which is the most important word in the title, and consider setting that word larger, or in a different font or style.

Roll the title around your head and get a feel for the mood it arouses in you. Does it make you feel angry or indignant? Then don't set the title small in a wimpish font. Or maybe that's exactly the contrast in emotions you'd like to project?

PERSONAL

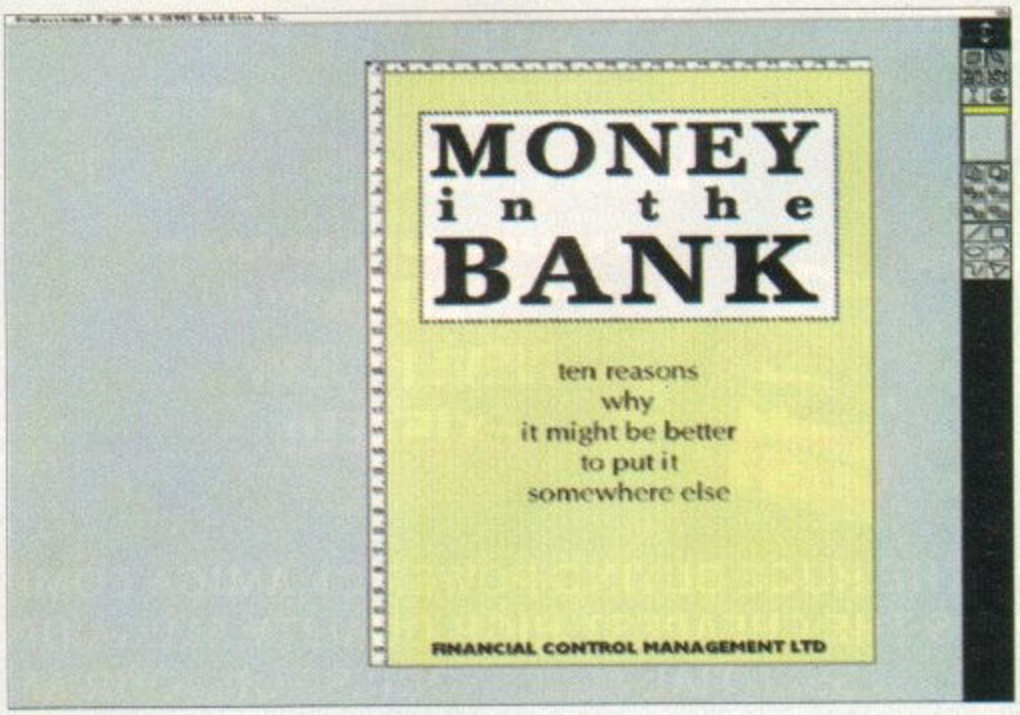
Is the title personal? I mean, does it have the word "you" in it? Then set that word big so casual readers can be in no doubt that inside there is information that will be of advantage to them.

Does the title make you feel nothing? Then either you are a Vulcan or you need a new title.

Once decided on the size and shape of the title, step back and look to see if there is any simple design that will "set it off". Would a frame help? Or a rule above and below?

Avoid "funny" cartoons. You might think it is subtly amusing and sums up the title but someone else may see it entirely differently and be put off by it, or even take offence.

And always keep in mind that while too little design will not catch the eye of the casual reader, too much decoration will be confusing. The way you have set the title may be enough decoration on its own.



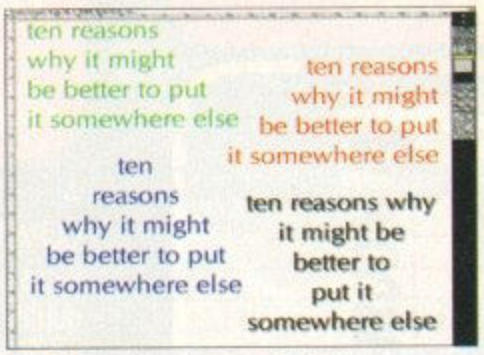
Simple typography has a better chance of catching the casual reader's eye than too much decoration.

If the publication is the work of one person and that person wants their name on it, what you do with the author's name depends on who the author is.

If the author is a recognised authority on the subject, and if there are rival publications on the subject, then it will help your publication if the author's name is prominent – maybe even more prominent than the title itself.

Many, many book covers use this trick. But if the author is not well known, setting his or her name in tall, bulky letters will only serve to remind people that they have never heard of he/she.

Always remember that if you publish many authors' names, giving one of them special treatment may very well upset the others. No way do you want an upset author crying down the phone at you expecting an ego-massage.



Study the shapes made by the words; waterfalls and staircases are considered poor design.

For company reports it is often convenient to have a standard cover which can be used to contain different but similar documents.

Overprinting can be used here. Decide on a standard layout that will contain the name of your firm or department, and "holes" in the design where title, cover lines and the author's name go, plus any other variable details that you require on the cover. Any decorations like frames or rules will be on this standard cover.

You can get this printed umpteen times, and then overprint the details for as many copies as are necessary. Thin card can be used with most laser printers – for inkjet printers that won't take thin card you might like to use coloured

Word wise

Cover lines are meant to be read. They can be set decoratively, but use a decorative font at your peril. Cover lines should be set in a single font and style, smaller than the title, but not so small that they cannot be read easily from a few feet away.

Again, write down the words in different ways – double decked, triple decked, different justifications and so on – and study the shapes that result. Avoid waterfalls or staircases, where each line is a little longer or shorter than the one above. As far as composition goes, cover lines should be a single sentence that sums up the essence of the publication, or of the story which is being advertised on the cover.

Make that an absolute rule – one short sentence containing no more and no fewer words than are necessary to get the message across. If you really must expand further, then either do it inside the front cover (literally on the reverse side of the cover) or on the back cover.

RELEASE THE POWER AN AMIGA COMPUTING

THERE ARE NO PRICE CHANGES DUE TO CURRENT MEMORY SHORTAGES. THESE ARE TODAY'S PRICES AVAILABLE TODAY!

ALL MEMORY BOARDS COME COMPLETE WITH FREE DISK INCLUDING MEMORY TEST SOFTWARE.



A MEMORY UPGRADE WILL UNLOCK THE FULL POTENTIAL OF YOUR AMIGA AND ALLOW YOU TO DISCOVER NEW HORIZONS YOU NEVER NEW EXISTED!



BRING YOUR AMIGA TO US FOR ON-THE-SPOT FREE INSTALLATION

Save on the P&P. Pick up your upgrade and save on delivery charges. What's more, bring your computer with you and we will fit your memory upgrade and test it for free!. Personal callers are very welcome but please phone before visiting to confirm the item you want is in stock. We have disabled access.

THANKS TO THE HUGE BUYING POWER OF AMIGA COMPUTING WE CAN GIVE OUR READERS THE CHEAPEST HIGH QUALITY AMIGA UPGRADES AND OTHER ESSENTIAL ACCESSORIES FOR YOUR AMIGA.

MOUSE



£7.99

A superb replacement Amiga mouse.

This Amiga Computing mouse is a major enhancement because it uses micro switches for the buttons. Our mouse also has a much higher resolution - 280 dots per inch which means you need much less desk space and you get a much finer control.

12 GOOD REASONS TO BUY FROM AMIGA COMPUTING

All the products offered by AMIGA COMPUTING have been carefully selected by us as being the best in their class. But top quality does not mean top price. Thanks to our huge buying power, we can deliver to our readers the best products at the best prices.

1. All memory boards are populated with memory.
2. All memory boards are individually tested.
3. Support from a top engineer is just a phone call away.
4. All memory upgrades are simple to fit, trap door upgrades - no soldering and no need to open your Amiga's case.
5. No minimum order and no credit card surcharges.
6. Memory upgrades carry a five year warranty.
7. 28 day no-quibble money back guarantee.
8. We are here until 8pm every day during the week.
9. 24 hour order hotline.
10. Because we only sell a few items, your order will normally be supplied straight from our stocks.
11. Your credit or debit card will not be processed if the item you order is not in stock.
12. Experienced sales staff are on hand for when you order or if you need advice before placing an order.

TURBO DELIVERY

NEXT DAY DESPATCH AVAILABLE FOR ORDERS PLACED BY TELEPHONE ONLY.
POSTAGE AND PACKING FOR TURBO DESPATCH IS £5

OF YOUR AMIGA WITH MEMORY UPGRADE!

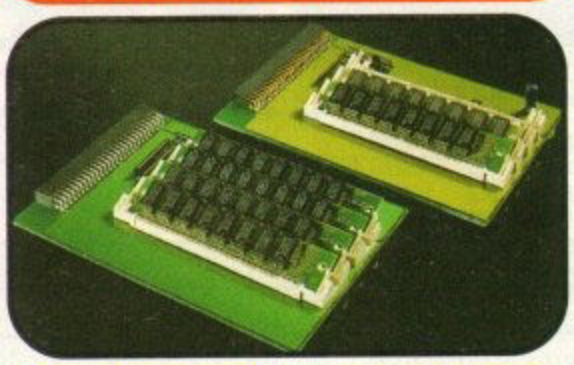
AMIGA A500



Upgrade to 1Mb **£12.99**

Upgrade inc.Clock **£17.99**

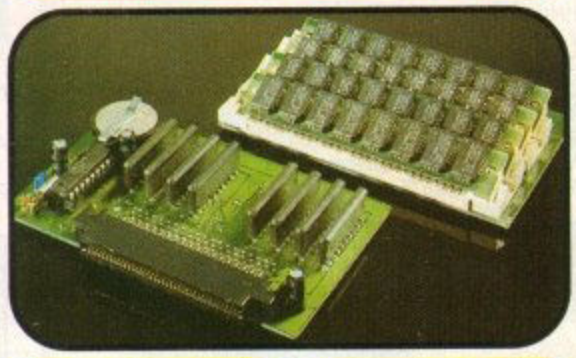
AMIGA A500+



Upgrade to 1.5Mb **£13.99**

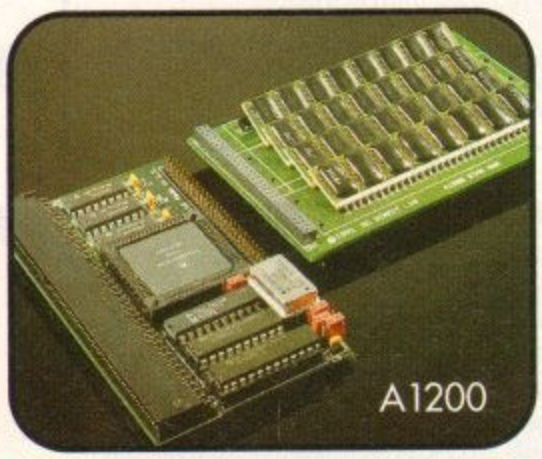
Upgrade to 2Mb **£20.99**

AMIGA A600



Upgrade to 2Mb **£22.99**

Upgrade inc.Clock **£27.99**



AMIGA A1200

Our A1200 upgrades come complete with clock and optional 25Mhz maths coprocessor. They fit in the trap door and feature full 32bit Fast Ram.

Upgrade to 4Mb **£129.00**

Upgrade inc. Math **£154.00**

Upgrade to 6Mb **£189.00**

Upgrade inc. Math **£214.00**

ORDER HOTLINE

04873 582

Lines are manned from **Monday to Friday 10am to 8pm** and on **Saturday 10am to 4pm**.

If you call outside these hours you can place an order by answer phone - just give the information on the order form in the order it appears. You might find it easier to complete the order form before calling so that you can read directly from it.

Please allow 28 days for delivery from when we receive your order. For non receipt of goods phone 04873 582 Monday to Friday between 10am and 6pm.

COMPO

AMIGA COMPUTING SPECIAL OFFERS
COMPO SOFTWARE LTD.
UNIT 3, GREEN FARM, ABBOTTS RIPTON,
HUNTINGDON, CAMBS PE17 2PF

PRIORITY ORDER FORM

Order by telephone by calling **04873 582 Mon to Fri 10am to 8pm / Sat 10am to 4pm.**

1. ORDER ITEMS (✓)

- ❑ Mouse.....£7.99
- ❑ A500 upgrade to 1Mb.....£12.99
- ❑ A500 upgrade to 1Mb inc.clock.....£17.99
- ❑ A500+ upgrade to 1.5Mb.....£13.99
- ❑ A500+ upgrade to 2Mb.....£20.99
- ❑ A600 upgrade to 2Mb.....£22.99
- ❑ A600 upgrade to 2Mb inc.clock.....£27.99
- ❑ A1200 upgrade to 4Mb.....£129.00
- ❑ A1200 upgrade to 4Mb (Copro)...£154.00
- ❑ A1200 upgrade to 6Mb.....£189.00
- ❑ A1200 upgrade to 6Mb (Copro)...£214.00
- ❑ A1200 CoProcessor only.....£27.00

TOTAL GOODS VALUE		
P&P (1 Item = £2.00 2 or more Items = £3.00)		
TOTAL ORDER VALUE		

Cheques Payable to Compo Software
Please send to: Amiga Computing Special Offers.
Compo Software Ltd. Unit 3, Green Farm,
Abotts Ripton, Huntingdon, Cambs PE17 2PF

2. DELIVERY DETAILS

Delivery Address_____

Postcode_____

3. CUSTOMER DETAILS

Name_____
(This should be the name written on the Cheque or Credit Card if payment by this method).

Telephone No: (_____) _____

4. PAYMENT DETAILS (✓)

Credit Card

(✓) ❑ ❑ ❑ ❑ ❑

Card Number

Switch Issue No_____

Expiry Date ____/____/____

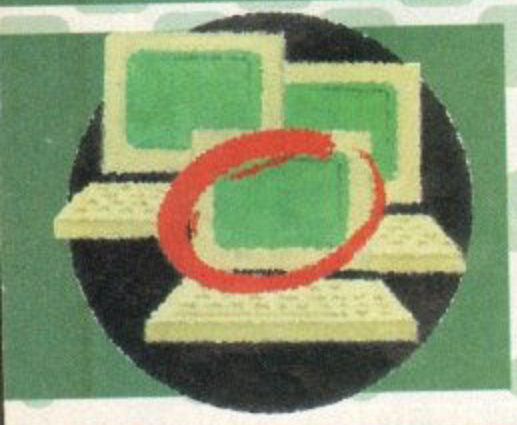
Signature _____

Cheque (4) ❑ Postal Order (4) ❑
Cheques Payable to Compo Software

As long as your ad is ten words or less, it's absolutely free! Should you want more space, you'll find unrivalled value-for-money – for instance, 25 words cost just £10. Fill in the form below and send it to us with your payments (if applicable) – and remember to include your telephone number!

- Amiga 4000/40 120Mb H/D 6Mb RAM, offers. Tel: 0684 566457.
- A600 20Mb HD 5 months old, games etc, £325 ono. Tel: 0296 681107.
- 1940 monitor, £180 boxed as new. Tel: Vijay 081-951 3342, London.
- Contacts wanted, Andrew, 16 Highview Blackwater, Truro, Cornwall, England TR4 8EL.
- Wanted: help to set up a BBS. Tel: Gary. 0374 769475.
- Amiga A1200, 2Mb, two external drives, boxed, £250. Tel: 0403 267578.
- A4000 030 85Mb Hard Drive 4Mb memory, £700. Tel: 0252 614366.
- D-Day for sale as new, £10. Tel: 0602 208511.
- Morph plus, unwanted gift, as new, £90 ono. Tel: 0934 876024.
- Amos pro and compiler, £50 ono. Amos 3D, compiler, £50 ono, Tel: 0585 461406.
- 50 used 3.5" disks, quick sale, £15. Tel: 0585 461406.
- Game makers manual. Huge book, only £8. Tel: 0585 461406.
- Complete Amiga 1200 system for sale. For details tel: 0585 461406.
- CD32, mouse, software, boxed as new, £150. Tel: Bedford 843180.
- PD swapping A500. Tor Andersen, Andrbk 14, N-2323 Ingeberg, Norway.
- Mastering Amiga Amos £10. Stardust £5. Immortal £5. Tel: 0762 331877.
- Contacts wanted, Darren Andrews, 2 Camross drive, Shrewsbury, Shropshire SY1 3XH.
- Imagine 3.0 £250 ono. Tel: 081-855 8286 after 6pm.
- Amiga contacts wanted, Amanda,150 Field Rd, Forest gate, London E7.
- 1Mb x 9 simms, 3 OFF, £25 each, 80387 SLC25MHD £50. Tel: 0403 242102.
- Jurassic Park game for sale, boxed £10. Tel: 0628 20158.
- Epson LQ-100 printer for sale, £150 ono. Tel: 0226 286297.
- Contact wanted, send list, M. Mizzi, 32 Triq ID-Duluri, Zejtun, Malta, ZTN02.
- For sale, Amiga 1200 + upgrade £350 ono. Tel: Richard 0263 722169.
- Amos contacts, Chris Evans, RR7 ST Thomas on Canada, N5P 3T2.
- Fractal Generator for sale, £25. Tel Shane: 0703 554666.

Classifieds



Order form

Name _____

Address _____

Postcode _____ Telephone _____

					FREE
					£6
					£10

Cheques should be made payable to " Amiga Computing" .

Please include my advertisement in the next available issue of *Amiga Computing*. I confirm that the advert is not selling illegal copies of software or hardware that do not belong to me. I permit you to publish my address/telephone number only if I have included these details within my advertisement copy. I am over 18 years of age (applicants under 18 must get a parent or guardian to sign below).

Signed .....

Send to: **AC Classifieds, Europa House, Adlington Park, Macclesfield SK10 4NP**

Remember to include your phone number/address in the advert as well as on the form!

The Edge 2.0 upgrade

Engrossed by our Edge 2.0 CoverDisk? Make sure you take it all the way with the full package, including manual, for the special offer price of just $75 (including $15 for shipping).

Edge 2.0 is a text editor with configurable power that is unmatched. When it comes to working on AmigaDOS scripts and the like, this is the software to choose.

We hope to be able to arrange payment by cheque in the UK very soon.

Please send me Edge 2.0 (the full product)

Deliver to...

Name (Mr/Mrs/Miss/Ms) _____

Address _____

Postcode _____ Daytime Telephone _____

Complete the coupon and return it to;

Europe

INOVAtronics GmbH, Lise-Meitner-Str. 1, 85716 Unterschleissheim, Germany

You can order by card on: **Tel: 010 49 89 3173164 Fax: 010 49 89 3174957**

Payable by credit card (Visa, EuroCard & American Express)

Card no. _____ Expiry date _____

Rest of World

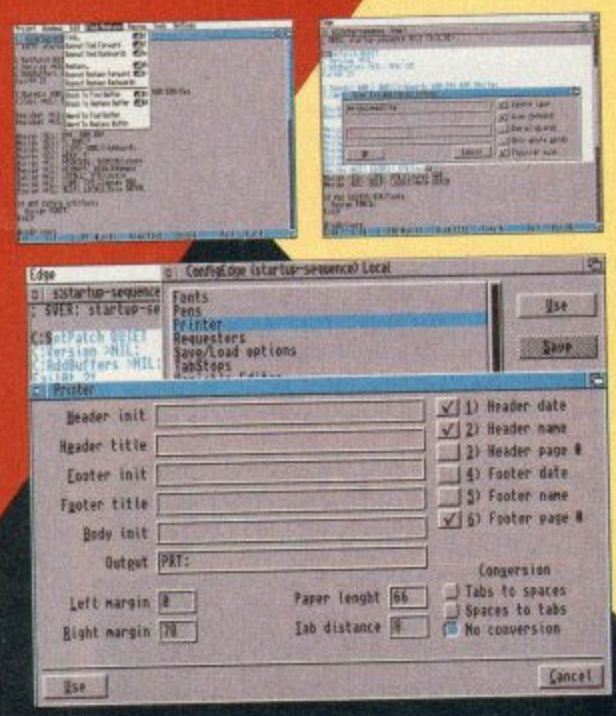
INOVAtronics Inc, 8499 Greenville Ave.#209B, Dallas, TX 75231

You can order by card on: **Tel: 010 1 214 340 4991 Fax: 010 1 214 240 8514**

Payable by credit card (Visa, EuroCard & American Express)

Card no. _____ Expiry date _____

INOVAtronics and *Amiga Computing* will hopefully be able to offer non-credit card holders the chance to upgrade in the near future, at which point you will be notified in the magazine



50 TOP AMIGA GAMES

FOR ONLY £9.99 POSTPAID!!

These games are NOT Public Domain or Shareware!
They are ALL 1993 Copyrighted games titles!

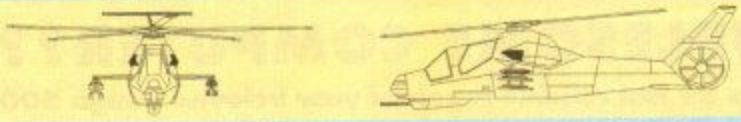
Adventures, Puzzlers, Platformers, Sports,
Shoot-em-ups, Beat-em-ups etc.
Some of these games were MEGA-HITS

FUTURE SOFTWARE (AC)
8 Magnolia Park, Dunmurry, Belfast BT17 0DS
All AMIGAS – 1 MEGABYTE MINIMUM!
Cheques and Postal Orders only
Fast Despatch on orders. Overseas add £2.00.

ATTACK HELICOPTER FLIGHT SIMULATOR

A battle field scenario simulation of the Boeing/Sikorsky RAH 66 COMANCHE

'Serious flight modelling that requires skill to master'



Flight dynamics modelling: Not available on other sims. Author B.Eng Aero.

Test your flying skills over a 65000 sqr km battle area. Filled with over 300 fractally shaped hills, clouds, 1000's kms of rivers and roads. Land at any of five bases. Fly under and around bridges, power stations, etc. Destroy more than 160 passive and active enemy objects. Pit your wits against intelligent enemy anti aircraft weapons and enemy helicopter. **Armaments:** Guided Hellfire (4) and Stinger (8) missiles, 20mm (500) cannon. **Avionics:** Radar and FLIR targeting systems. 5 Mode flight control computer. Enemy radar & laser detectors. **Software:** Sophisticated flight modelling and collision detection algorithms. Utilises filled polygon 3D real time rendering techniques. 8 view modes. Realistic sound effects, incl doppler shift. Stunning fragmented object explosions. Realtime or user definable interpolation time constant.

Only £9.95 Includes instruction manual, postage and packing.

Supports A500 A500+ A600 A1200 A1500 A2000 A3000 A4000 & Accelerators

Kickstart 1.2 or later Requires a minimum of 1 Megabyte of ram Joystick optional

To Order: Please send your name & address with a cheque or postal order for £9.95 payable to 'Absolute Image' at A.I. Dept AC12 9B Kenelm Road Colwyn Bay Clwyd LL28 4EE

LOWEST PRICED TOP QUALITY RIBBONS, INKJETS, TONERS & DISKS

Printer Ribbons

BLACK	1 off	2+	5+	10+
Amstrad DMP 2000/3000	2.80	2.65	2.45	2.25
Amstrad DMP 4000	3.66	3.51	3.31	3.11
Amstrad PCW8256/8512/LQ3500	2.85	2.70	2.50	2.30
Brother M1009/1024/1109/1209	3.90	3.75	3.55	3.35
Citizen 120D/LSP10/Swift 24/9	2.85	2.70	2.50	2.30
Commodore MPS 1220/1230	4.50	4.35	4.15	3.95
Epson LQ100	4.10	3.95	3.75	3.55
Epson LQ400/500/800/850	3.45	3.30	3.10	2.90
Epson FX/MX/RX80/FX/LX800	2.90	2.75	2.55	2.35
Epson FX/MX/RX100/FX/MX1000	3.36	3.21	3.01	2.81
Epson LX80/86/90	2.12	1.97	1.77	1.67
Mannesmann Tally 80/81	3.90	3.75	3.55	3.35
NEC Pinwriter P2200	3.03	2.88	2.68	2.48
OKI ML182/183/192/193/195	3.17	3.02	2.82	2.62

BLACK	1 off	2+	5+	10+
Panasonic KXP1123/1124/1140	3.46	3.31	3.11	2.91
Panasonic KXP1080/1180/90/1592	2.89	2.74	2.54	2.34
Panasonic KXP2123/2180	5.75	5.60	5.40	5.20
Seikosha SL90/92/95	5.70	5.55	5.35	5.15
Star LC10/20/100	2.29	2.14	1.94	1.84
Star LC200	3.00	2.85	2.65	2.45
Star LC24-10/200	2.86	2.71	2.51	2.31
Taxan Kaga KP810/815/910/915	3.14	2.99	2.79	2.59
COLOUR	1 off	2+	5+	10+
Citizen Swift 24	12.81	12.66	12.46	12.06
Panasonic KXP2123/2180	10.63	10.48	10.28	9.88
Star LC10/20/100	6.00	5.85	5.65	5.25
Star LC200	9.78	9.63	9.43	9.03
Star LC24-10/200	9.63	9.48	9.28	8.88

Ring for Ribbons Not Listed.

Ring us and WE WILL BEAT all other Ribbon prices

3½" Disks & Disk Boxes

	DS/DD	DS/HD
10 Disks	£5	£8
25 Disks	£11	£16
50 Disks	£19	£29
100 Disks	£32	£52
250 Disks	£75	£115
500 Disks	£145	£206

100 Cap. Lockable Disk Box £5.99 with orders of £10+

Preformatted (MS-DOS) disks available at 2p extra/disk.

All Disks Certified 100% Error Free and INCLUDE FREE Labels.

Miscellaneous Items

Roll 1000 3½" Disk Labels	8.99
3½" Disk Cleaning Kit	2.99
Parallel Printer Cable (1.8m)	3.99
Mouse Mat	2.99

Inkjets, Ink Refills & Toners

Canon BJ-10/20 Cartridge	17.54 each
Commodore MPS1270 Cartridge	12.13 each
HP Deskjet Cartridge (Double Cap.)	24.24 each
HP Deskjet Tri-Colour Cartridge	28.89 each
HP Thinkjet/Quietjet Cartridge	12.13 each
HP Deskjet Tri-Colour Catridge Refill	16.00 each

Inkjet Refills (Twin Packs) for Canon BJ-10/20, BJ300, HP Deskjet. Available in Black, Cyan, Magenta, Yellow, Red, Blue, Brown, Light Green, Dark Green, and Gold. 1 Pack £11.80, 2+ Packs £10.60 ea, 5+ Packs £9.95 ea

HP Laserjet II/III Toner Cartridge	44.51 each
HP Laserjet IIP/IIIP Toner Cartridge	53.14 each

Ring For Inkjets & Toners Not Listed.

CPU & Monitor Dust Cover	6.49
Monitor Dust Cover	4.99
80 Column Printer Dust Cover	3.99
Amiga 500 Dust Cover	3.99
Amiga 600 Dust Cover	3.99
Amiga 1200 Dust Cover	3.99

All Prices INCLUDE VAT (@ 17½%) & UK Delivery

0543 250377 Ring us or send cheques to: **0543 250377**
Owl Associates Ltd, Dept 270, Owl House,
5 The Brambles, Lichfield, Staffs WS14 9SE
Official Government & Educational orders welcome
E & OE

ANALOGIC ANALOGIC ANALOGIC

Analogic Computers (UK) Ltd
Unit 6, Ashway Centre
Elm Crescent
Kingston-Upon-Thames
Surrey KT2 6HH

Telephone Mon-Fri 9am-6.30pm
Sat -9am-5.00pm
081-546 9575
Tel/Fax: 081-541 4671

COMPUTER AND MONITOR REPAIRS WHILE-U-WAIT!!!

- AMIGA A500 REPAIRS WITHOUT DIAGNOSTIC FEES
- FIXED CHARGES (A500 AND A500+ ONLY)
- FAST TURNAROUND
- MANY COMPUTER REPAIRS DONE WHILE-YOU-WAIT
- WE PROVIDE PICK-UP SERVICE FOR REPAIRS FOR ONLY £6.00 + VAT
- QUOTATION ON A600/A1200 AND MONITOR REPAIRS

£49.95 (A500 & A500+ ONLY) including NEXT DAY DELIVERY (if picked up by us) by COURIER SERVICE when dispatched back

HEWLETT PACKARD PRINTERS

HP310 .....
HP520 .....
HP 550C ..... **POA**
HP 560C .....

FLOPPY DRIVES

1 MEG 3.5" A500 Internal.....39.95
1 MEG 3.5" A600 Internal.....39.95
1 MEG 3.5" A1200 Internal.....39.95

ACCESSORIES

512K RAM A500	19.95	MOUSE MAT	4.95
512K RAM A500+	19.95	DUST COVER	4.95
1 MEG RAM A500+	34.95	SUPER PRO ZIPSTICK	14.95
1 MEG RAM A600	44.95	10 BRANDED BLANK DISKS	9.95
290 DPI Mouse	14.95	10 UNBRANDED BLANK DISKS	5.95
SCART LEAD	14.95	PRINTER CABLE	9.95

CHIPS AND SPARES

KICKSTART ROM V1.3	24.95	8375 1 MEG FATTER AGNUS	34.95
KICKSTART ROM V2.04	29.95	8375 2 MEG FATTER AGNUS	39.95
KICKSTART ROM V2.05	34.95	PAULA	19.95
A500/A500 + KEYBOARD	44.95	GARY	11.95
A600/A1200 + KEYBOARD	69.95	CIA	9.95
AMIGA PSU	44.95	68000	14.95
		6570 KEYBOARD CHIP	19.95

★ All prices include VAT
★ Same DAY DESPATCH subject to availability
★ Fixed charge for repair does not include disk drive replacement nor keyboard
★ All prices subject to change without notice ★ We reserve the right to refuse any computer/monitor repair
★ Postage Charges: £3.50 by Royal Mail or £6.00 + VAT for courier

COMPUTER CONTROLLED ROBOTICS

With the **AMIGA INPUT/OUTPUT PORT** £27.95

Now you can use your Amiga to switch electric motors, respond to sensors and control robotic devices. 11 Outputs for motors etc. Up to 13 inputs for sensors +2 analog inputs. Easy to program in AMIGA BASIC, AMOS, GFA & HISOFT. 21 page User Manual. "A well constructed & fiercely priced piece of kit" Amiga Shopper "An outstanding value for money product" Amiga Computing.



DUAL MOTOR CONTROLLER – ONLY £19.95

Switchscript Amazing automation programming disk **£10.95.** **£2 off** if purchased with I/O port.

AMAZING SENSOR & CONTROL EXPERIMENTERS KIT £27.95 £1 OFF if purchased with I/O Port

6 plug-in Projects. No soldering required. Includes relay module, motor, tilt sensor, reed switch, light bulb, 4 LEDs, powerful software on disk and **FREE "Guide to Amiga Interfacing"**

ROBOT BUGGY KIT £17.95 Needs motor drive module & transformer. Easily programmed to move forward, reverse, turn, draw shapes etc. Requires I/O Port+Dual Motor Controller (£17.95)+Mains adapter (£7.50)+Buggy disk (£4): complete package (excl. I/O Port)=£44.

Temperature & Light Experimenters Kit £11.95

Thermo & Photo sensors plug into analog inputs + superb software.

Mains Controller Module £22.95 (standard mains socket). Handles 15 amps.

Mains Power Supply £7.50

FREE INFORMATION PACK ON ALL PRODUCTS: PLEASE PHONE OR WRITE

SWITCHSOFT

Please send cheque payable to SWITCHSOFT or ring Switchsoft on 0325 365773.

Include £1.50 P & P. Overseas add £4

SWITCHSOFT Dept AC1294, 26 Ridgeway, Darlington, Co. Durham DL3 0SF.

WANT TO CHEAT!!

Tips and Cheats Booklet

Consisting of Tips, Cheats and Level Codes for over 200 of the most popular Amiga Games

Please send cheque/P.O. for £2.95, made payable to S. FFORDE. Dept. AMC, Featherstones, Penhallow House, 33 Carbery Avenue, Southbourne, Bournemouth, Dorset BH6 3LN



FAST AMIGA REPAIRS

FAULTY TROUBLESOME COMPUTER??

Send or deliver to the experts for fast reliable repair of your beloved Amiga 500

FOR ONLY £44.00 INC,* DRIVE OR KEYBOARD REPLACEMENT + £10

WE ALSO REPAIR A600, 1200, 1500, 2000, 3000 + 4000
★ FREE QUOTATION ★

COLLECTION SERVICE AVAILABLE DOOR TO DOOR ANYWHERE IN U.K. £5 EACH WAY

EXCHANGE SERVICE

MODULATORS	£19.50
PSU	£19.50
DISK DRIVES	£25.50
KEYBOARDS	£25.50

* WE RESERVE THE RIGHT TO REFUSE ANY MACHINE

FAST COMPUTER SERVICES, TOWER BRIDGE, LONDON SE1 2HG. TEL: 071 252 3553

Mode 15 Computers. Tel. (0258) 837398

'Domus Alba', Cheselbourne, Dorchester, Dorset DT2 7NI

Hours: 6pm - 10pm Weekdays. 9.30am - 5pm Weekends

Prices include VAT. No surcharge for credit cards

Postage & Packing. SIMMs & Hard Drives £5. Larger Items £10

Prices subject to change without prior notice. Prices correct at the time of going to press

Please phone to check availability before sending your order.

SIMMs

	1mb	2mb	4mb	8mb	16mb	32mb
72 Pin 32 Bit 70ns	-	70	122	232	485	1035
30 Pin 8 Bit 80ns	35	-	125	-	-	-
32 Bit GVP SIMMs	65	-	188	-	925	-

IDE Hard Drives (SCSI & SCSI II also available POA)

Various Makes 3.5" Low Profile		Western Digital Caviar 3.5" Low Profile (V. Fast)		Various Makes 2.5" (A1200 & CD32 SX1)	
SIZE	PRICE	SIZE	PRICE	SIZE	PRICE
170	150	210	180	130	185
210	165	270	205	262	255
250	175	341	238	340	295
320	195	425	243	405	360
420	215	540	340	520	480
540	280				

Note: 2.5" drives come with fitting kit for A1200 & CD32 SX1 module
3.5" drives can be fitted into A1200. Fitting kit costs £20 when bought with drive

Other Items

Viper 030 Mk1	155.00	**CD ROM DRIVES**	
Viper 030 Mk2	167.50	NEC 2xi	170.00
GVP A1230 40mhz 0mb	222.50	Toshiba XM3401B	290.00
GVP A1230 50mhz 0mb	290.00	Media Vision Double Speed	150.00
G-Force 040 40mhz	970.00	Mitsumi FX001D	130.00
33mhz FPU - PLCC	60.00	Zappo A1200 CD Rom	189.00
40mhz FPU - PLCC	78.50	**PRINTERS**	
50mhz FPU - PGA	120.00	Canon BJ10sx	185.00
CD32 SX1 Module	189.00	Epson Styles Colour	495.00
Black Keyboard for SX1	40.00	HP DeskJet 310	220.00
EGS Spectrum 2mb	335.00	HP DeskJet 520	245.00
Microvitec 1438 Multisync	287.50	Panasonic KXP4410 Laser	465.00
PowerScan V4.0 Mono	117.50	**MODEMS**	
PowerScan V4.0 18 Bit Col	235.00	*Amigo 14k4 Fax Modem	140.00
2 Gig DAT SCSI	780.00	GVP FaxMail (PhonePak)	335.00

* Prohibited from direct or indirect connection to public telecommunications systems

AMIGA REPAIRS

FIXED PRICE ONLY £42.99 incl. (A500/+, A600 ONLY)

★ Price includes PARTS, LABOUR, DELIVERY, VAT
★ 90 day warranty on all repairs
★ 24 hour turn-around on most repairs
★ All upgrades purchased from us fitted free with repair
★ Includes FULL DIAGNOSTICS, SERVICE AND SOAK test
★ If drive or keyboard need replacing add £10

Est. 13 Years

AMIGA A1200 Repairs only £52.99 – Fully inclusive

SPECIAL OFFERS

A500 Internal Drive	£36.20	A600/1200 Internal Drive	£38.90
A500 /600/1200 PSU	£28.50	A500 Keyboard (UK)	£42.10
Fatter Agnus 8372A	£24.30	A500 CIA	£6.50
Super-Denise	£14.40	A520 Xchange Modulator	£18.00

CHIPS

8371 Agnus (A500)	£12.60
8372A 1 Meg Agnus	£24.30
8372 2 Meg Agnus	£24.30
8374 Alice (A1200)	£32.70
8362 Denise (A500)	£9.60
8373 Super Denise	£14.40
5719 Gary	£7.60
8520 CIA (A500/+)	£6.50
8520 CIA (A600/1200)	£7.20
8364 Paula (A500/+)	£12.34

CHIPS

Kickstart 1.2	£4.20
Kickstart 1.3	£12.80
Kickstart 2.04	£22.40
Kickstart 2.05	£29.90
Kickstart 3 (high)	£25.00
Kickstart 3 (low)	£25.00
Rom Sharer	£15.00
NEW Modulators	£29.50

All spares are factory NEW and genuine Commodore parts. All come with 12 months warranty (Except chips).

HARD DRIVES

Quality 2.5 inch Int HD
Suited for A600 & A1200

60 Mbyte	£135.95
120 Mbyte	£195.00
210 Mbyte	£269.00

All drives complete with cable, fitting instructions installation software and 12 months warranty

Add £1.00 P&P on chips, £2.50 P&P on drives & PSUs. We reserve the right to refuse repairs.

ATTENTION ALL DEALERS
Our company offer the most competitive dealer repair service on all home computers. Credit facility available. SEND FOR FREE INFORMATION PACK TODAY.

Service HOTLINE (0533) 470059
DART Computer Services
105 London Road
LEICESTER LE2 0PF

The Guild of Master Craftsmen

DART Computer Services
A division of D.A. Computers Ltd



POWER COMPUTING

DESIGN *and* INNOVATION

POWERSCAN 4



Produce 256 greyscale images (on a AGA machine), scan in 64 greyscales (non AGA Amiga can only display 16), add colour to greyscale images, special effects, new support for 18-bit scanner, add text to scans. A1200/600 version available.

POWERSCAN 4	£119
POWERSCAN 4 OCR	£139
SCAN INTERFACE	£50
POWERSCAN 4 S/W	£20
OCR SOFTWARE	£49

EPSON SCANNER

The GT-6500 and GT-8000 24-bit colour flatbed scanners from Epson scan up to A4 in size, with output resolutions of up to 1200DPI on the GT-6500 and 1600DPI on the GT-8000 in 16.7 million colours, greyscale or line art. The scanners include either Powerscan or Image FX scanning software.

GT-6500 POWERSCAN	£599
GT-6500 IMAGE FX	£689
GT-8000 POWERSCAN	£849
GT-8000 IMAGE FX	£929
DOCUMENT FEEDER	£399

COLOURSCAN

The new 18-bit colour handscanner produces stunning colours with clarity and verve, brightening up those presentations. With over 250,000 colours and award winning PowerScan software, anything is possible!

Colour and mono software
Full colour manipulation
Up to 400DPI
256 greyscale (AGA machine)
18-bit colour (AGA machine)
OCR optional extra

COLOUR POWERSCAN	£239

HARD DRIVES

We can supply SCSI or IDE 3.5"/2.5" hard drives in many different sizes. Including cables and installation software.

80MB IDE 2.5"	£139.95
120MB IDE 2.5"	£159.95
170MB IDE 2.5"	£219.95
260MB IDE 3.5"	£219.95
350MB SCSI/IDE 3.5"	£254.95
520MB SCSI/IDE 3.5"	£329.95
1GB SCSI/IDE 3.5"	£699.95
2GB SCSI/IDE 3.5"	£1099.95

OPTICAL DRIVE

Power award winning 128MB optical disk drive

128MB OPTICAL INT.	£549
128MB OPTICAL EXT.	£649
128MB OPTICAL DISK	£29
SCSI CONTROLLER	£129

SYQUEST DRIVE

Removable storage systems from Syquest.

3.5" IDE INTERNAL	£399
3.5" IDE EXTERNAL	£499
3.5" 105MB CART.	£79
3.5" SCSI VERSIONS	£POA

TANDEM CD-DE



For the Amiga 1500/2000/3000/4000
Supports Mitsuma CD-ROM drive
Supports Syquest 3.5" drives
Supports IDE hard drives
Play audio CD utility
Requires Kickstart 2.04 and above
Includes cable, software and manual

TANDEM CD-DE CARD	£69
CD-DE A1200 CARD	£69
CD-DE CARD, CD-ROM	£229
MITSUMA CD-ROM	£169

DISK EXPANDER

Disk Expander includes the following features:

Can add 50% to your hard drive capacity
Fast compression and decompression
Reliable in tests- no data corruption
Works with all drives, SCSI, IDE, Floppy, etc
Works on any Amiga and any Kickstart
Once installed the program is transparent to the user

DISK EXPANDER	£35
FLOPPY EXPANDER	£9.95

VIDEO BACKUP

Use a VCR as a backup device. 200 floppy disks fit on to a 4Hr tape . Video Backup allows you to watch television on your 1084s monitor.

VIDEO BACKUP SCART	£65
VIDEO BACKUP PHONO	£60

ACEEX MODEM

NOT BT APPROVED



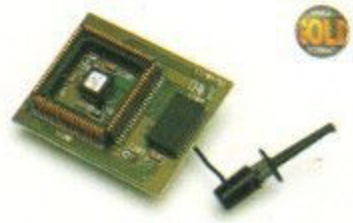
External Fax and Data modem
Receive and send faxes in the background
Full Haynes AT command set supported
Supports class 1, 2, and 3 fax commands
Fax send and receive
Auto dial and auto answer
Supports error correction and detection
Leased line support
All cables and manuals supplied

ACCEX MODEM v32bis	£169
ACCEX v32 TRAPFAX	£199

MISCELLANEOUS

MIDI INTERFACE	£19.95
VGA ADAPTOR	£15
PSU FOR HARD DRIVES	£39

MEGACHIP



Increase your Amiga 500/2000 chip RAM to a total of 2MB. MegaChip does this by using its own 1MB of RAM and drawing extra memory from any other RAM you have installed in your Amiga. No soldering is required.

MEGACHIP RAM	£159

MEMORY

We manufacture a vast range of memory cards for all the Amiga range of computers. Please telephone us for prices and availability.

WARP ENGINE

The high speed 040 board which installs directly into the CPU slot, not a Zorro III slot!

WARP ENGINE 28MHz	£799
WARP ENGINE 40MHz	£1199

WORKBENCH 2.1

Release 2.1 enhancer, including 2.1 software and user guide manuals.

2.1 ENHANCER	£69
ROM SHARE INC. 2.04	£99
2.04 ROM CHIP	£29

PREMIER VISION

You've heard how the Amiga has made TV programmes possible such as Star Trek-TNG, Babylon 5 and Seaquest DSV. We are the ultimate multimedia service for corporate and business users and offer a wide range of services, including: monthly events on multi-media, design and install complete systems, training, CD-ROM mastering and duplication. Some of our clients include: CIC Video, Granada TV, Shell, National Trust, MOD.

CALL 071 721 7050

AWARD *winning* PRODUCTS*

44a/b Stanley St. Bedford MK41 7RW

telephone **0234 273000**

facsimile **0234 352207**

Cheques payable to Power Computing Ltd

Name

Address

Postcode

Telephone

System owned

Description

Cheque/PO for £ allow upto 7 days to clear

Credit card No.

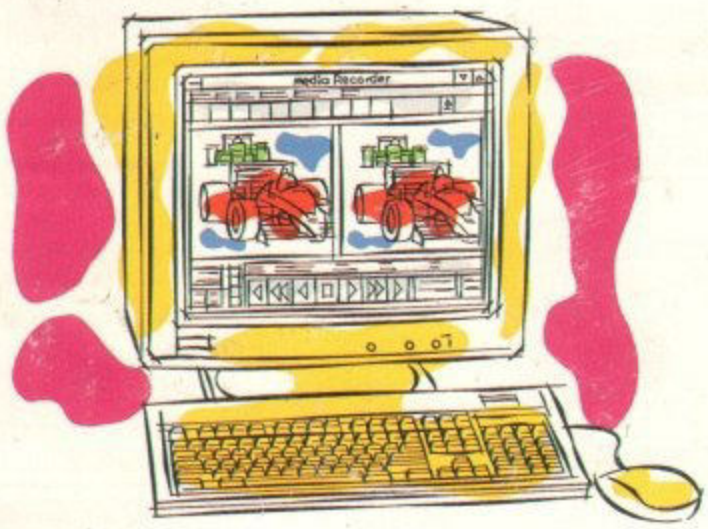
Expiry date **Sign**

All prices include VAT. Specifications and prices are subject to change without notice, all trademarks are acknowledged. Prices are valid for month of publication only. E & OE. Delivery next day £5. 2-3 days £2.50. Saturday £10. Deliveries are subject to stock availability.

3 Steps to Frame Grabbing



1. Capture your picture



2. Convert it



3. Use it

rombo

ROMBO Productions Limited,
2B Young Square,
Brucefield Industrial Park,
Livingston, Scotland. EH54 9BX.

Frame grabbing couldn't be simpler and more satisfying and is probably the best function that you can add to your Commodore AMIGA.

The **Vidi AMIGA** range has been developed to meet this requirement at an affordable price and an unequalled performance level. No matter what your needs are, from hobbyist to professional, there is a **Vidi** to fit the bill.

The **Vidi AMIGA** helps you place pictures within publications, animate or just have fun with digitised images. Connection couldn't be quicker and simpler. They're designed to exploit your creativity and imagination!

Vidi AMIGA 12
Excellent value 12-bit digitiser, captures colour HAM pictures in less than 1 second. Delivers good quality grabs from composite or S-Video sources. Minimum recommended system: A500 with 1MB RAM.
Only £99.95

Vidi AMIGA 12RT
A superb real time (fast scan) digitiser, grabs 24-bit images in 1/50th of a second. Similar to the **Vidi 12** but with many additional features and higher quality output. **Vidi 12RT** can be upgraded to the **Vidi 24RT**. Minimum recommended system: A1200 with 2MB RAM.
Only £199

Vidi AMIGA 24RT
Identical to the **Vidi 12RT** but with more video RAM. Can grab in formats up to 24-bit and produce full overscan images in HiRes interlace. Professional quality capture. Minimum recommended system: A1200 with 2MB RAM.
Only £299

All Vidi digitisers have common built-in features such as sequence editing and playback, essential for animation and sophisticated image processing software. All have composite and S-video inputs and are fully AGA compatible.

The **Vidi AMIGA** range is available from your authorised reseller or from ROMBO.
For more information or to place your order phone **0506 414631** or fax **0506 414634.**