Issue 113 ■ June ■ 1997 ■ £4.50

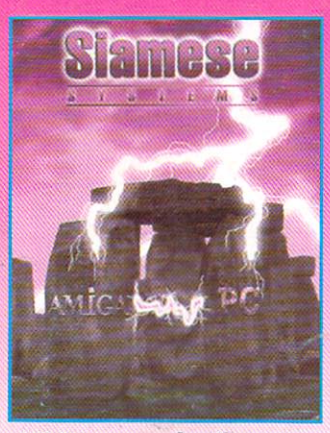
AMIGA COMPUTING

Absolute Beginners

An essential guide for publishing on the Amiga

PLUS

Siamese



HiQ's revolutionary system gets updated

IDG MEDIA
9 770959 963084 06

Amiga Buy-out ● Amiga Java ● CyberVision 3D ● Draw Studio CD

"World of A1200" & "Top 100 Games" or "Epic
be upgraded to 1997 version for £12.99) CDs

TOTAL MEMORY EXPANSIONS

A1200 trapdoor fitting memory expansions feature a battery backed clock and a socket for an accelerator FPU. Unlike other memory expansions that conflict with the PCMCIA port, our TOTAL memory expansions include unique software that will enable the maximum amount of memory to be used even with a PCMCIA fitting device.

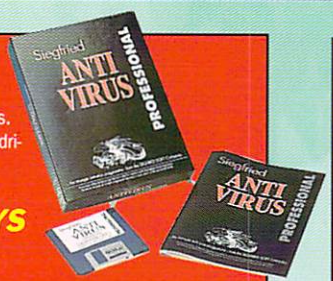
NEARLY DOUBLES THE SPEED OF THE A1200

SALE PRICE

4MB MEMORY EXPANSION £69.99
8MB MEMORY EXPANSION £89.99

33MHZ 68882 FPU (PLCC) £29.99 or only £24.99 when purchased with above

ANTIVIRUS



Anti Virus Professional is the most powerful tool for detecting and removing viruses. Anti Virus pro will check and device hard drives, floppy disks and even CD ROM drives for viruses. Very straight forward to use, includes a full 50 page manual.

ORDER NOW BEFORE A VIRUS DESTROYS YOUR SYSTEM !!!

ANTIVIRUS £19.99

ZIP DRIVES

Highly rated SCSI drive will store 100mb per cartridge. Comes Complete with power supply, SCSI cable, instructions and cartridge.

ZIP DRIVES £159.99 OR £199.99 with Squirrel

JAZ DRIVE £439.99 OR £479.99 with Squirrel

SALE PRICE

MODEMS

Our highly rated, top quality feature packed modems are ideal for Amiga users. All modems include our FREE MODEM ACCESSORIES PACK (worth £19.99) which includes a cable to connect the modem to the Amiga, NCOMM comms software, Amiga Guide to Comms and a list of Bulletin Boards from which you will be able to download vast amounts of free software as well as have access to E-MAIL facilities.

- **MNP 2-4 Error Correction • MNP 5 Data Compression**
- **Fax Class I and II compatible, Group 3 • Hayes Compatible**
- **Full 80 page manual • 12 Months guarantee**

14400 MODEM £69.99

33600 MODEM £109.99

NET AND WEB SOFTWARE £34.99

SALE PRICE

DATAFLYER SCSI+

Now includes CD ROM drivers and instructions.

The Dataflyer is a 16 bit SCSI II controller card that converts the signals on the internal IDE interface to also run SCSI devices at the same time as the IDE hard drive. The Dataflyer SCSI+ will operate up to 5 SCSI devices such as CD-ROMS, hard drives, Syquest removable drives, tape back up drives etc. Unlike other SCSI interfaces, the Dataflyer SCSI+ is compatible with all known accelerators etc and it does not stop you from utilising any of the important expansion ports on your A1200/A600. The Dataflyer SCSI+ easily installs into the A1200/A600 (simply pushes in, no need to remove the metal shield) and provides a 25 way D connector through the blanking plate at the back of the A1200. *Full instructions and software supplied.*

DATAFLYER ONLY £79.99 or £49.99 when purchsed with a SCSI device

SQUIRREL ONLY £49.99 or £39.99 when purchsed with a SCSI device

SURF SQUIRREL £89.99 or £74.99 when purchsed with a SCSI device

ALSO AVAILABLE...

EXTERNAL FLOPPY DRIVE	£49.99
A600/A1200 INTERNAL FLOPPY DRIVE	£44.99
A500 INTERNAL FLOPPY DRIVE	£49.99
MOUSE	£12.99
3.5' HARD DRIVE CABLE	£17.50
2.5' HARD DRIVE CABLE	£9.99
FRESH FONTS CD	£19.99
PHOTO CD-MANAGER	£19.99
AMIGA POWER SUPPLY	£34.99
CLOCK CARTRIDGE	£19.99
CACHE CDFS	£44.99
EPIC ENCYCLOPEDIA CD (full '97 version)	£19.99
50mhz FPU (for blizzard 1230)	£44.99

WORLD OF A1200 CD and TOP 100 A1200 GAMES CD

£7.49 EACH *or* *FREE* *with every CD ROM drive!!!*

Freephone 0500 340548 to

...ncyclopedia" (1996 Version. Can
...REE with every CD ROM drive!!!

CD-ROM DRIVES

TOTAL SCSI CD-ROM DRIVE

Fully featured SCSI CD-ROM drive for use with the A1200 or A600. Features include superb metal enclosure with in-built mains power supply. Includes all software, cables and instructions for immediate use. Full CD32 emulation and Audio CD player software included. No extras needed! Just plug in and go. Choose either PCMCIA fitting Squirrel interface or internally fitting Dataflyer SCSI interface.

TOTAL CD-ROM DRIVES
2 speed £129.99
4 speed £149.99
6 speed £159.99
8 speed £209.99
Prices include Squirrel.
Add £30.00 for Dataflyer or Surf Squirrel

SALE PRICE

ULTRA CD-ROM DRIVE

Superb IDE CD-ROM drive system for the A1200. Fully featured, top quality drives in a top quality enclosure with built in power supply. All cables, instructions, software including CD32 emulator and audio CD player etc., included for immediate use. The CD-ROM interface supply plugs inside the A1200 (exceptionally easy to fit by anybody) and provides a connector in the blanking plate at the rear of the A1200, next to the mouse socket.

PLEASE PHONE FOR FURTHER DETAILS AND INFORMATION SHEET

ULTRA 4 SPEED £169.99
ULTRA 8 SPEED £199.99

HARD DRIVES

2.5" HARD DRIVES

Our high speed 2.5' IDE hard drives for the Amiga A1200 & A600 computers come complete with fitting cable, screws, partitioning software, full instructions and 12 months guarantee. All drives supplied by us are formatted, partitioned and have Workbench (WB2 for the A600 and WB3 for the A1200) installed for immediate use. Fitting is incredibly simple; if you can plug the mouse into the mouse socket, you can plug the hard drive into the hard drive socket.

FREE WHILE-YOU-WAIT FITTING SERVICE FOR PERSONAL CALLERS. PLEASE PHONE FOR APPOINTMENT.

FREE **'HOW TO FIT YOUR HARDDRIVE'** video and Stakker disk to increase the drive's capacity with every hard drive ordered

A500/+420mb Hard Drive £209.99

340mb	**£109.99**
540mb	**£139.99**
1000mb	**£174.99**
1800mb	**£209.99**

SALE PRICE

APOLLO A1200 ACCELERATORS

APOLLO ...230 LITE ...99.99

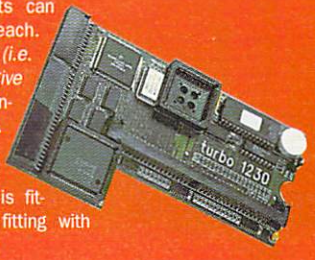
...igh quality low cost ...68030 accelerator ...U and FPU all running ...ery backed clock. Easy ...zing performance for ...e a 4mb or 8mb SIMM.

Not PCMCIA compatible with 8mb fitted.

APOLLO 1230 PRO £149.99

TWIN SIMM TECHNOLOGY

All the features you asked for at an affordable price! High performance 68030 with FPU and MMU running at 40mhz. Two 72pin SIMM sockets can take upto 32mb each. Simms can be mixed *(i.e. a 4mb and 8mb will give 12mb)* and can be single or double sided. Fully PCMCIA compatible regardless of how much memory is fitted. Easy trapdoor fitting with battery backed clock



APOLLO 1240/1260

68040/68060+MMU based A1200 accelerator. Features battery backed clock and a 72 pin socket for a standard 72 pin SIMM (up to 128mb). Fully featured, fan cooled trapdoor fitting accelerator.

APOLLO 1240/25 £199.99

SALE PRICE

NEW LOWER PRICE

APOLLO 1240/40	**£289.99**
APOLLO 1260/50	**£449.99**

4MB SIMM £24.99
8MB SIMM £49.99 OR
16MB SIMM £99.99 WHEN
32MB SIMM £199.99 WHEN
PURCHASED WITH AN APOLLO ACCELERATOR

SALE PRICE

siren

No.1
FOR MAIL ORDER

No.1
FOR AMIGA
IN MANCHESTER

Order NOW for immediate despatch

FREEPHONE
0500 340548
(credit/switch card sales only)
for enquiries
tel: 0161 796 5279
fax: 0161 796 3208

Send cheques or postal orders (made payable to Siren Software) or credit card details to:-

SIREN SOFTWARE,
178 BURY NEW RD,
WHITEFIELD,
MANCHESTER
M45 6QF,
ENGLAND

Access, Visa, Switch, Delta, Connect etc accepted

OPEN:
Monday to Friday 9am to 6pm
Saturday 9am to 12pm
Personal callers welcome.
Please phone first to check availability of any item.

DIRECTIONS:
From the M62 Junction 17 head towards Bury. We are 50 yards on the right hand side after the third set of lights. The door to our premises is next to Polar opposite the Masons Pub.

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

place your order

Contents

AMIGA ACTION

ACTION NEWS 66
If you want the latest on Amiga games, we have three pages of the stuff

MYST 70
Talking of news, ClickBOOM have announced Myst will be making it onto the Amiga, we take a sneak preview

FOOTY 72
We probably spend more time watching football than anything else, apart from drinking beer and watching football

SPACE 74
Being a very topical type of magazine and seeing StarWars has been re-released, lets have a big old space feature, sounds good to me

A-Z TIPS 78
Hugh 'don't call me Huggy' Poynton has always been of dubious sexual orientation. I have no idea what that has got to do with tips though

GOLF 80
I think I have lost the plot, but I'm pretty sure this is about a golf game, is that right? Yes that's right

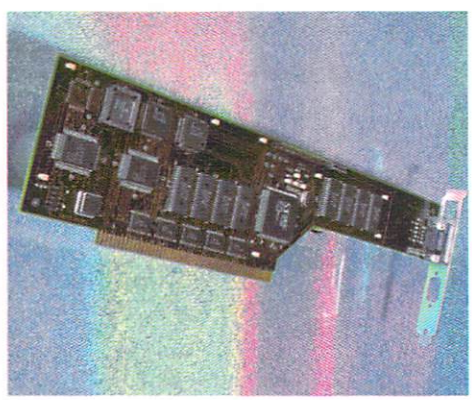
COMPETITION 81
Win tickets to the Royal Air Tattoo

FLY'N HIGH 82
Epic's next release is going to be good, in a racing around circuits type of way

REVIEWS

SIAMESE RTG 20
HiQ have updated there rather nice Siamese system and now you can do something rather special. Run Amiga programs on Windows 95

CYBER VISION 3D 32
It is meant to be the greatest Amiga graphics card in the world, or is it? Dan Winfield takes his life in his hands as he rips out his trusty old Picasso II card, just to tell you what's what



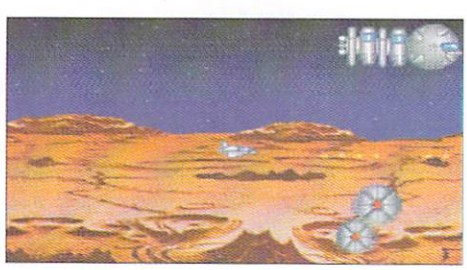
DRAW STUDIO CD 23
If you want a great structured drawing program, image processor and a ton of pictures and clip art then the DrawStudio CD is for you

FEATURES

JAVA 38
Put your feet up, get a big mug of coffee and plan your holiday. All from the comfort of your own home and using your faithful old Amiga

'C' PROGRAMMING 36
If you cannot do C programming by now there is no helping you, as Paul Overaa finishes with part six

PUBLIC SECTOR 47
Dave Cusick has nothing better to do than look at the latest in PD, and this is what he found



THE COVERDISKS

MIAMI 2.0J

Amiga Computing presents the latest Miami update, get the best in Internet access with this great demo version

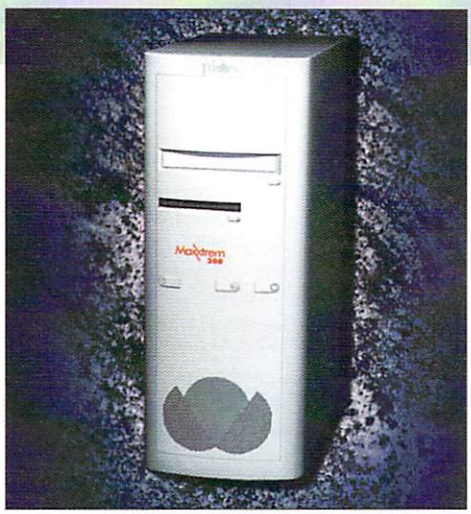
ALIEN FORMULA 1

Screaming around a race track has never seemed so realistic or fun

Includes:

ExeCON ● PowerWindows ● SysInspector ● mFTP

REGULARS



NEWS 10
Big, big news, the Amiga has been bought by GateWay 2000. We have all the latest details

LETTERS 34
If you keep on writing in, we will have to keep printing your letters

ACAS 44
Free repair advice care of ACAS, but really we're a bunch of cowboys

AMIGA GUIDE

Phil South can make your AMOS creations sing, in stereo to **56**

Tips from Paul Overaa on transferring Midi files to and from machines **57**

Neil Mohr prattles on about DOS driver, again **58**

Want to know about Internet advertising, Dave Cusick fills you in, ooh er **59**

I know you have always wondered about ARexx and ED, Paul Overaa does **60**

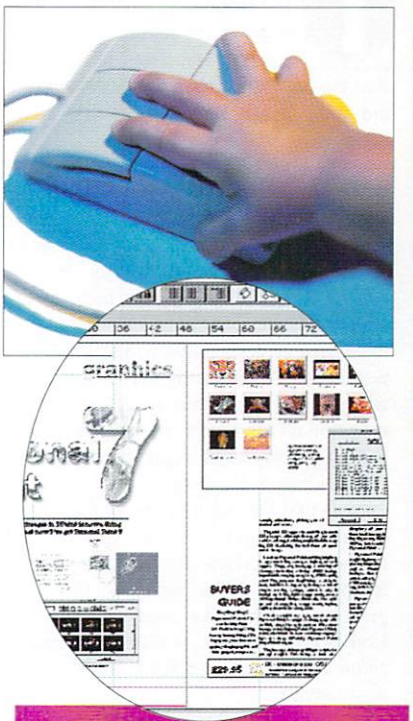
HTML for beginners, at least for the minute. Neil Mohr explains all **61**

What is a beta and why would you want to test one? Paul Overaa knows **62**

COVER STORY

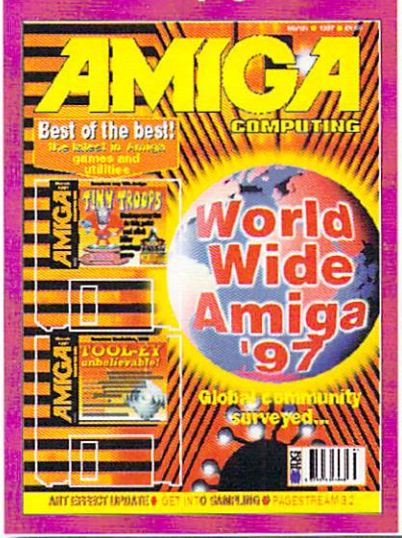
ABSOLUTE BEGINNERS 26

If you have ever wondered how to get your creations onto print ***Amiga Computing*** *explains how it's done*



BACK ISSUES

Missed out on an issue of Amiga Computing? Turn to page 42



amiga comment

Chapter 4
a new hope

If you are scratching your head and wondering what this pillock is going on about, don't worry, the sad Star Wars reference is that the liquidators have finally agreed to a bid and Amiga Technologies has been bought.

Great news I'm sure you'll agree. The fact is, the sale took everyone in the Amiga community completely by surprise. It seemed everyone had resigned themselves to a long drawn out bankruptcy, as happened with Commodore, but then on the March 27 a bid was accepted.

We had all gone home and as the Friday was a bank holiday, the first I heard was when I was testing out an IRC client and everyone on the Amiga channel was talking about Gateway 2000 buying the Amiga.

Did I forget to mention that? The odd thing is that the buyer is one of the largest PC manufacturers in the US, in fact Gateway is a fortune 500 company, with a turnover of $5 billion last year. The other great thing is they like cows - due to some kind of bovine fetish, all Gateway products come in cow coloured boxes, well we like them anyway.

It seems the initial response from all of you has been very good, and who can blame you? Such a large company with so much financial backing can only be a good thing. The move has baffled some of the other PC companies - Dell says it thought the purchase was just a publicity stunt to heighten awareness of Gateway in Europe.

The continuing Amiga saga, well, continues. Neil Mohr wonders where this leaves the Amiga.

Somehow, I don't think so. If all Gateway wanted was publicity, I'm sure there are much more effective and less expensive ways of going about it.

Another rumour doing the rounds in the PC world is that the American IRS has been on Gateway's back, baying for blood. The rumour goes that the IRS thinks Gateway has not paid enough taxes and buying the Amiga will entitle Gateway to tax relief, letting it off the hook.

I would like to think Gateway has bought the Amiga with the best possible intentions. I hope it sees a technology worth investing in and developing. I would imagine, in the short term, there are markets out there that the current range of Amigas can exploit thereby funding the Amiga company and in the long run, work on the new generation of PowerPC Amigas can finally begin.

The few press releases and statements that have come from Gateway so far have all pointed to this being its motivation - whatever the real reason, time will tell. The first thing I will be looking for is some sort of real investment at Amiga Technologies in staff.

As usual when the Amiga gets involved, events have suddenly taken a further turn. The latest news is that Compaq has become very interested in purchasing Gateway, causing Gateway's share price to soar. Currently Compaq is sitting on $3.5 billion and a 'small' company would fit nicely in their back pocket.

So even though Amiga has been bought, the situation is still not clear cut. Keep tuned to Amiga Computing and you will be assured of the latest news each and every month, dodgy Star Wars references and all.

AC

Neil Mohr

Neil Mohr
Editor

The AC team

EDITOR	Neil Mohr
ART EDITOR	Graham Parry, Stuart Cripps
PRODUCTION EDITOR	Justine Bowden,
NEWS EDITOR	Hugh Poynton
REGULAR CONTRIBUTORS	Dave Cusick, Katherine Nelson, Paul Overaa, Phil South
ADVERTISING MANAGER	Elaine Prescott
AD SALES	Sue Horsefield, Claire Beard
AD PRODUCTION	Barbara Newall
AD TYPESETTERS	Eddie Burke, Malcolm Thorley
MARKETING MANAGER	Steve Tagger
PRODUCTION MANAGER	Alan Capper
DATABASE MANAGER	Victoria Quinn Harkin 0171 831 9252

CIRCULATION DIRECTOR	David Wren
MANAGING DIRECTOR	Ian Bloomfield
DISTRIBUTION	COMAG (01895) 444055
SUBSCRIPTION	0151-357 2961

Member of the Audit Bureau of Circulations

ABC 22,051

Jan-Jun 1996

Published by IDG Media, Media House, Adlington Park, Macclesfield SK10 4NP
Tel: 01625 878888 , Fax: 01625 879966

EMail contacts:
Editorial: edit@acomp.demon.co.uk
Advertising: ads@acomp.demon.co.uk

We regret *Amiga Computing* cannot offer technical help on a personal basis either by phone or in writing. All reader enquries should be submitted to the address in this panel. *Amiga Computing is an independent publication and Amiga Technologies is not responsible for any of the articles in this issue or for any of the opinions expressed.*

©1997 IDG Media . 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.
All prices listed in the editorial content of this magazine are inclusive of VAT unless stated

12 issue subscription £49.99 (UK), £69.99 (EEC) £84.99 (World)
Ongoing quarterly direct debit: £10.99 (UK only)

Printed and bound by Apple Webb Offset

IDG MEDIA

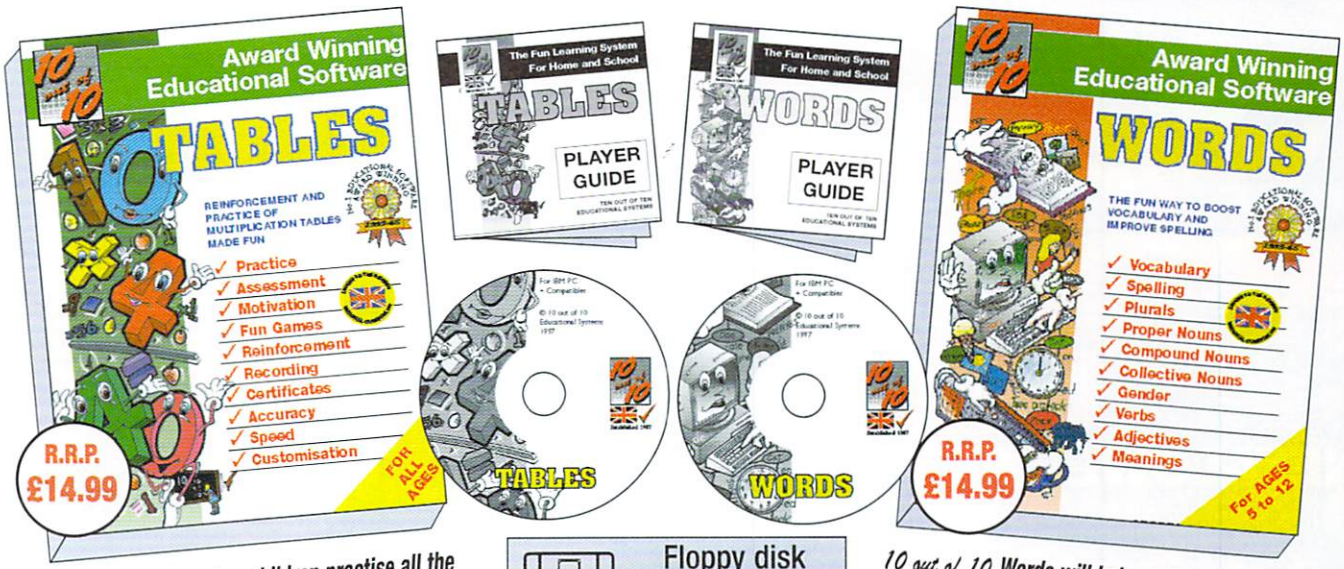
US Readers – Amiga Computing (ISSN 0959-9630) is published monthly by IDG Media, England, a subsidiary of the IDG Corp. Periodical postage paid pending at Boston, MA and additional mailing offices. **Send enquiries to:** IDG Macclesfield.

US yearly subscription rate: USA Gold $70, USA Standard $40

For eight years Amiga Computing has been the leading magazine for Amiga enthusiasts. Amiga Computing promises to inform, educate and entertain its readers each month with the most dedicated coverage of the Amiga available

FREE SOFTWARE PACKS

FOR EVERY READER - Worth £29.98!



10 out of 10 Tables lets children practise all the tables from 1 to 12 in a motivating, fun way.

Floppy disk versions also available!

10 out of 10 Words will help all 5 to 12 year olds boost their vocabulary & improve spelling.

USED AND RECOMMENDED BY THE PROFESSIONALS!

'It's fun and easy to load. The lively games offer competition and progressively challenging problem solving. It's a recipe for successful learning!'
Yvonne Daly, Headteacher, Lark Hill Primary School, Stockport.

'We recommend all 10 out of 10 titles. The educational content and ease of use make them a great hit. Parents are always saying that their children do not even realise they are learning'.
Eileen Kilvington, Whizzkidz™ Multimedia Learning Centres.
Tel: 01788 833233

'The 10 out of 10 Series is highly recommended, offering fun and exciting learning based on sound educational principals'.
Phil Martin, Editor, Educational Computing and Technology.

'If the national council for education and technology's researchers ever got around to assessing the impact of a daily fifteen minutes with 10 out of 10 they would surely discover real improvements in maths and spelling.'
The Times Educational Supplement.

'10 out of 10 are the best educational packages I've used. My children love them.'
Janet Pennington, Parent and School Governor.

HOW TO SECURE YOUR FREE COPIES!

To secure your **FREE SOFTWARE PACKS** all you have to do is cover the cost of P.&P. (£1.95 for one package or £3.90 both).

You will be sent the full latest versions complete with documentation and boxes.

ORDER BY 'PHONE - 0113 2394627
ORDER BY FAX - 0113 2394629
ORDER BY POST - Use The Coupon Below
ORDER BY E-mail - sales@10outof10.com

10 out of 10 Established 1987

Why not visit our Web Site?
http://www.10outof10.com

10 out of 10 Established 1987

To secure your FREE copy or copies simply fill in the form below and post it to: Tables/Words Offer - Troydale Mills, Troydale Lane, Leeds LS28 9LD

IMPORTANT
Please tick to select title & version required:

- ☐ *Tables* ☐ *Words*
- ☐ PC CD ROM
- ☐ PC 3½" disk
- ☐ AMIGA 3½" disk
- ☐ ACORN 3½" disk

Please send me the packages I have ticked. I understand that in order to receive my pack(s) I have to cover the £1.95 cost of P.&P. for one package or £3.90 for both.

Name _____ Tel: _____

Address _____

_____ Postcode: _____

Cheque/P.O. enclosed for £1.95/£3.90, made payable to *10 out of 10* or please debit my Access/Visa card

Card expiry date		Signature	

TABLES/WORDS OFFER
Troydale Mills, Troydale Lane, Leeds LS28 9LD

Please tick here if you do not wish to receive mailings on other products ☐

Weird Science

Weird Science Ltd. 1 Rowlandson Close, Leicester, Leicestershire. LE4 2SE
Tel. +44 (0)116 234 0682 Fax. +44 (0)116 235 0045
email. sales@weirdscience.co.uk or tech@weirdscience.co.uk

NEW WWW SITE NOW OPEN AT
www.weirdscience.co.uk

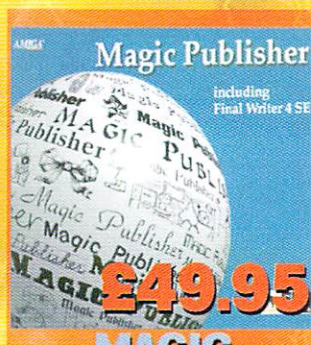
£34.99 AMINET SET 3 or 4

Aminet Set 4, dated January 1997, consists of 4 gigabytes of software in 9,000 archives. Including the full versions of Directory Opus 5.11. With 95 megs Utilities, 79 megs Documents, 408 megs Text Software, 12 megs Disk/HD Tools, 7 megs Hardware related, 756 megs Pictures & Animations, 208 megs Graphics software, 394 megs Graphics & Sound Demos, 563 megs Games, 685 megs Music modules, 28 megs Music software, 131 megs Communications and more. Aminet Set 3, dated July 1996, consists of 4 gigabytes of software in 9,000 archives. Including the full versions of Imagine 4.0, XiPaint 3.2, Octamed 5.0.

£19.95 SYSTEM BOOSTER

The Amiga System Booster CD enables users to really make the most of their computers with a superb collection of tools to push the capabilities of the Amiga to the limits. Nearly all the fantastic utilities can be started by simply direct from the compact disc. No de-archiving required. The the contents include a vast collection of screen blankers, mouse tools & commodities, backup, file management, cache programs to optimise system performance, data recovery, CD-ROM utilities, virus killers and a whole host more. This CD-ROM provides for beginners and professionals.

£49.95 MAGIC PUBLISHER



Magic Publisher comprises of four compact discs and on this unique CD-ROM set you will find all you need to create professional looking documents. There are more than 10,000 Fonts (Colour Fonts, Bitmap, IFF, Adobe Intellifonts, Truetype & DMF), more than 5,000 clipart. Many of these are exclusive to this compact disc. Full commercial versions of Final Writer 4 SE and Wordworth 4 TD are included. Both rated as great word processors on the Amiga. Tools for creating WWW pages along with backgrounds and special clip art for this purpose is also included. A 200 page booklet containing printouts of all the fonts and clipart.

£19.95 AMINET SET 1 OR AMINET SET 2

NEW LOWER PRICE

Aminet Set 1 or 2, consist of 4 gigabytes of software in 12,000 archives. The software is on four compact discs. With Utilities, Documents, Text Software, Disk/HD Tools, Hardware related, Pictures & Animations, Graphics software, Graphics & Sound Demos, Games, Music modules, Music software, Communications, Amiga Development software, Business software and more. All of the archives are easily accessible with a simple Index menu system with search.

£14.99 AMIGA DEVELOPERS CD

The Amiga Developers CD from Amiga Technologies comes complete with the all the developers tools and docs. provided to the official developers. Included are the complete CD32 developers tools with Build CD and ISO CD, Envoy 2.0 package, Enforcer, Workbench 2.0, 3.0, 3.1 tools and documents with the updated native developers kit, SANA II package and the installer package. Also included is a vast amount of info. A must for Amiga enthusiasts

£29.95 MODS ANTHOLOGY

A collection 18,000 music modules arranged of four compact discs all sorted by composer, groups and type. All stored ready to use from the compact discs. Provided with 11 megs of Module lists and 25 megs of module players for many different computer platforms. This 7 years titanic work provides over a 1,000 hours of music enjoyment along with information on may of the composers whose work is featured.

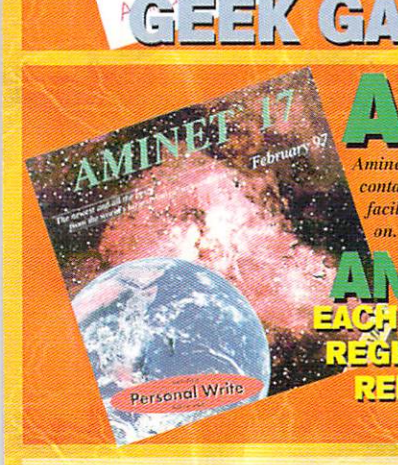
£19.95 GEEK GADGETS

Geek Gadgets contains virtually all of the tools you need to get started programming on the Amiga, including advanced C, C++, Fortran and ADA compilers, assembler, linker, EMACS editor, "make", source code control systems (rcs & cvs), text and file utilities, GNU debugger, text formatters (groff & TeX), and much more. Everything comes with complete source code and all binaries have been compiled from the supplied sources. All tools on the Geek Gadgets CD can be run directly from the CD-ROM, without the need to install any files on to your Hard Drive.

£49.95 AMIGA REPAIR KIT

The Amiga Repait Kit CD comes complete with the all with all the tools required to backup and rescue your precious data on hard drives. Disk Salve 4 will rescue and restore most damaged, corrupt and even deleted files from floppies, hard disks etc. During the process it will attempt to fix all problems caused by software failures or physical damage. RDB-Salve 1.1 is a superb program that will allow you to restore your valuable data even if the Rigid Disk Block has been destroyed or over written. Recovery can recover files from normal or corrupted disks. Essential Amiga Tools.

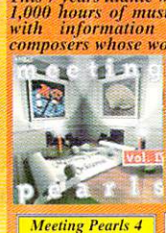
£14.99 AMINET CDs



Aminet, the worlds largest Amiga archive, provides compact discs of the sites latest software uploads. Each volume contains about 1.1 gigs of archives with a superb menu system for un-archiving the files and a simple search facility to help you find exactly the file required. The search facility will even list the compact disc that the file is on. Aminet 18 is available in April and Aminet CDs 13, 14, 15, 16 are still available at £14.99.

AMINET CD SUBSCRIPTIONS

EACH AMINET CD FOR ONLY £ 9.99 UPON RELEASE BY JUST REGISTERING FOR A SUBSCRIPTION. AS EACH NEW CD IS RELEASED WE WILL CHARGE YOU AND DISPATCH YOUR NEW AMINET CD ON THE DAY OF UK RELEASE.



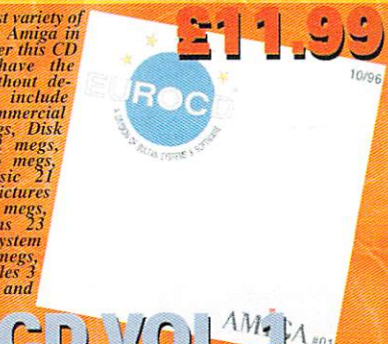
Meeting Pearls 4 (Software Collection) £ 8.95

Workbench Add-on CD (Utilties) £ 24.95

Giga Graphics Four CD-ROMs Image Collection £ 19.95

Xi-Paint v. 4.0 24 Bit Image Manipulation £ 49.95

£11.99 EURO CD VOL. 1



The Euro CD contains a vast variety of programs and data for the Amiga in the Aminet mould. However this CD differentiates itself by have the contents ready to run without de-archiving. The contents include Animations 36 megs, Commercial 21 megs, Demo's 65 megs, Disk tools 12 megs, Fonts 12 megs, Games 57 megs, Misc. 6 megs, Modules 110 megs, Music 21 megs, Objects 12 megs, Pictures 118 megs, Presentations 23 megs, Printer 1 meg, Programs 23 megs, Samples 4 megs, System 10 megs, Text files 26 megs, Utilities 16 megs and Vidules 3 megs. Full English does. and menus.

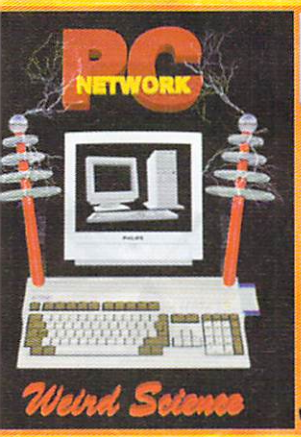
SEE US AT THE WORLD OF AMIGA SHOW IN MAY

International Distributor:

GTI

SCHATZTRUHE

GTI
Grenville Trading International GmbH
Carl-Zeiss-Str. 9
79761 Waldshut-Tiengen. Germany
Tel. +49 7741 83040
Fax +49 7741 830438
Email: amiga@gtigermany.com

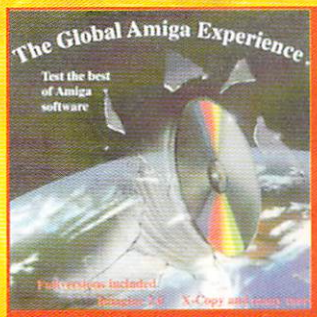


NETWORK PC

Provides a filesystem for accessing your PC drives from the Amiga. Our system will provide any WB program with access to any of your PC drives, including CD, Zip, Jazz and fixed hard drives. The PC acts as slave machine and can therefore not access the Amiga, however our kit contains all you need to access a PC from an Amiga. Simple Installation on both machines. The system is WB 2.04+ and Win95 compatible and the PC can perform other tasks simultaneously.

Access all of the PC drives.
Read & Write to & from the PC.
Load files directly from the PC.
Up to 45k/sec for Amiga > PC.
Up to 29k/sec for PC > Amiga.

Join a PC to your Amiga via the parallel port **£19.95**



FREE WITH ALL ORDERS OVER £25.00

GLOBAL AMIGA EXPERIENCE
(OVER 200 DEMONSTRATIONS OF FULL COMMERCIAL PROGRAMS AND 7 FULL VERSIONS)
PLEASE ASK FOR THE FREE CD OR IT WILL NOT BE SHIPPED

INTERNET ACCESS THE EASY WAY

Weird Science is the Official UK Registration Site for Miami

In-To-The-Net CD provides a pleasant introduction and connection to the internet. Most of the difficult setting up is done automatically for you with the connection program provided. All that is required is the answers to a few simple questions. In addition the CD contains all the tools required for both the beginner and expert, full instructions on getting connected and many very helpful documents on the Internet and WWW. The tools include AmiTCP, Mail, FTP, WWW and many more. In addition there is a section on WWW page creation with clip art and creation tools. Easy Hard Drive installation possible but not required.

IN-TO-THE-NET £14.99
INCLUDES OUT-OF-THE-NET

MIAMI REGISTRATION **£29.95**
FULL VERSION

IBROWSE

iBrowse 1.1 now including support for FRAMES and many more HTML 3 tags. iBrowse is surely unbeatable and with a fantastic price from Weird Science. View the Web the way it was meant to be.

£24.95

£49.95

Supports extensive hardware level emulation of the Intel Pentium Processor. FPU supported if the Amiga has an FPU. Written by the leaders in x86 emulation technology, responsible for the world's first Intel Pentium emulation. Compatible with MS-DOS through to version 7.0, Windows 3.1/3.11, protected mode as used by Doom and Dark Forces etc. Memory Manger compatible (EMM386) and compatible with PC Task hard files. The quick start function feature no BIOS required. auto configuring, on disk Amiga Guide documentation. Just requires MSDOS and Windows software to run.

PCX (PC EMULATOR)

£39.95

The Secal programming language for the Amiga combines the advantages of both assembly and other high level languages. A unique feature of the Secal language is the way in which it integrates the elements of processor-level programming and high level statements. All this, together with the clean syntax make it possible to write compact and fast code - easier than in assembler. All of the important parts of the development procedure (editing, compiling-linking, debugging etc.) can be done in one single environment. Additionally Secal command line work and batch scripts.

SECAL Programming Language

£19.95

A MAGICAL JOURNEY THROUGH EXCITING DIVERSE SUBJECTS

The Learning Curve CD presents a fantastic and magical journey through exciting subjects brought together for the first time on an Amiga CD. Containing over 32,000 files this title will delight and interest both young and old with the vast diversity and quantity of Amiga Educational and Informational programs featured. All of the programs can be run directly from the compact disc with no unarchiving on any Amiga. (Workbench 2.04+.) Encyclopedias have been scarce for the Amiga and educational compact discs have been virtually non-existent. Well now you have a unique CD providing productive entertainment for all ages. *Just a few of the categories:*

Aircraft	Educational	Religion
Art	Fairy Tales	Science
Computer	Mathematics	Astronomy
Desktop Utils	Spelling	Biology
Electronics	Languages	Books
Engineering	Literature	Chemistry
Geography	Drama	Ecology
Health	Music	Geology
History	Mythology	
Hobbies	Philosophy	

THE LEARNING CURVE

£19.95

The tradition continues with the release of the latest Assassins Ultimate Games CD Vol. 3. Over 500 new games and an all new and enhanced menu system for the selection of the great games contained on the compact disc. All of the games are ready to run directly from the menu system. This menu system has received accolades from amongst the Amiga Press on the previous two compact discs, both of which have received Amiga Format Gold awards. The menu provides access to all of the games, brief instructions, requirements, access to instructions & also the game itself. All of the games are new and original and have not appeared on either of the previous two compact discs. All games playable direct from the CD.

ASSASSINS CD VOL 3

£9.99

SoundStudio has arrived. With fabulous new features including full mixing facilities, save modules as samples, notation editor (with printing), 64 channels, new midi commands, more Toccata support, no sample size limits, fastmem facility and more. SoundStudio has lifted Amiga music creation to new heights. A must for all musicians.

SOUNDSTUDIO

The music and sounds files can be auditioned from an easy to use interface for both a PC & Amiga. Included are 4,400+ modules, 400 extra large modules (over 300k each,) 795 Screamtracker modules, 1,000+ categorised midi files, 4240 IFF samples, 620 categorised WAV samples, 1,000+ Walkabout Instrument samples in WAV & IFF formats, 100's of utilities for Amiga and as a bonus the complete MidiCraft collection of Midi files. Also included Octamed 6 CD FREE.

£19.95

SOUNDS TERRIFIC 2

£9.99

From Weird Science comes a superb Workbench 3.0+ Utilities CD with the very best utilities presented ready to run directly from the CD. No installation necessary. The compact disc is presented with both 'New Icons' and 'Magic Workbench' icons and an assign sequence that enables either of the choice of the user also sets it up ready for the utilities to run directly. The contents have been indexed with a description of all the fully categorised utilities available. Any of the utilities can be launched from the guide directly. The categories include Graphics, Disk Utils., Operating System, Emulation, Workbench, Music, Business, Communication, Performance, Text, Programming and more.

AGA TOOLKIT '97

£14.99

The very best in CD32 and Amiga Networking has just got so much better. This CD is an absolute must have for all Network CD owners. The concept and operation has been improved in every possible way. The CD32 boots in about 45 seconds, with more memory available and fast, fast run to improve speed. One button press on the Amiga can set-up any program to run on both machines, including the entire Sernet set-up at the speed of your choice on both machines. No more difficult set-up routines. Sernet now runs at various speeds and is now the fastest ever. A keyboard and mouse can be emulated on the CD32. Twin-Express can now be controlled from DOpus. Serious allows easy downloading of data. Plus so much more.

The best way to join a CD32 to an Amiga

NETWORK CD 2

Women of the Web is an exciting new multimedia experience bringing all the latest Internet technology to the home. This title is compiled in HTML format, using pictures, text files, animations and sound samples. With over 450 megs of information on over 250 of the world's most beautiful and famous women. The easy point and click interface makes the whole CD-ROM accessible to both beginners and experts alike. With full colour images and video this compact disc is sure to please.

£19.95

WOMEN OF THE WEB

1,078 Weird Textures
3,000 Jpeg Textures
Dem Rom
Magic Workbench Enhancer
NFA Utilities Experience
NFA AGA Experience 2
Scene Storm
Zoom 2
Oh Yes! More Worms
Octamed 6
Clip Art CD
3DCD-1 Objects
3DCD-2 Images
Retro Gold

ALL ONLY £9.99

£29.95

Includes all the packages previously published by Kara Computer Graphics for the Amiga, plus many more, in an extensive and professional edition reorganised and enhanced by Cloanto. This CD-ROM contains 80 ColorFonts, 5 AnimFonts, hundreds of alternate colour palettes, Starfields, Plaquegrounds, and software for special effects in pictures, animations, tiling and presentations. All items for sale re-printed use. The Kara Collection also includes two software packages developed by Cloanto to manage bitmapped fonts: ColorType for colour fonts and the Personal Fonts Maker for black and white fonts. Both have been acclaimed as the best in their respective fields. To make AnimFonts really easy and enjoyable to use. A fabulous collection of Anim Fonts.

KARA COLLECTION

£29.95

After more than a year of hard work, we are proud to announce the release of Personal Paint 7. This version has more than 100 new features, including:

- *New and improved file formats, including Photo CD, GIF, BMP, JPEG, 24-bit DataTypes and PBM*
- *Professional Internet features like GIF animations.*
- *Enhanced user interface.*
- *180 ARexx commands, with scripts directly accessible from the toolbar*
- *New screen/library system.*
- *Automatically create directory thumbnails.*

And much, much more

UPGRADE FROM 6.4 £19.95

PERSONAL PAINT 7

Card Games CD
17 Bit LSD CD 3
17 Bit 5th Dimension
Amos PD CD
UPD Gold
Imagine PD CD
Multimedia Backdrops
Sci Fi Sensations 2
Assassins CD Volume 2

ALL ONLY £14.99

£14.99

The very best from Light Rom 1, 2 and 3 with over 6,000 Lightwave objects and scene files. Light Rom Gold was created for those who did not purchase Light Rom 3. The material on Light Rom Gold is compatible with all versions of Lightwave on all platforms. This material is presented using the content directory method for all users of Lightwave 4.0 and higher. All of the Lightwave objects and scene files are represented with thumbnail renderings for easy previewing.

LIGHT ROM GOLD

£14.99

This CD-ROM includes Personal Paint 6.4 and Personal Write 4.1 from Cloanto, NBase 4 Personal (from Oxxi), Personal Fonts Maker 1 & 2 (Cloanto), 27 professional colour fonts, Cloanto's DirDiff (file synchronisation and replication software) and PAG Toolkit, plus ½ Gbyte of pictures, animations, stereograms, stereogram animations), Amiga fonts, printer downloadable fonts and texts. The CD-ROM contains no public domain or shareware software. The commercial titles include full manuals in AmigaGuide format (English and German, with some titles also in French and Italian).

PERSONAL SUITE CD

£19.95

LIGHT-ROM 4, a 2 CD-ROM set for the Amiga, Mac, Windows / NT features all new Lightwave objects and scene files. In addition there is a bonus CD-ROM of 3,000 Jpeg Textures, see below. LIGHT-ROM 4 also includes a collection scene files by Alan Chan. This set contains wholly new material and is an absolutely superb resource for Lightwave.

LIGHT ROM 4

£29.95

The Epic Interactive Encyclopedia 1997 Edition now includes over 16,000 articles, 4,000 images, 200 sound clips, 200 film clips, 3 search engines, over 1,000,000 words, national anthems, the ability to create your own articles, guided tour and much more. The latest version contains at least four times as much information as it's predecessor.

UPGRADE FOR £11.99

EPIC ENCYCLOPEDIA

TELEPHONE ORDER HOTLINE
+44 (0)116 234 0682

UK POSTAGE IS £1.00 FOR THE FIRST ITEM AND 50p EACH EXTRA ITEM, OVERSEAS IS DOUBLE.

WE WILL PRICE MATCH ANY ADVERT IN THIS MAGAZINE

news

By Hugh Poynton

GATEWAY 2000 BUYS AMIGA TECHNOLOGIES

After months of waiting, speculation and rumour, Amiga Technologies has finally been purchased. On March 27, Gateway 2000 Inc, an American PC manufacturer, announced that it had applied to acquire the assets of Amiga Technologies GmbH. Four days later, Gateway's offer was accepted by a bankruptcy court in Germany.

The news was greeted with a mixture of surprise, confusion and general approval by the industry and Amiga enthusiasts alike.

Although Gateway has revealed little about its long term plans for the Amiga, a few facts are known.

Amiga Technologies will be renamed Amiga International and operated as a separate business unit, developing new products for the Amiga market.

Petro Tyschtschenko, the current President of Amiga Technologies, will stay on in his present position. According to Tyschtschenko, the company will initially aim to restart production of the A1200 and make it available through conventional retail outlets such as computer shops and department stores rather than relying solely on mail order schemes. It appears that an A1200 could be available in the shops for about 698 DM ($400 Dollars or £250) or about £360 with hard drive.

However, in the long term, the motive behind Gateway's bid remains something of a mystery. There is speculation that the purchase will be used to help Amiga bridge out into the US (where sales have traditionally been much lower than in Europe) and boost Gateway's position and reputation in Europe where it has yet to establish itself as a household name.

Another more exciting possibility is the possibility that Gateway wants to use Amiga to help it develop and refine new technologies. Gateway has recently been experimenting in the multimedia market with its Destination big screen PC and looks interested in expanding its knowledge in this field.

Amiga Technologies was one of the first pioneers of multimedia and would be an obvious choice for a company interested in developing new technologies. Although Tyschtschenko has denied that Gateway plans to utilise Amiga technology for set top boxes, the traditional strength of the Amiga is that it allows for high performance on modest hardware so the know-how and intellectual property of Amiga might be a very valuable investment for Gateway. It isn't too far fetched to suggest that Gateway could be interested in developing inexpensive, low-end multimedia machines.

QuikPak welcomed the successful Gateway bid

Reaction on the Amiga newsgroups has been overwhelmingly positive. An Amiga Web Directory DejaNews search of current newsgroup messages has indicated that reaction to the announcement has been about 98 per cent positive. Even QuikPak, who made an unsuccessful bid for the company in February, welcomed Gateway's purchase.

A press release posted onto the Internet shortly after Gateway's successful bid congratulated the company on the purchase and stated that, *"The Gateway purchase may represent an excellent opportunity to breath new life into the Amiga platform. We've maintained all along that we believe in the future of the Amiga and we stand by our statements...We look forward to working with you, the user, and all our other partners in making the Amiga's future as bright as possible. We look forward to working with the newest player in the Amiga field, Gateway 2000."*

Gateway is certainly in a very good position to revive the fortunes of the Amiga. Founded in 1985, Gateway 2000 Inc. is a Fortune 500 company (one of the top 500 companies on the DOW Jones index) and a global leader in the direct marketing of PCs. Employing over 9,700 people in the US, Ireland and Malaysia, the company last year shipped 1.9 million systems and reported a net income of $250 million.

Although not too well known in Europe, Gateway 2000 is one of America's Fortune 500 companies

Amiga Foundation Network up and running

In the March issue of Amiga Computing, we included an article about the Amiga Foundation Network, an ambitious project established by Jon Lennart Berg to collect as much information on the Amiga as possible.

Since then, Jon has contacted Amiga Computing with further details of how the project is progressing. He has apparently received well over 200 e-mails and letters in response to the article and is ready to outline the immediate future for the Foundation.

The Amiga Foundation Network should be finished soon with downloadable versions of Quake for the Amiga and Warcraft 2. Although much work remains to be done, a preliminary page is already up and running at http://home.sol.no/jonlb/index.html. In addition to this, AFN will be at 'The Gathering' in Norway at Easter. Jon also informs us that there is no longer a registration fee to join the Foundation.

Jon has polled members of AFN about the hardware set up of their Amigas and found that the average set up appears to be:

CPU	68030 + FPU +MMu / 50MHz.
Ram	4Mb fast RAM , 6Mb in total.
HD	450 Mb hard drive.
CD-Rom:	50 per cent have them and 50 per cent are going to buy.
Monitor:	1024 is still dominant.
Gfxcard	10 per cent of AFN members have graphics cards, most of them being A4000 or A1200 with tower solutions.

Virtual memory is apparently *"...the biggest thing yet! They are all using Vmm wherever we go!."* The survey doesn't take A500/600 users into account because these machines are not capable of upgrading to current standards.

Anybody requiring further information should contact Jon at: jonlb@online.no

Istar Knowledge System

Istar, a new Knowledge Based System for the Amiga, has just been released on Aminet. Knowledge Based Systems (KBS) are programmes designed to present information in a form that makes it easier to understand, process and collate. As Dr. Andrew Basden from the Information Technology Institute, University of Salford, explains:

"Istar allows you to draw your knowledge base as a box and arrows diagram and then immediately run it as an inference net. This means you can encapsulate human expert knowledge to create an intelligent advisory system. When the user presses the 'InferGoals' button it will ask a sequence of questions in order to arrive at a conclusion. Its backward chaining algorithm ensures it will only ask the user relevant questions and suppress irrelevant ones dynamically. Its forward chaining algorithm ensures any information entered will be propagated automatically throughout the knowledge base."

The Istar system is designed to clarify data that can often be complicated and difficult to assess. In decision support mode it will fulfil tasks such as calculating whether the shares of a company are worth buying.

Istar's creators claim that, because of its inference mechanism, Istar is faster on a standard A1200 than it would be on many Pentium systems. This is due to its careful internal design and the fact that the kernel routines are written in assembler.

Istar is available from Aminet. Version 1.06 can be found in dev/misc/Istar.lha. Version 1.05 can be found in biz/misc/Istar.lha. It is also available for downloading from the INCA Web page: http://www.salford.ac.yk/iti/projects/inca/.
For more information mail Istar@basden.demon.co.uk.

Copenhagen show

Danish computer buffs are organising a week long party in Copenhagen. Although not exclusively Amigaphile, the Danish group, DGC, aims to attract a large body of Amiga fans to the show.

The show will include a PC/Amiga network involving 600 cable links. The organisers plan to provide a Valhalla room for networked games, an adventure room where new technology is demonstrated and a non-alcoholic bar.

A number of competitions will be held at the show including a sponsor demo, wild demo, 3D demo, 4 channel tracker demo, multichannel and GFX competitions on both the PC and Amiga. DGC plans to charge a fee of £35 for entrance and accommodation for the week, all you need to do is get there.
For more details contact:
DGC
Munktoftevej 16,
2610 Roedovre, Denmark
Telephone: +45 44 92 93 77

What Do They Really Think?

Reactions to new of the take over have been positive across the board among enthusiasts and users alike.

Intangible Assets, the Amiga retailer established by former Commodore Software Engineer Dale L. Larson, has greeted the purchase of the Amiga with enthusiasm. Mr. Larson released the following statement on March 27, the day the purchase was announced:

"I'm thrilled Amiga Technologies has finally been purchased, more so that it has been bought by a company with such tremendous resources, visionary management and customer-service orientation. From its statement that it 'will work to develop new products for the Amiga market,' we conclude the Amiga has a bright future ahead of it. I trust that this will re-invigorate the Amiga community and renew interest in our markets. We're looking forward to a surge in sales of our Amiga products in the coming months as a result of this announcement."

CUGUG and the Amiga Web Directory see the take-over in a similarly positive light: *"CUCUG and The Amiga Web Directory are pleased to see the long wait to find out who the new owners will be is finally over. While it's a little early to judge just what Gateway's long-term plans are for the Amiga, there are a number of very positive things that can be said."*

"First, Gateway has financial resources and as far as we know, is financially stable. They enjoyed sales of $5.04 billion with a 5 per cent after-tax net income last year, a record for Gateway. Secondly, this is a company - unlike Commodore - not afraid of marketing and advertising computers. Its voluminous print ads that dominate the computer magazines are clever and eye-catching. Its recent television spots are also entertaining and display the company's products in a very positive light. Gateway just may spend a few dollars advertising the Amiga. This alone will be a strong, positive dynamic in the Amiga market."

Almathera Closure

Ironically, in such a positive upbeat month for the Amiga, Almathera Systems Ltd. has had to cease trading, due to cash flow problems caused by non-payment from VisCorp.

The company had been battling to survive after the closure of Commodore three years ago, but was forced to announce its closure in March. Almethera had been contracted to work on VisCorp's set top boxes project. Although the company dedicated months to developing a core component for the set top box operating environment, VisCorp was unable to pay Almathera for the work completed and the company was unable to recover from the losses.

In a statement released on the Amiga Web Directory, Almathera's management thanked the Amiga Community for its support saying: *"In the six and a half years that Almathera has been trading we have made many friends among the Amiga community and wish everyone that dealt with Almathera at any time all the best for the future."*

news snippets

WEB TV DEAL!

Software giant Microsoft has purchased the privately held WebTV Networks Inc. in a deal estimated to be worth $450 million.

WebTV, based in Palo Alto, California was founded in 1995 to develop technologies and guidelines for manufacturers to create set top boxes which would allow Internet access via television. WebTV networks licences its designs for set top boxes to Philips Consumer Electronics Co. and Sony Corp.

Essentially, the acquisition will allow Microsoft an unrivalled ability to influence the development of the set top box. In a statement, chairman and chief executive of Microsoft, Bill Gates said that, "This partnership with WebTV underscores our strategy of delivering consumers the benefits of the Internet together with emerging forms of digital broadcasting."

The acquisition coincides with Microsofts recent announcement that future versions of Windows and Windows NT would include software that allowed the computer used to view traditional television programmes, Internet broadcasts and revolutionary new services such as personalised news delivery on their computers.

PAGE MONSTER 1.0

American developers CultureShock Multimedia have released Pagemonster 1.0, a user friendly web page generation tool for the Amiga.

Pagemonster is designed so that people with no previous knowledge of HTML can create pages using the tool. The point and click interface and digitized voice narration also cater to those might otherwise be intimidated by the prospect of creating web pages on the Amiga.

Pagemonster will require a pretty good system setup. To run it you will need, Amiga OS 3.0 or greater, at least 6 Megs of Ram, AmigaVision Player and Runtime libraries, the Append command and 8 megs of Harddrive space

CultureShock Multimedia are making Pagemonster 1.0 available for $49.95 if it is purchased before July 1997. After this time the price will be set at $69.95. If you are interested in Pagemonster contact CultureShock at:

CultureShock Multimedia
2319 North 45th street
Suite 296
Seattle,
Washington 98103
or cshock@serv.net.

PIOS

This year's CeBIT show will see the unveiling of the first PowerPC to meet the conditions of the Common Hardware Reference Platform (CHRP) standard. This is a standard that guarantees all CHRP computers can use any other CHRP compatible operating systems or hardware.

The PIOS Maxxtrem 200 is powered by a 200 MHz PPC 603 processor and can be easily upgraded. The Maxxtrem is already prepared for new PowerPC generations so that the machine can grow with the demands of the user.

In addition, PIOS states that, *"...the Maxxtrem can be operated with several processors. Halfway through the year, PIOS will have finished the first multiprocessor cards with the two and four PowerPC CPUs. In view of the coming enormous development of RISC technology, a performance of 4 x 300 MHz or more will be possible!"*

The PIOS Maxxtrem will come as standard with E-IDE hard disk drive, CD-Rom drive, 1.44 floppy drive, keyboard and mouse, as well as Mac OS and BeOS. For more details contact PIOS Computer AG on: (49) 5121 75 33 0

GASTEINER WORLD OF AMIGA

More details have emerged about the Gasteiner World of Amiga Show. The biggest names in the Amiga world have signed up for the show including Active Software, Digita, Golden Image, Hi Soft ICPUG, PD Soft, Sadeness, Siren, Wizard Developments, Blittersoft, Epic, Guildhall, HiQ, Nova Design, Power Computing, Scala UK and SNAP Computer Supplies.

A highlight of the show will be the appearance of the first new Amiga to be produced in several years, the Power Amiga 7000 from Direct Software. It will be the most powerful Amiga ever and should beat any PC under £3,000. The Power Amiga will be demonstrated and Direct Software will be taking orders for the machine at the show.

Not to be outdone, PIOS will be exhibiting the transAm and Maxxtrem. The transAm is described by PIOS as *"the home computer of the future, the Amiga of the next generation, faster than the Amiga world knew before."*

The show takes place at the Novotel Exhibition Centre, Hammersmith, London, on Saturday 17 and Sunday 18 May. Tickets cost £8 for adults and £6 for children. For advance booking call the advance booking hotline on 01369 707766.

AMIGA DEVELOPER NETWORK LUANCHED

On the other side of the Atlantic, The North Alabama Society of Amiga Users has announced the launch of its new Amiga Developer Network Web site at http://www.amiga.org/developer. The site is dedicated to the further development of the Amiga platform and will include discussion bases, technical specifications and developer contact information.

For more information on the North Alabama Society of Amiga Users contact:
Wayne Hunt
North Alabama Society of Amiga Users -
http://www.amiga.org/nasau/about.html
World-Wide Amiga Online - http://www.amiga.org
Amiga Developer Network - http://www.amiga.org/developer

Winner of Gold Format Award in Amiga Format February 1997

Best pricing on CD ROM Drives & Hard Drives.

We can supply CD ROM solutions for ALL Amigas from A500 to A4000. We will match any genuine advertised price and also give four top titles free: Nick Faldo's Championship Golf; Syndicate; Pinball Fantasies & The Chaos Engine on top where we have to price match any product.

All our External IDE CD ROM Drives have built in power supplies (they do not draw power from your Amiga)

Three different options to connect CD ROM drives to A600 or A1200

a) Use PCMCIA port for total external solution without opening up your Amiga. You can Hot plug this device without harming your Amiga.

b) Use Internal IDE port with AlfaDuo if you have 2.5" Hard Drive (will be with full IDEFIX software).

c) Use Internal IDE port with AlfaQuatro interface if you have 3.5" Hard Drive (will be with full IDEFIX software).

All CD ROM drives have play CD facility. Audio connection at front as well as at the back. Metal casing.

	External A600/A1200	Internal A1500/A2000	External* A500/A500+	Internal A4000
Quad speed CD ROM for	£149.00	£119.00	£129.00	£109.00
Six speed CD ROM for	£159.00	£129.00	£139.00	£119.00
4x4 Disk Changer	£159.00	£129.00	£139.00	£119.00
Eight speed CD ROM for	£169.00	£139.00	£149.00	£129.00

*(for A500/A500+ Alfapower hard drive controller and Hard Drive is required). A1500/A2000 supplied with IDE controller & software. A4000 supplied with AlfaQuatro interface & Full IDE Fix software.

Amiga Mice

Replacement Mice £6.95
MegaMouse 400 .....£9.95
MegaMouse Plus (3 Button) £10.95
Optical Mouse £29.95
New Golden Image TrackBall.....£19.95
Pen Mouse .....£12.95 (ideal for CAD)

Ram Boards

RAM CARDS A1200

A1200 with clock and 4Mb £49.00
A1200 with clock and 8Mb £65.00
A1200 with clock, 8Mb & 33Mhz FPU ..£80.00
33Mhz FPU inc. crystal.....£15.00

RAM CARDS A500/500+ & A600

A500 512K w/o clock £20.00
A500+ 1Mb w/o clock £20.00
A600 1Mb w/o clock £20.00
A600 1Mb with clock £30.00

Controllers

AlfaPower Hard Drive controller A500 ...£99
AT-Bus Hard Drive controller A2000 .....£99
Oktagon 2008 SCSI controller £99
Multiface III £79
PCMCIA Controller for CDRom for A1200 £69

Spider

NEW MULTI I/O CARD

FOR AMIGA 1500/2000/4000

Active 8 port high speed serial card. Multiboard Support 57600 Baud rate on all channels simultaneously. **£299**

New AlfaQuatro Interface

Specially made hardware and software. Allows 4 ATAPI devices, ie, 2 IDE hard disk & 2 IDE CD Rom to Amiga 4000 internal IDE controller, through Alfapower on Amiga 500/500+ and possibly Amiga 1200, comes with full IDE Fix software **£59**

Joysticks & Joypads

Amiga Joysticks £9.95
Amiga Joypads.....£9.95
CD32 Joypad £14.00

Speakers

Multi Media Speakers
100 watt (pmpo) £30.00
Multi Media Speakers
240 watt (pmpo) £45.00
Multi Media Speakers
300 watt (pmpo)* £59.95
** 3D surround sound*

92% AUI

Floppy Drives

External Floppy Drive for all Amigas.....£39.95
Internal Floppy Drive A500/500+ £35.00
Internal Floppy Drive A600/1200+ ...£35.00
A-Grade Double Density box of 50 disks.....£13.00
including colourful labels

IDE Hard Drives

HARD DRIVES + AT-BUS CONTROLLER FOR AMIGA 500(+)/A1500/A2000/A3000/A4000

AT-Bus hard drive controller £99.00
Alfapower hard drive controller £99.00
Alfapower-640 640Mb hard drive £199.00
Alfapower-1.2G 1.2Gig hard drive £259.00
Other sizes please ring

IDE 2.5" Hard Drives

IDE 2.5" Hard drives come formatted and installed with Workbench. Cable, screws, software and instructions supplied. *(please ring for availability)*

80Mb £69.00
120Mb £70.00
★170Mb .....£79.00★
250Mb £89.00
340Mb £109.00
420Mb £119.00
540Mb £129.00

IDE 3.5" Hard Drives

IDE 3.5" Hard drives come formatted and installed with Workbench. Cable, screws, software and instructions supplied. *(please ring for availability)*

640Mb £99.00
720Mb £110.00
840Mb £125.00
1.0GIG £149.00
★1.2GIG .....£159.00★
1.7GIG £179.00
2.1GIG £219.00
2.5GIG £239.00
3.2GIG .....£Call
3.8GIG .....£Call

Memory

4Mb Simms.....£20.00
8Mb Simms.....£35.00
16Mb Simms ...£75.00
32Mb Simms...£160.00

Scanners

800 dpi £69.00
800 dpi with full OCR (last few so hurry) ...£79.00
400dpi with Migraphs acclaimed Touch-Up, Merge-it and full OCR £99.00

Miscellaneous Products

44pin 3 connector cable £10.00
44pin 2 connector cable £5.00
40pin 3 connector cable 90cm £10.00
AlfaDuo 44pin to 40pin Interface & IDE cables...£20.00
AlfaQuatro 3x40pin interface & IDE cables £39.95
DD floppy disks (50) *including multicoloured disk labels* £13.00
DD floppy disks (100) *including multicoloured disk labels* £25.00
3.5" Hard Drive Kit for A600/1200 *+ Install software* £15.00
Diskbox to hold 10 discs £2.00
Animal Jungle design and Dinosaur design ...£5.00
Optical Mouse Mat £5.00
2 in 1 Scanner/Mouse Pad *Can be used as a memo pad* £5.00
Contoured Wrist Pad.....£3.00
Plain Wristrest £2.00

CD Cleaners - 1/2 price

CD Rom Cleaner £3.00
Automatic CD Rom Cleaner *(battery powered)* ...£10.00
Laser Lens Cleaner £4.50

Accelerator Boards

1230 33Mhz + 4Mb £135.00
1230 33Mhz + 8Mb £145.00
1230 33Mhz + 16Mb.....£175.00
1230 50Mhz + 4Mb £179.00
1230 50Mhz + 8Mb £189.00
1230 50Mhz + 16Mb.....£219.00

All prices include VAT. Please add £3.50 P&P for items under £30.00, £5.00 for items over £30.00, £8.00 P&P for Scanners, Speakers & Hard Drives, £10.00 courier for next day. Tax Free Export Orders Welcome.

Golden Image accepts Access, Visa, Cheques & Postal Orders. E&OE. Prices subject to change without notice. Goods subject to availability. Specifications subject to change without notice.

GoldenImage (UK) Ltd

Unit 65, Hallmark Trading Estate, Fourth Way, Wembley, Middx HA9 0LB

Sales Hotline No: 0181 900 9291 Fax: 0181 900 9281

http://www.reserve.co.uk/gold Talking Pages: 0800 600900

Our standard terms and conditions apply – available on request. We do not supply on a trial basis.

VISA MasterCard SWITCH AMERICAN EXPRESS

USA news

by Katherine Nelson

AMIGA MONITOR

In an attempt to monitor Amiga Web browser usage on the Internet, Amicrawler has released Amiga Browser Watch. This Web page displays the statistics of which types of Amiga browsers visit the amicrawler.com Web site with what frequency. Only publicly available browsers which are running on Amiga computers (i.e. not Netscape running on Shapeshifter) are tallied.

The first week of the analysis determined that the number one Web browser on the Amiga which visited the amicrawler.com Web site was iBrowse. It made up 68.5 per cent of the visitors, AWeb made up a further 16.1 per cent and AmigaVoyager 14.6 per cent.

AmigaMosaic and other, older Web browsers together represented 4 per cent, while ALynx had a 3 per cent share of the users. The particular versions of the browsers which scored the highest were AmigaVoyager v2.10, IBrowse v1.02demo and Amiga-AWeb v2.1. Samples were taken from a total of 23,566 visitors to the amicrawler.com site.

Future planned enhancements to Amiga Browser Watch include weekly or monthly ratings of browser usage, notification of new Web browser versions, as well as further information on the systems accessing the amicrawler site, such as operating system and version number.

The Amiga Browser Watch Web page can be found at http://amicrawler.com/bwatch/.

COMPTON ON TAPE

Amiga Report Online Magazine and The Vantage Point video production company have joined forces to begin Amiga Legacy Magazine. Amiga Legacy is a visual Amiga magazine on 90 minute VHS tape and is hosted in part by Jason Compton.

It covers general interest items as well as features tutorials, news and reviews. Amiga Legacy is produced entirely on Amiga and Draco computers and will be published five times a year, commencing June 1997. Currently, there are only plans for an NTSC version, but interest will determine whether or not a PAL version will be produced.

It is $14.95US for a single issue, $12.95US per issue for a three issue 1997 subscription and $11.45US per issue for the eight issue 97/98 subscription. Prices do not include shipping, which is $2.05 per issue in the US. Contact Amiga Legacy for international orders. (Illinois residents will also be charged applicable sales tax). Cheques drawn on a US bank, as well as US money orders and cashiers cheques are currently being accepted. Cheques should be made out to Legacy Maker. Credit card orders (VISA/MasterCard) are also being taken.

For more information, visit http://www.xnet.com/~jcompton/legacy.html/, or contact Amiga Legacy at jcompton@xnet.com or at the address below.

BIG ISSUE

Amiga Informer issue number six is now available. This issue marks the one-year anniversary of the publication, which first started as an eight page newsletter. Some of the featured stories in this issue include Carl Sassenrath's LAVA programming language, an interview with the former employee of Utilities Unlimited and current employee of Microcode Solutions, Jim Drew, and a look at Expansion Systems and its product line. Issues of the Informer remain priced at $1US domestically, and $2US internationally.

LEARNING FX

Nova Design, Inc is now offering ImageFX seminars given by its staff to individual users, user groups, dealers and so on. These seminars are held only on weekends and booked on a first come, first serve basis.

The cost for a seminar is $150US plus travel and hotel expenses. This price is the same for individuals and for groups.

Seminars scheduled so far are listed on the Nova Design Web pages (http://www.novadesign.com/), as well as the dates available to be scheduled for future seminars. Nova Design, Inc. can be contacted by voice on 804-282-6528, or by fax on 804-282-3768.

ENFORCER REVAMPED

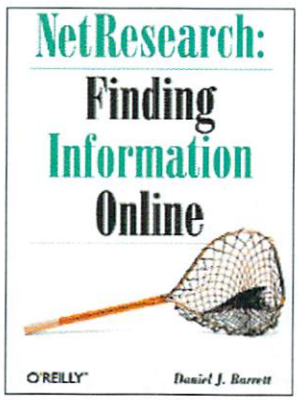
The new version of Amiga Enforcer, the debugging tool for the Amiga, is available from Intangible Assets Manufacturing. Enforcer V37, which now supports the 68060, can be used to detect references to invalid memory and stray pointers. It also includes the ability to track errors in most code written in C or assembly, including identifying the line at which the problem occurs.

There are a large number of changes and improvements from the previous version of Enforcer, including new in-depth documentation and an MMU dump. The source code to Enforcer V37 can be purchased from IAM.

Questions or comments about Enforcer can be directed to enforcer@iam.com. Letters addressed to the author of Enforcer, Michael Sinz, can be mailed to the IAM corporate address. Further information about Enforcer and the source code is available on http://www.iam.com/amiga/enforcer.html.

SEARCH AND FIND

Dan Barrett (of BLAZEMONGER fame) has written a new book entitled 'NetResearch: Finding Information Online', published by O'Reilly & Associates. It is intended to be a research aid to anyone wishing to quickly find anything on the Web. Rather than just listing locations, it details methods for searching. This is in order to compensate for the ever-changing nature of the Web. NetResearch will retail at $24.95 US - ISBN: 1-56592-245-X.



BBS TO GO

Version 7A01 of Citadel 68K Freeware BBS Program has been released by Custom Services. This BBS program, which is also available for the Atari and IBM computers, is 'room'-based, dividing the BBS up into areas according to subject. These rooms are configurable by the sysop. The full Citadel 68K program can be downloaded from a local Aminet mirror from the comm/bbs directory. There is no shareware fee.

CONTACT POINT

Custom Services
Email: apreston@k2nesoft.com

The Amiga Informer
PO Box 21
Newburgh, NY 12551-0021
Phone: 914-566-4665
Email: eldritch@mhv.net

Amiga Browser Watch
David Tiberio
Email: dtiberio@amicrawler.com
Web: http://www.amicrawler.com/bwatch/

clickBOOM
Email: clkboom@ican.net
Web: http://home.ican.net/~clkboom/

Nova Design, Inc.
(Bob Fisher)
Voice: 804-282-6528
Fax: 804-282-3768
Web: http://www.novadesign.com/

Michael Sinz
Intangible Assets Manufacturing
828 Ormond Avenue
Drexel Hill, PA 19026-2604
USA
Orders: 610-853-4406
Fax: 610-853-3733
Email: enforcer@iam.com
Web:
http://www.iam.com/amiga/enforcer.html

NetResearch
O'Reilly & Associates
Email: dbarrett@ora.com
Web: http://www.ora.com

Amiga Legacy Magazine
c/o Legacy Maker
PO Box 60711
Chicago, IL 60626
USA
Phone: 773-465-5158
Email: jcompton@xnet.com
Web: http://www.xnet.com/~jcompton/legacy.html

Paxtron CORPORATION AMIGA REPLACEMENT CHIPS AND SYSTEM UPGRADES Paxtron CORPORATION

Paxtron is North America's largest wholesale supplier of Amiga replacement and upgrade chips

REPLACEMENT & UPGRADE CHIPS

(Factory New)	PRICE
1.3 ROM O/S	$12.50
2.04 ROM O/S	$19.95
2.05 ROM (V37.350) (A500 & A2000)	$19.95
2.04 ROM A3000 (Set of 2 Rom 0/1)	$34.50
2.1 Workbench for floppy users (complete O/S without support file)	$7.95
3.1 ROM (A500/A2000)	**$39.95**
3.1 ROM (A3000/A4000)	**$54.95**
3.1 ROM (A1200)	$54.95
3.1 ROM(s) Software/Manual	$124.00/$137.50
ROM Switch/Switch-Itt with speaker	$17.50
3.1 manual only	$69.95
3.1 Software	$10.00
3.1 Workbench for floppy users (complete O/S without support file)	$7.95
A2091 7.0 ROM Upgrade	$19.95
A2620/30 7.0 ROM Upgrade	$19.95
8520 CIA	$11.95
8372A/8375 Agnus with diagnostic disk/guide	$29.95
8375-B (2MB) (A3000) 318069-03	**$25.50**
8375-10 Agnus (318069-10) PAL	$17.95
8375-18 Agnus (318069-18) 2 meg PAL	$15.95
Paula (8364) A500/A2000	$10.95
Denise (8362) A500/A2000	$10.95
Super Denise 8373 w/diagnostic disk	$19.95
Gary 5719 A500/A2000	$10.95
Buster 5721 (A2000)	$16.95
68000-8MHz CPU (DIP)	$11.50
68000-16MHz CPU (DIP)	$22.50
68030-RC50 PGA	$84.50
MC 68882RC25A PGA New (390434-01)	$19.95
MC 68882RC20A PGA	$30.00
MC 68882RC33A PGA	$37.50
XC 68882RC40A PGA	$69.95
MC 68030FE25B QFP (390399-05)	$19.95
MC 68030RC50 PGA	$69.95
Western Digital SCSI chip rev. 8	$24.95
Video Hybrid - (A500 390229-03)	$9.95
GVP Upgrade Chip Series II	$24.95

SURFACE MOUNTED DEVICES

(For A1200, A3000, A4000, CD32)

8520 PLCC (391078-02)	$19.50
Amber (390538-03)	$24.50
DMAC 4 (390537-04)	$34.50
Lisa (391227-01)	$24.50
Ramsey (rev.4) 390544-04	$19.95
Ramsey (rev. 7) 390541-07	$29.95
Alice 8374 (391010-01)	$19.95
Gal (XU9) (390123-01))	$21.95
Gayle (315107-02)	$19.95
Budgie (391425-01)	$33.95
Super Denise (391554-01)	$29.95
Paula 8364 (391077-01)	$27.95
Gary (390540-02)	$32.95
Super Buster Rev. 11 (390539-11)	**$29.95**
Bridgette (391380-01)	$29.50
Video DAC (391422-01)	$19.95
68000CPU (390084-07)	$13.95
68020-16 (391506-01)	$18.95

MOTHERBOARDS (Factory New)

CD32 (no RAM memory) NTSC	$89.95
CD32 complete with RAM/tested NTSC	$109.95
CD32 complete with RAM/tested (PAL)	$89.95
CD32 replacement CD mechanism	$39.95
A500 (rev. 3) inc all chips	$39.95
A500 (Rev. 5/6)	$89.50
A600	$124.50
A1200 (NTSC) Limited quantity 3.0 O/S all memory New	$300.00
A1200 (PAL) Limited quantity 3.0 O/S all memory New	$300.00
A2000 LATE Rev. 8372/2.05	$399.95
A3000 (16MHz)	$264.50
A3000 (25MHz)	$294.50
A3000T (Tower) 25MHz	$389.95
C64 (refurbished, tested all chips)	$29.95
C64 untested, all chips clearance	2/$25.00

AMIGA FLOPPY DRIVES (Factory New)

Amiga "Q-Drive" 1241 CD ROM Drive for the A1200	$149.95
High Dens. External floppy for all Amigas	$114.95
High Density Internal Floppy Drive:	
A4000	$104.95
A2000	$109.50
A500 Internal 880k	$38.95
A600/1200 Internal	**$39.95**
A2000 Internal 880k	$39.95
A3000 Internal 880k	$39.95
A4000 Internal 880k	$49.95
CD32 Replacement CD mechanism	$39.95
1541 (refurbished)	$33.00
1571 (limited quantity)	$44.00

POWER SUPPLIES (Factory New)

A500	$38.95
A500/A600/A1200 Big Ft. (200 Watt) Micro R/D	$79.95
A500 power supply (used) 220 volts Europe	$19.95
A590	$19.95
A1200 110 volts original factory	$38.95
CD32 Original / Factory (110 volts)	$21.95
CD32 Original / Factory (220 volts)	$14.95
CD32 Big Foot (200 Watt) Micro R/D	$74.50
A2000 110/220V. internal original	$89.95
A2000 Big Foot (300 Watt) Micro R/D	$144.50
A3000 internal (110/220 volts)	$110.00
A3000 Big Foot (250 watts) Micro R/D	$144.50
A3000 Tower	$124.00
A4000 internal (110 volts)	$119.00
A4000 int. 300 Watt Big Foot (exchange)	$169.95
1084S Phillips Flyback Transformer only	$29.95
1084-D1 Phillips/Daewoo Flyback only	$38.50
1084-D2 Daewoo Flyback Transformer only	$38.50
1084S new Motherboard/Flyback	$69.95
1084S power supply board (refurbished)	$29.95
C64 nonrepairable	$14.95
C64 repairable	$19.95
C64 5.2 amp Heavy Duty (also 1750 REU)	$39.95
C65 110 Volt	$21.95
C128 external 5.2 amps	$39.95
1541 II/1581	$7.50

KEYBOARDS (Factory New)

A500 (limited quantity)	$39.95
A600	$26.50
C128D (limited quantity)	$24.95
A1200	**$34.95**
A2000 (Amiga Technologies)	$74.50
A3000 (Amiga Technologies)	$74.50
A4000 (Amiga Technologies)	$74.50
A2000 keyboard adapter to A4000	$8.95
A4000 keyboard adapter to A2000A/3000	$8.95
KB100 adapter to use with IBM keyboards	$34.95

ADD ON BOARDS (Factory New)

68020-030 (A4000)	$67.95
A2058 (0K) (A2000) Expansion board 8K	$69.95
A501 original Ram Exp. – 512K (A500)	$17.95
Microway Flickerfixer	$224.00
Slingshot Pro/pass thru (Micro R/D)	$37.50
A1050 RAM Expander (A1000) 256K	$10.95

APOLLO ACCELERATORS

1230 Lite 25MHz 68030 W/MMU+FPU for A1200 computers	$139.95
1230/50MHz 68030 for A1200 computers	$239.00
1240/25MHz 68040 for A1200 computers	$369.95
1240/40MHz 68040 for A1200 computers	$449.95
1260/50MHz 68060 for A1200 computers	$729.95
1200 SCSI Module for Apollo A1200 accelerators	$129.00
2030/25MHz 68030+68882+SCSI-2 for A2000	$299.95
2030/50MHz 68030+68882+SCSI-2 for A2000	$389.95
2040/25MHz 68040+SCSI-2 for A2000	$449.00
2040/40MHz 68040+SCSI-2 for A2000	$529.00
2060/50MHz 68060+SCSI-2 for A2000	$849.95
3060/50MHz 68060+SCSI-2 for A3000 Desktop	$829.95
3040/40MHz 68040+SCSI-2 for A3000 Desktop	$559.95
4040/40MHz 68040+SCSI-2 for A3000T & A4000(T)	$559.95
4060/50MHz 68060+SCSI-2 for A3000T & A4000(T)	$819.95
Mini Meg 2Mb Chip RAM Board	$185.00
SX32	$279.95

PHASE 5 ACCELERATORS

Blizzard 1230-IV w/50MHz 68050	$254.95
Blizzard 1260 Turbo Board w/50MHz 68060	$749.95
Blizzard 1230-IV Turbo Board w/50MHz 68050	$254.95
Optional Blizzard 1260 or 1230-IV SCSI Kit	$169.95
Blizzard 2040 ERC w/40MHz 68040	$559.95
Blizzard 2060 Turbo Board w/50MHz 68060	$849.95
Cyberstorm Mark II 040/40MHz	$559.95
Cyberstorm Mark II 060/50MHz	$849.95
Cyberstorm Fast SCSI-2 Module	$179.95
CyberVision 64/3D 4Mb	$349.95
CyberVision 64/3D MPEG Module audio/video	Call
CyberVision 64/3D Scan Doubler/Monitor Switch	$139.95

MOUSE CONTROLLERS (Factory New)

Amiga 1352	$22.50
Wizard 3-button (for all Amigas)	$19.95
A4000	$26.85
Amiga CDTV	$15.95
Amiga A1200 mouse port replacement kit	$7.95
CD32 controller	$11.75

DIAGNOSTICS

Advanced Amiga Analyzer	$59.95
Final Test diagnostic disk by Amiga	$7.95
Amiga Troubleshooting Guide	$7.95
Commodore Diagnostician II	$6.95
Complete Service Manuals: A500, A500+, 590, A1000, 1230 printer, 1802, 1902, 1902A, 1934, 2002, 2091, 2300, 2630, CDTV, 1581, C65	$19.95
A500 schematics, A600, 1084S, 1084S-D1, 1084ST, 1936A, 1960, A2000	$24.00
A1200, A3000, A3000T, A4000, CD32	$39.95

CLEARANCE SALE

A500 Computer (NTSC) with P/S	$119.95
A520 Video Modulator Adapter Cable.	$12.50
2.04/3.1 ROM Switch - (Switch Itt) with speaker	$17.50
15-23 pin VGA adapter	$19.95
Monitor Cables - 30 Different types	CALL
Monitors: 1084S, 1802, 1950 etc	CALL
Laser printer memory board 0K (All HP units)	$24.95
Sony QD6150 data cartridge	$7.50
Joystick - Captain Grant (for all Amigas)	$2.99
1x4 S/C ZIP for A3000	$8.00
Upgrade your A3000-16MHz PCB to 25MHz (plus UPS)	$44.50

★ ONLY AT PAXTRON ★

Amiga A3000 Computer

(unassembled)

Includes:

- A3000/16MHz (factory refurbished) motherboard with 2 megs of RAM (25MHz version, add $35.00). Includes 90 Day Warranty.
- New A3000 Power Supply (110 or 220 volts).
- New A3000 Floppy Drive 880k
- New Daughter Board.
- Amiga 3000 Mouse
- Full A3000 Service Manual (valued at $39.95).
- User Manual.
- All Cabling.

$439.50 (plus UPS)

ADDITIONAL OPTIONS AVAILABLE

Ramsey 7 Upgrade
DMAC 4 Upgrade
Super Buster 11 Upgrade
PACKAGE PRICE $79.95

Western Digital SCSI 8A	$23.95
3.1 Operating System Upgrade ROM	$49.95
3.1 ROM Software (package of 7 discs)	$7.50
3.1 Books/Manual (without disks or ROM)	CALL
1 x 4 Static Column ZIP (8 zips = 4 megs)	$7.00
A3000 Keyboard	$67.50
Hard Drive	CALL
AmiFAST 3000 Adapter (ZIP to SIMM adapter)	$74.50
Rack Mounted A3000 Cabinet	$54.00

The above prices are special to those people who purchase the A3000 kit

★★★ WANTED ★★★

Top dollar paid for your A2000 computer
CALL FOR DETAILS

NEW FROM BLACK FOREST PRODUCTS GmbH

JET FIRE 132

FOR THE AMIGA A1200

Black Forest Products is pleased to announce a 68030-25MHz accelerator* that will speed up your Amiga A1200 computer more than 400 per cent. The Jet Fire 132 is priced substantially lower than any of its competition.

Includes:

- 68882 FPU running at 25MHz
- Built-in MMU at 25MHz
- Built-in real time clock
- Accepts standard 72-pin (PS/2) SIMM for 4 or 8 megs
- Simple, easy plug in
- 1 year warranty

THIS IS AN UNBELIEVABLE ACCELERATOR AT AN UNBEATABLE PRICE!

PRICED FOR EVERYBODY

$114.95 (plus shipping)

Coming next month: 68030 in 33 MHz version

*This product is also available from our U.K. dealer, Dart Computer Services (01162 470059) in Leicester.

New enlarged 14-page Web site: www.paxtron.com

Our web page is continually updated with latest products and price changes. Visit us and check it out. Enter your order there or by E-mailing us at paxtroncorp@rcknet.com.

ATTENTION DEALERS: If you would like to receive our dealer catalog fax us your letterhead.

Paxtron CORPORATION
28 Grove Street, Spring Valley, NY 10977
914-578-6522 • 800-815-3241 800-595-5534 • 888 PAXTRON • FAX 914-578-6550
Hours: 9-5 pm ET Mon.-Fri. • Add $6.00 UPS Charges • MC/VISA • Prices subject to change
E-Mail for orders & correspondence: paxtroncorp@rcknet.com *WE SHIP WORLDWIDE!*

DISCOVER NOVUS · AMERICAN EXPRESS · MasterCard · VISA

The coverdisks

If you want the best in serious utilities or exciting games, Amiga Computing is the place for you

Extracting Cover Disk files

Before putting the cover disks anywhere near your computer, write protect them by moving the black tab in the top corner of the disk, so you can see through the hole. Doing this makes sure you cannot damage your disks in any way. There is also no reason why the cover disks need to be written to, so even if the computer asks you to write enable the disks, don't do it.

To extract any single archive, simply double click its icon, and follow the on screen instructions. If you want to extract the program to Ram, select the NOVICE level on the welcome screen, and press proceed once on the current screen, and then again on the next. The program can then be found in your Ram disk. Normally most programs need further installing, so read the documents on how to do this.

Hard Drive Users

Hard drive users do not have to boot with the first disk, but you must make sure you have the Amiga's *Installer* program in your C drawer. To make sure your hard drive has the correct files in place double click on the SetupHD icon. This will check if you have the Installer program and if not will copy it across. Do not worry as it will not write over any existing files.

All you hard drive owners will find MultiExtract very useful. It is a separate method of extracting the cover disk files. It allows you to extract a number of files in one go, to your hard disk or Ram.

When you run MultiExtract, you will be presented with a number of check boxes, each representing one of the programs on that cover disk. Just de-select all the programs you do not want extracting, and then press proceed. All the selected programs can now miraculously be found in the selected destination.

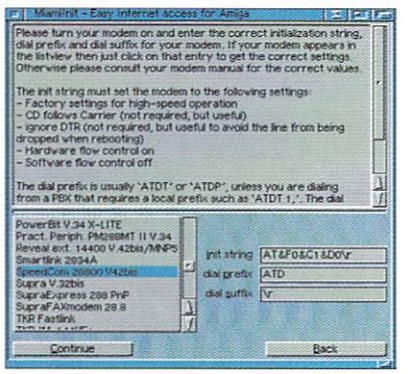
This is MultiExtract for all you sensible people with hard drives

Miami 2.0k

Author: Nordic Global Inc Requires Workbench 2.04, Internet Account

One program that has done more to get Amiga owners on the 'Net' than anything else is Miami. At the time, the problem was that the only available software that allowed you to connect to the Internet was AmiTCP and even though it was very competent at what it did, being a port of Unix software, it was an utter bugger to set up.

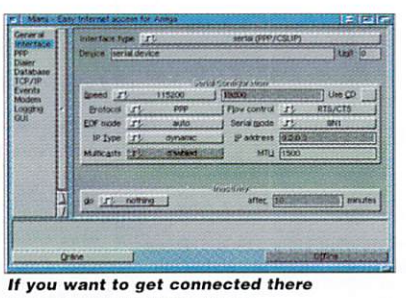
Miami changed all that, providing a single interface through which everything about the Internet connection could be altered. To make setting it up even easier, a second program called MiamiInit takes you step by step through setting up your connection.



A step by step program, easing connection to your ISP

For Miami to be of any use, you need a modem and an Internet account. If you are already on the Internet using either AmiTCP, an earlier version of Miami or another TCP/IP stack, then getting Miami up and running is a doddle. Using MiamiInit you will be given a number of choices that set up what serial device you want to use, what sort of modem you have and the type of Internet account you use. If you have a static IP address you should have this on hand.

The final stage is MiamiInit, dialling your account whereupon you enter your user name and password. When MiamiInit finishes it saves off a file called MiamiInit.config that you load into the main Miami program using the Import MiamiInit from the settings menu.



If you want to get connected there is no easier way than Miami

If do not currently have an Internet account, starting off is a little more involved as usually you have to log onto your account using a preset user name and password from your Internet provider. You then have to enter a new password, to stop naughty people getting access to your account.

Typically you would have to use a comms (or terminal) program, such as NComm, Termite or Term to dial up and alter the password. I believe, however, that you can use MiamiInit to do this. You will have to use MiamiInit twice - once to set your password and then again to set up Miami. As this process varies slightly from provider to provider, unfortunately it is impossible to know what you will have to do.

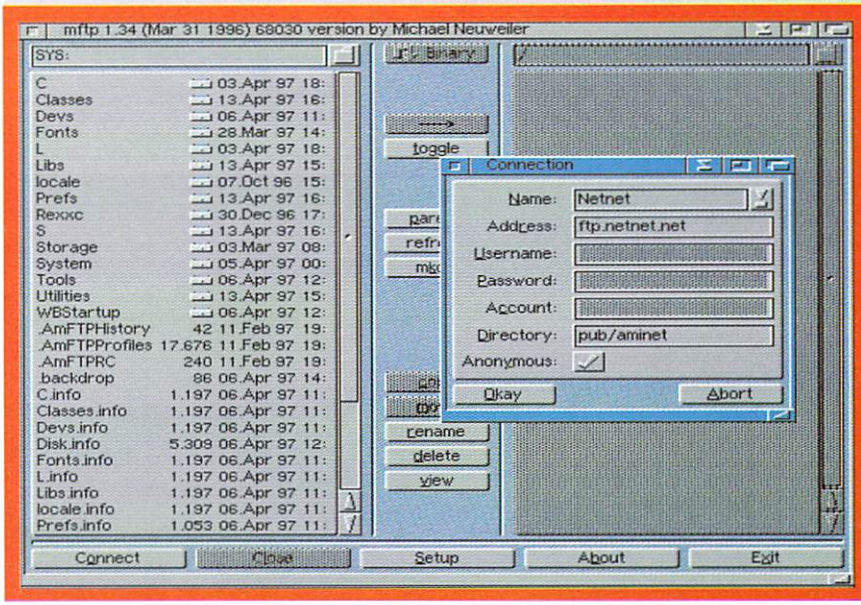
Remember Miami is shareware, so if you need any of the disabled features of Miami, or want to stay connected for more than an hour, you need to register to receive a key file to activate all the extra functions. The easiest way to find out how to register is to use the MiamiRegister program, this has full details of all the ways you can pay for Miami.

MUI

This program requires Magic User Interface v3.3 or higher. An unregistered version of Magic User Interface is freely available from Aminet or any good PD house, without it you will not be able to run any MUI program

mFTP

Author: Michael Neuweiler ● Requires Magic User Interface



Miami only provides the software that allows your Amiga to communicate across the Internet (send and receive TCP/IP messages) to actually do anything useful, you will need some Internet software.

The most basic and useful Internet program is an FTP client. This allows you to log onto other computers around the world and transfer files between your own and other FTP servers. The main use of this is to get programs you can play with on your Amiga. You will mainly use Aminet as this is the main Amiga software site on the Internet. Other sites worth visiting are Vaporware, who produce a bunch of great Internet tools including the Voyager Web browser.

Once you are connected to the Internet you type in the FTP site address in the connect window, and then wait for the FTP client to connect. After that you transfer files just like a normal file directory.

Once you are on-line select connect and type in the FTP address of the site you want to go to and use mFTP like a directory manager

FTP SITES

Aminet sites
ftp.netnet.net
ftp.grolier.fr
ftp.wustle.com

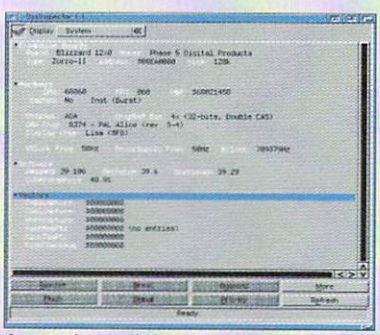
WWW sites
http://www.omnipresence.com/ibrowse/Support.html - iBrowse

http://www.idg.co.uk/amigacomp/ - US
http://www/cucug.org/amiga.html - Web Directory
http://www.yahoo.com/ - Yahoo Search
http://www.amiga.de/ - Amiga International

SysInspector

Author: Eric Sauvageau
Requires ClassAct

It is not very often that we put ClassAct based programs on the cover disk, but as this one was especially nice I could not resist. This, as you may have guessed, provides system information as does ARTM and Xopa, but all from the comfort of a ClassAct front end. Generally this means you have a much nicer interface than your usual Gadtools programs provide.



Learn about all the deep dark secrets of your Amiga

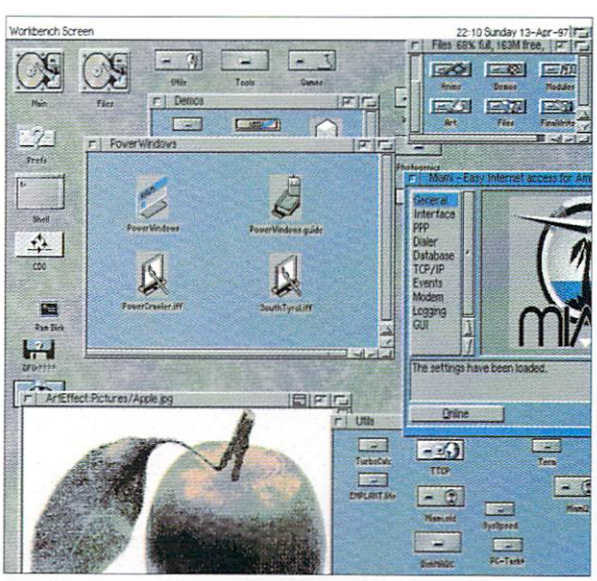
Power Windows

Author: Georg Steger
Requires Workbench 2.04

If you have ever used Windows, MacOS or X Windows you may have thought it would it be good if you could move windows off the side of the screen on your Amiga. Well now you can!

This is a system patch and a little bit of a dodgy one, as Amiga windows and the operating system are not written with these sort of shenanigans in mind. Bung the PowerWindows program in your WBStartup drawer, or double click it, and you can try it out by dragging a window off to the bottom right of the screen.

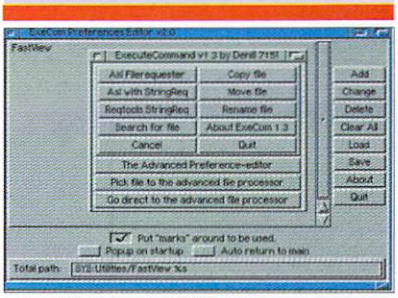
Before you go off and write you very important essay or document, check that power windows will not end up crashing your system. Try it out a bit before leaving it permanently on your machine.



Now there's something you don't see very often on an Amiga

ExeCon

Author: Deniil
Requires Workbench 2.04



Launching programs has never been so easy

Workbench provides you with an execute command, press right Amiga and e and a little text requester appears into which you can type a command. The thing is, don't you find that you only ever use the same few commands and if you need to use a long file path, why do you have to type the whole damn thing out? Why can't you use a file requester, that is what the damn things are there for?

ExeCon has a number of short cuts available, not only for running regularly used files and programs, but also for selecting files with long path names, using file requesters. The main program simply adds a new entry to the Tools menu and a preference program makes adding to the list of files simple.

Faulty Disks

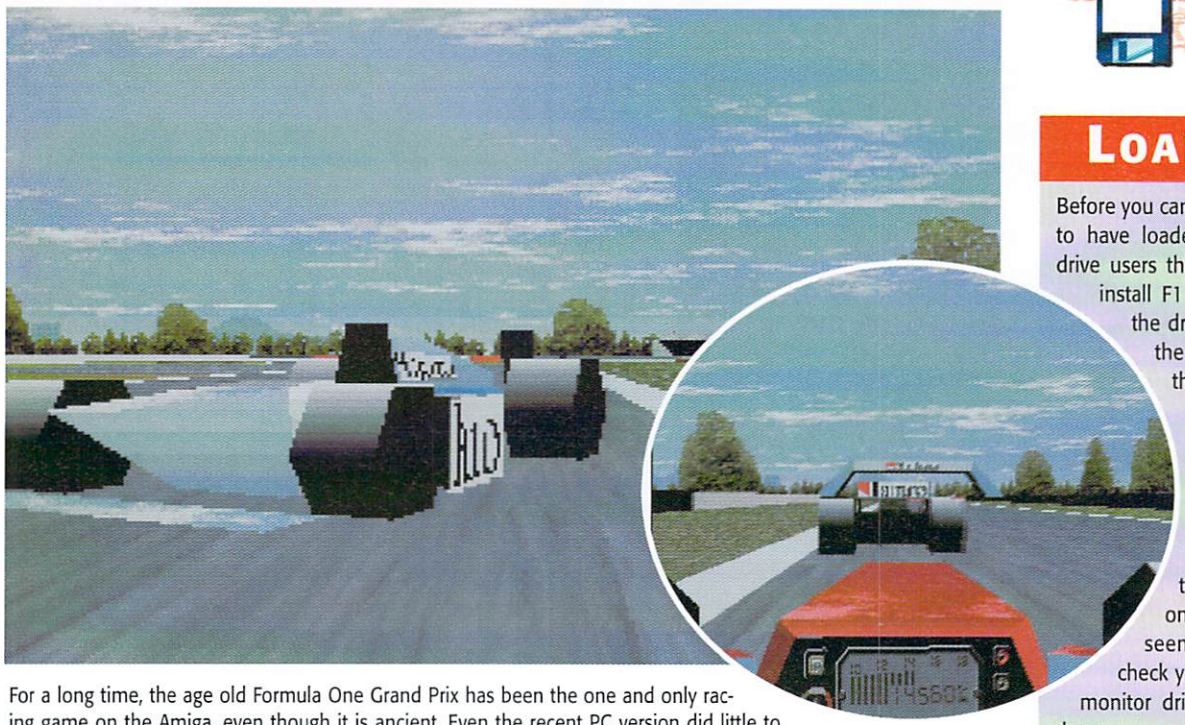
If you should find your Amiga Computing CoverDisk damaged or faulty, please return it to:

TIB Plc, TIB House, 11 Edward Street, Bradford, W. Yorks BD4 7BH.

Please allow 28 days for delivery

ALIEN FORMULA 1

Author: Paolo Cattani ● Requires Hard Drive



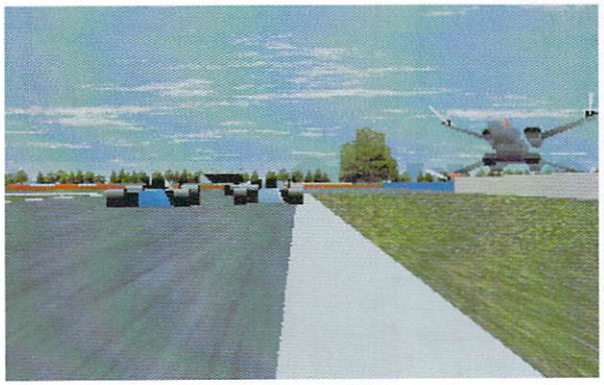
For a long time, the age old Formula One Grand Prix has been the one and only racing game on the Amiga, even though it is ancient. Even the recent PC version did little to improve on the original, proving how good the gameplay was.

If you are thinking it is about time a challenger was on the scene (particularly as you may have dug out your old copy with the new Grand Prix season well under way. We can all have a good laugh at Damon - ed), wait no longer.

Alien Formula One is a stunningly good-looking racer, and the even better news is that you won't need a 060 to get this running smoothly. Amazingly, an A1200 with fast Ram provides enough oomph to make the game smooth to play, even with everything being texture mapped.

It's not easy, however. Expect to spin off at the first corner on your first few attempts and even then, completing a single lap takes a good number of attempts, even going slow. But as the programmer says why do you think drivers get paid millions of pounds if it is easy?

Control is via the mouse with the right button providing the throttle and the left braking, to change gears use the up and down cursor keys. Steering is a little odd, you have to look in the direction you want to go, though this can be turned off if you do not like it. This is still an early-ish demo but I think you'll agree it shows a lot of promise, can't wait for the finished product.



The coverdisks

LOADING F1

Before you can run Formula 1 you need to have loaded Workbench, for hard drive users this is no problem and to install F1 on your drive just drag the drawer to where you want the game and double click the F1 icon.

Floppy users can run Alien Formula 1, but you need to run Workbench before as F1, as best as we can tell, is a little picky about the screen mode it runs on. So if Alien Formula 1 seems not to be running check you have the PAL or NTSC monitor driver in the Devs:Monitor drawer.

GAME CONTROLS

You control your car with the mouse to steer left and right, the right mouse button is accelerate and the left mouse button is brake. To change gears, use the up and down arrow keys or a joystick in the joystick port.

Keys:

F1	**This will disable the VirtuaCockpit™ features. If you own a slow Amiga, this will probably speed up the game a bit**
F2	**Blocks the driver's head**
F3	**Frees the cockpit allowing for driver's head movement**
F4	**Activates the outside view mode**
F6/F7	**In the Outside View mode, selects the car to follow**
F8	**Displays some race info (Laps, Lap-Times, Position, etc.)**
F9	**Displays some more info**
F10 - Cancel info	
ESC	**Enter car set up. From here (using a joystick) you can alter the setting of your car. In this demo you can only alter a few of the settings - tyres, shocks, spoilers and the gearbox**
HELP	**Enter Instant Replay mode. The screen will flash slowly in yellow to remind you are seeing the last 40 seconds of the race. Pressing the right cursor will fast forward the replay, while pressing the left cursor key will freeze the current frame, as long as you keep the key pressed**
DEL	**Exit Instant Replay mode**
R	**Restore the car. If you find yourself spinning on the grass, press this**
Q	**Quit the game**
UP/DOWN	**Select Gear**
M	**Enable multi-tasking. Multi-tasking is disabled for default, to gain speed. If you want to re-enable it, press this key**
N	**Disable multi-tasking**

Late Night Opening Wednesday & Thursday till 7.30pm

Open Sunday 11am to 4pm

FIRST COMPUTER CENTRE

LOW COST DELIVERY

Tel: 0113 231-9444 Fax: 0113 231-9191

- 2-4 Week Days £3.99
- Next Week Day £5.99
- Saturday Delivery £15.00

Delivery subject to stock availability

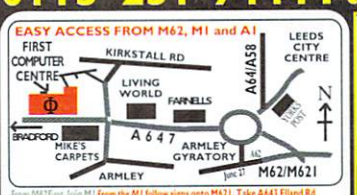
Lombard Finance

SHOWROOM ADDRESS: FIRST COMPUTER CENTRE, DEPT. AC, UNIT 3, ARMLEY PARK CT, STANNINGLEY RD, LEEDS, LS12 2AE.

Please allow 5 working days for cheque clearance. Prices are correct at the time of going to press. Please check our latest prices before ordering. All sales are subject to our standard terms & conditions(copy available upon request). E&OE.

SWITCH VISA DELTA MasterCard

EASY ACCESS FROM M62, M1 and A1



From M62 East Join M1 From the M1 follow signs onto M621. Take A643 Elland Rd turnoff from M621. Follow signs for A58. This merges with the Armley gyratory From M62 West Junction 27, A62 to Armley gyratory. From the A1 take the turnoff for A64. This merges with the A58 (by-passing town centre) which meets Armley gyratory.

E-Mail: sales@firstcom.demon.co.uk WEB: www.firstcom.demon.co.uk BBS:0113 231-1422

Hardware

AMIGA Branded Monitors

17" Monitor £399.99 Inc

14" Monitor £259.99 Includes Speakers

Amiga A1200 MagicPack

Includes, Wordworth V4SE, Datastore, Organiser, Turbocalc3.5, Personal Paint V6.4, Photogenics 1.2SE, Pinball Mania & Whizz.

£379.99

Call for availability

1st Starter Pack

- A1200 dust cover
- 10 x DSDD disks + labels
- Top quality joystick
- Deluxe mouse mat
- 3 x A1200 games

Only £19.99

Heavy Duty PSU 200watt £69.99

Software Specials

- Vista Pro Lite full ver. £9.99
- Wordworth V3 £9.99
- Deluxe Paint IV AGA £9.99
- Blitz Basic 2.1 £19.99
- Technosound Turbo II £29.99
- Final Writer 5 £74.99
- Photogenics 2 CD £59.99
- Cinema 4D V3 £159.99
- Final Data 3 £29.99

Memory

LOWEST PRICES EVER!!

A1200 4 Mb RAM	£70.99
A1200 8 MbRAM	£89.99
33Mhz Co Pro add	£25.00
PRIMA A500 512k RAM no clock	£19.99
PRIMA A500+ 1 Mb RAM	£29.99
PRIMA A600 1 Mb RAM no clock	£29.99

MASSIVE REDUCTIONS

1 Mb 72 Pin SIMM	£10.99
2 Mb 72 Pin SIMM	£14.99
4 Mb 72 Pin SIMM	£19.99
8 Mb 72 Pin SIMM	£38.99
16 Mb 72 pin SIMM	£80.99
1 Mb 30 pin SIMM	£10.99
4 Mb 30 pin SIMM	£29.99
256 by 4 DRAM (DILs)	(each)£4.99
256 by 4 ZIPPS	(each)£6.99

Part exchange available on your old memory, Call for pricing.

Accelerator Cards

Viper II-33	£129.99
Blizzard 1230-50	£159.99
Blizzard 1260-50	£479.99

CD ROM Drives/Squirrel I/face

Ultra CD ROM Drives

New!!

Ultra 6 Speed IDE £189.99

Ultra Drive Kit £119.99

Prima Technologies SCSI CD/ROM

Low Price

4X Speed Only....£129.99

* SCSI Controller required to run CD Drives.*

Squirrel SCSI-II Interface*£45.00

*When bought with any SCSI device, £54.95 if bought separate

Surf Squirrel SCSI-II Interface *£79.99

*When bought with any modem or SCSI device £99.95 if bought separate

Octagon/GVP SCSI Card £99.99

SCSI-II interface card for big box Amiga's A4000/2000 etc.

Internal SCSI CD ROM

Sanyo CRD254V x 4	£89.99
Teac CD56S x6	£121.99
Panasonic 506B x8	£129.99
Toshiba 5701 x12	£149.99

PRIMA SCSI Cases

Single Case £69.99

Dual Case £119.99

Hard Drives

3.5" Hard Disk Drives

IDE	SCSI
1.2Gig...£159.99	270Mb.....£99.99
1.6Gig...£166.99	540Mb.....£149.99
2.0Gig...£202.99	1.8Gig.....£249.99
2.5Gig...£220.99	2.1Gig.....£397.99
3.2Gig...£272.99	4.3Gig.....£862.99

Build Your Own SCSI Hard Drive

- SCSI case with built in PSU £69.99
- SCSI Hard Drive, Select from above
- SCSI Squirrel Interface £45.00
- 12 Month Warranty.

2.5" Hard Drives for A600/A1200 with Installation kit

Seagate CONNER

80Mb....£64.99	130Mb....£80.99
170Mb...£85.99	250Mb..£119.99
420Mb.£129.99	540Mb..£139.99
810.....£149.99	1.0Gig..£219.99
1.3Gig..£294.99	2.2Gig..£399.99

3.5" H/Drive Install Kit £19.99

Includes set up software, cables and full instructions, no Hard Drive.

Monitors

17" 1701.....£399.99

17" Multi-Sync Monitor, Lowest ever price.

New Low Price

AMIGA New Amiga Monitors

Multi-Sync Monitors

14" 1438s.....£259.99

14" Monitor Includes Built In Speakers

Disk Drives

Zip

- Includes:- 1 X 100Mb cartridge
- SCSI I/face & adaptor may be req. at an extra cost.

£139.99

Zip Tools Driver Software Suits Zip & Jazz Drives.....£16.99

Amiga External drive	£44.99
Amitek 1.76Mb Ext.	£69.99
A1200/600 Internal drive	£39.99
A500/500+ Internal drive	£39.99

Peripherals

Mega Mouse+ 400 dpi (3 button)	£12.99
Mega Mouse 400 dpi (2 button)	£11.49
Amiga Mouse 560dpi (3 button)	£12.99
Quality Mousemat (4mm)	£3.99
Golden Image Am/ST Trackball	£17.99
ZyFi-2 Speakers (8 watts/channel)	£26.99
ZyFi Pro Speakers (16 watts/channel)	£57.99
Roboshift (Auto mouse/J.stick switch	£9.99
Kickstart 2.04/2.05 (for use in A600)	£24.99
CIA 8520A I/O controller	£18.99
68882 Co Pro 25mhz PLCC	£25.99
68882 Co Pro 33mhz PLCC	£29.99
Zipstick Joystick	£11.99
Saitek Megagrip II	£12.99

Amiga Modulator	£34.99
Amiga Std. PSU	£34.99
Heavy Duty PSU	£69.99

Modems

PRIMA V34+ Fax Modem

Amazing Price/Performance

- 33.6 Baud Rate
- Class 1 Fax
- BABT & CE approved.

Only..£89.99

Complete with cables & Amiga N-comm Software

Bargains

V32Bis 14,400 Fax Modem Only!!.....£49.99

V22Bis 2400/9600 Modem Only!!.....£24.99

Modem Accessories

Phone Line Extension Cables...

5M. £6.99 10M. £8.99 15M. £10.99

Dual Socket Adaptor.....£6.99

Software

F.Writer Lte	£39.99
Wordworth 6	£39.99
W.orth Office	£49.99
Mini Office	£46.99
Final Calc	£94.99
Twist 2	£74.99
Turbocalc 4	£49.99
Dir. Opus 5.5	£45.99
MIDI I/face	£19.99
MegaLoSound	£24.99
Aura 16	£74.99
Net&Web	£29.99
Net&Web II	£66.99
GP Fax only	£44.99
IBrowse	£24.99

New Budget Games Titles In Stock

Road Rash £9.99

Desert Strike £9.99

Theme Park £14.99

Special Forces £9.99

Plus Many More !!

Miscellaneous

PRIMA The Prima ATOM

Heavy Duty PSU £69.99

- High Quality 200 Watt PSU.
- Colour Co-Ordinated Casing.
- 4 x The Power of Std. Amiga PSU
- 12 Month Warranty.

Pro-GRAB SVHS 24RT Plus

Pro-GRAB Only...£129.99

24 R/T PCMCIA adaptor £39.99

Power Scan v4. £89.99

256 g/scale on AGA Amigas, 64 g/scale non AGA

Power Scan Col. £174.99

24 bit colour scanner, 16.7 million colours

Fusion / Lola L-1000 Genlock

Includes Scala HT-100 £89.99

CD ROM Software

Delivery £1.50 per title or £3.99 for 4+

1078 Weird Textures	£12.99	Epic Collection 2	£17.99	Octamed 6 & Sounds Terr.	£17.99
17Bit & LSD Vol. 1/2/3	£17.99	Epic Int. Encyclopedia	£25.99	Octamed Sound Studio	£22.99
17Bit Collection	£10.99	Euro CD v1	£12.99	Oh Yes More Worms	£8.99
17Bit Continuation	£14.99	Geek Gadgets	£17.99	Photogenics 2	£89.99
17Bit Phase 4	£6.99	GIF Sensations 2	£17.99	Prima Shareware 1 CD	£9.99
17Bit 5th Dimension	£17.99	Giga Graphics 4	£28.99	Pov-Roy	£22.99
3000 JPEG Textures	£12.99	Global Amiga Exprnce.	£17.99	Retro Gold CD	£17.99
3D Images/Objects	£8.99	Graphics Sensations 1	£17.99	Scene Storm	£17.99
AGA Experience 1 NFA	£12.99	Guinness Disc of Rec.	£17.99	Sci-Fi Sensation 2	£17.99
AGA Experience 2 NFA	£12.99	Horror Sensations (18)	£17.99	Software 2000 2CD	£26.99
AGA Toolkit 97	£8.99	Hottest 6	£17.99	Sound FX Sensation	£12.99
Amiga Desktop Video 2	£12.99	Into-the-Net	£17.99	Source Code	£17.99
Amiga Developers CD	£12.99	Insight Dinosaurs	£4.99	Space & Astronomy	£18.99
Amiga Repair Kit	£39.99	Learning Curve	£17.99	Space Shuttle Encyclopedia	£24.99
AmiNet 13/14/15/16/17	£12.99	Light ROM 4	£24.99	System Booster	£17.99
AmiNet Set 1/2	£17.99	Light ROM Gold	£17.99	The Colour Library	£8.99
AmiNet Set 3/4	£29.99	LSD Compendium 3	£17.99	The Spectrum CD 96	£16.99
Arcade Classics Plus	£12.99	Magic Publisher	£39.99	The Personal Suite	£17.99
Artworx	£8.99	Magic WB Enhancer	£8.99	Utilities 2 (PDSoft)	£17.99
Assassins CD Vol. 3	£17.99	Meeting Pearls v4	£8.99	Utilities Experience	£13.99
C64 Sensations v2	£16.99	Movie Maker Special FX	£17.99	Weird Sc. AMOS PD	£16.99
Card Games CD	£12.99	Multimedia Toolkit 1+2	£17.99	Weird Sc. Clip Art	£8.99
CD-PD 1/2/3	£5.99	Multimedia Backdrops	£17.99	Weird Sc. UPD Gold	£17.99
Dem Rom	£12.99	Network 2 CD	£12.99	Workbench Add-Ons	£20.99
Demo Collection v1	£5.99	Network 2 + CD32 Cable	£33.99	World Atlas	£24.99
Emulators Unlimited	£17.99	Nothing but GIFs AGA	£17.99	World Info 95	£17.99
Encounters	£12.99	Nothing but Tetris	£9.99	Zoom 2	£18.99

FREE!! Prima Shareware CD-ROM worth £10 with every order of CD-ROM software over £30

Printers/Flatbed Scanners

Canon

Canon BJC150	£129.99
Small Footprint, Colour, 30 page ASF built in.	
Canon BJ30	£159.99
Portable mono printer, 30 page ASF built in.	
Canon BJC70Colour	£185.99
Portable colour printer, 30 page ASF.	
Canon BJ240C	£150.99
Colour Printer, 720 dpi.	
Canon BJC4200	£199.99
New version, with Photo Realism Cart. Option	
Canon BJC4550	£369.99
A3 version, with Photo Realism Cart. Option	
Canon BJC620	£294.99
Enhanced colour printer, virtual 720 dpi.	

CITIZEN COMPUTER PRINTERS

ABC Colour printer	£119.99
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	
Citizen Projet-IIc	£129.99
Colour Inkjet, 300x300 dpi, 70 sheet ASF	
Citizen Printiva 600c	£379.99
600 dpi colour, 1200 dpi mono printer, Use's New Advanced Micro Dry print Technology.	

EPSON

Stylus 400 Colour	£214.99
720x720 dpi, 4ppm Black, 3ppm Colour.	
Stylus 600 Colour	£274.99
1440dpi, 6ppm Black, 4ppm Colour.	
Stylus 800 Colour	£399.99
1440dpi, 8ppm Black, 7ppm Colour.	
Epson GT-5000 Scanner	£269.99
Entry level A4 Colour Flatbed Scanner.	
Epson GT-8500	£450.99
400dpi Fully featured A4 Colour Flatbed Scanner	
Amiga Scanning S.ware	£59.99

HEWLETT PACKARD

HP340 Colour Portable	£179.99
Full Colour, 600x300 dpi Mono, 300x300dpi Col.	
HP400Colour	£149.99
Full Colour, 600x300 dpiMono, 300x300 dpi Col.	
HP 690/693Col.	£249.99/£269.99
300x300 dpi Colour Printing, now even faster.	
HP870 Colour	£389.99
600x600 dpi up to 6 p/p/m mono, 3p/p/m colour	
HP 5L Laser printer	£279.99
4 p/p/m, 600 dpi, 1Mb of Ram.	
HP 6P Laser printer	£569.99
8 p/p/m 600 dpi, 2Mb of Ram.	

ACCESSORIES

Printer Switch Box 2 way	£12.99
Printer Switch Box 3 way	£17.99
1.8 Metre printer cable	£4.99
3 Metre printer cable	£6.99
5 Metre printer cable	£8.99
10 Metre printer cable	£12.99
Epson 200 8 Hr. Warranty	£46.99
Epson 500 8 Hr. Warranty	£75.99
Epson Iron-On Transfer	£12.99
Epson 720 dpi Paper Pack	£12.99
Canon T-Shirt Transfer	£POA
Canon BC-06 Photo Cart.	£24.99
Canon BC-09 Fluorescent	£24.99
Canon BC-22 Photo Kit	£37.99
Canon BC-29 Fluorescent	£32.99
Canon Bubble Jet Paper	£14.99
HP DJ690 Photo Cartridge	£29.99
HP Photography Paper	£9.99
HP Banner Paper	£9.99
HP Deskjet Paper Pack 500	£10.99
HP Premium Glossy Paper	£9.99

Studio 2 New ver. 2.14

"If you want to get the best possible results from your printer, get a copy of Studio".

£49.99 or £44.99 when purchased with a Printer.

Consumables

Ribbons

Citizen Swift/ABC mono	£3.99
Citizen Swift/ABC colour	£12.99
Star LC90 mono ribbon	£4.99
Star LC10/100 mono	£3.69
Star LC10/100 colour	£7.99
Star LC240c colour	£13.99
Star LC240c mono	£8.99
Star LC240 mono	£5.99
Star LC24-10/200/300 Colour	£13.99
Re-Ink Spray for mono ribbons	£11.99

PREMIER-INK Cartridge Refills

Save a fortune in running costs with your ink/bubble jet. Compatible with the HP Deskjet series, Canon BJ10/20/80/130/200/300/330, Star SJ48, Citizen Projet and many others.

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

Laser Supplies

Hewlett Packard Laserjet 5L	£65.99
Hewlett Packard Laserjet 5P	£75.99
Hewlett Packard Laserjet 4L	£68.99
H. Packard L.jet 4/M/5/M/N	£99.99
Canon LPB-460 Toner	£79.99

Laser printer supplies for major manufacturers available.....Call.

Ink Cartridges

Canon BJ10/Star SJ48	£17.99
Canon BJ200/230	£18.99
Canon BJ30 (3 pack)	£12.99
Canon BJC 70 mono (3 pack)	£10.99
Canon BJC 70 colour (3 pack)	£17.99
Canon BJC 4000 colour (single)	£16.99
Canon BJC 4000 mono (single)	£6.99
Canon BJC 4000 mono high cap.	£28.99
Canon BJC 600e mono/col.	£8.99/£7.99
Citizen Printiva mono/col.	£5.99
HP. Deskjet 340 mono	£21.95
HP.Deskjet 500 mono/col.	£22.99/£24.99
HP. Deskjet 660 mono/col.	£23.99/£25.99
HP. Deskjet 850C mono/col.	£27.49/£28.99
Epson Stylus mono/col.	£13.99/£27.99
Epson Stylus Col. IIs mono/col.	£17.99/£24.99
Epson Stylus 500 mono/col.	£16.99/£24.99
Star SJ144 mono/colour (single)	£7.99
Printer Dust Covers	£5.99

Paper

Fanfold (tractor feed) 500 sheets	£6.99
Fanfold (tractor feed) 1000 sheets	£12.49
Fanfold (tractor feed) 2000 sheets	£21.49
Single sheet 500 sheets	£6.99
Single sheet 1000 sheets	£12.49
Single sheet 2000 sheets	£21.49
Epson Stylus 720 dpi paper pack	£13.99
H.Packard Glossy paper pack (10)	£9.99
High quality Inkjet Paper (500)	£10.99

Disks

Bulk DSDD			
10 x £3.49	100 x £26.99		
30 x £9.99	200 x £49.99		
50 x £14.99	500 x £114.99		
Branded DSDD			
10 x £4.49	100 x £33.99		
30 x £11.99	200 x £64.99		
50 x £17.99	500 x £155.99		
Bulk DSHD			
10 x £3.99	100 x £29.99		
30 x £10.99	200 x £55.99		
50 x £16.99	500 x £129.99		
Branded DSHD			
10 x £4.99	100 x £35.99		
30 x £12.99	200 x £69.99		
50 x £18.99	500 x £159.99		

Labels x500 £6.99

Labels x1000 £9.99

Neil Mohr battles the forces of good and evil and manages to get Siamese RTG up and running

Charged coupling

A little over six months ago I took a look at the original Siamese system, and it worked well enough. If you regularly had to share files between your PC and Amiga, it was a handy way of getting around the problem. Not only did you get the rapid SCSI network, but by sharing the keyboard, mouse and monitor, you could also save on desk space.

The basic system consists of a single ISA board into which the monitor outputs of the Amiga and PC are piped, and a third lead that goes to your monitor. Using software on the Amiga and PC side, the Siamese board passes information from the keyboards and mice to each computer, depending on which you are using. So from a single keyboard, mouse and monitor you can have access to two machines simultaneously and can switch between the two via hotkeys or an icon on the Amiga and PC desktops. All this makes for a very comfortable working environment.

When I got that first system, HiQ mentioned it was working on a RTG system that would allow your Amiga screens to be displayed in a Windows 95 window, right there on your PC's desktop. At the time it sounded pretty amazing, particularly when I found out that the RTG works by only using the serial link to update the screen data.

Now I have actually got the chance to try out this RTG, something that really sounds too good to be true, what do I think?

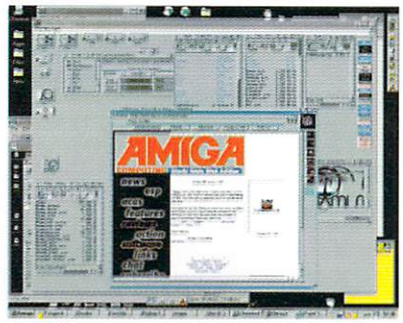
The software is as straightforward to install as the original set. The PC side is transparent as before, with all the setting up done on the Amiga, all you see over the original software is an additional program. Once run (and if both sides are running correctly when you come to selecting a program's screen mode) you will have a selection of new modes to choose from named SiameseRTG. Select one of these and hopefully you will see it appear in a Windows 95 window.

Unfortunately this is where the problems occur as the RTG software is at the mercy of how the Amiga programs write to the screen - this varies wildly from program to program. Take Opus 5.5, this was written specifically with graphic card users in mind and works flawlessly with the Siamese RTG. In fact, I would suggest anyone buying Siamese RTG to also get Opus 5 and use it as a Workbench replacement as it will get rid of many potential problems.

Next along the line are MUI programs. Again MUI has been written with RTG in mind and, on the whole, MUI programs will run on a Siamese RTG screen, usually with a few colour remapping problems, as you can see with iBrowse.

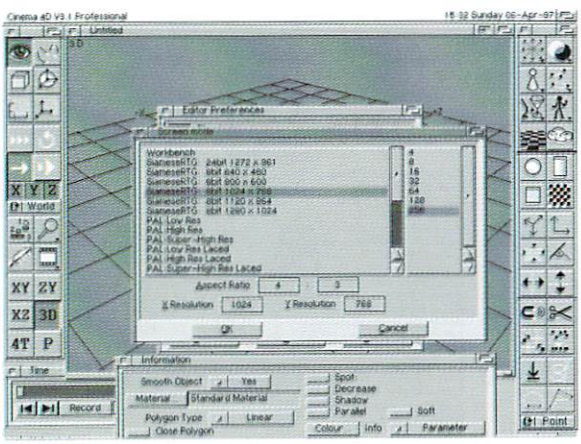
Beyond this, running programs becomes a very hit and miss affair. ArtEffect runs fine but the picture window is not displayed correctly, while other programs will simply crash the PC side of the Siamese system, forcing you to reset both machines. The biggest current problem is that Amiga menus are not correctly rendered, though by using MagicMenu you can get round this problem.

Speed-wise you can see what it is good at - drawing MUI and Gadtool based windows, and what it is bad at - drawing bitmaps such as a Multiview displayed picture. This is all down to the use of the serial connection to update the Window 95 display. Bitmap graphics, such as the images used in a Web browser, have to be transmitted in full across the serial interface and even at 115200 BPS, will take quite a while.



iBrowse running of the Opus 5 screen, it worked but was a little too slow to use

Normally Amigas have a hard time running the serial port at 115200, even acceler-



Look, new screen modes! And guess what? They don't use any of the Amiga's graphics memory whatsoever, 1280 x 1024 here we come

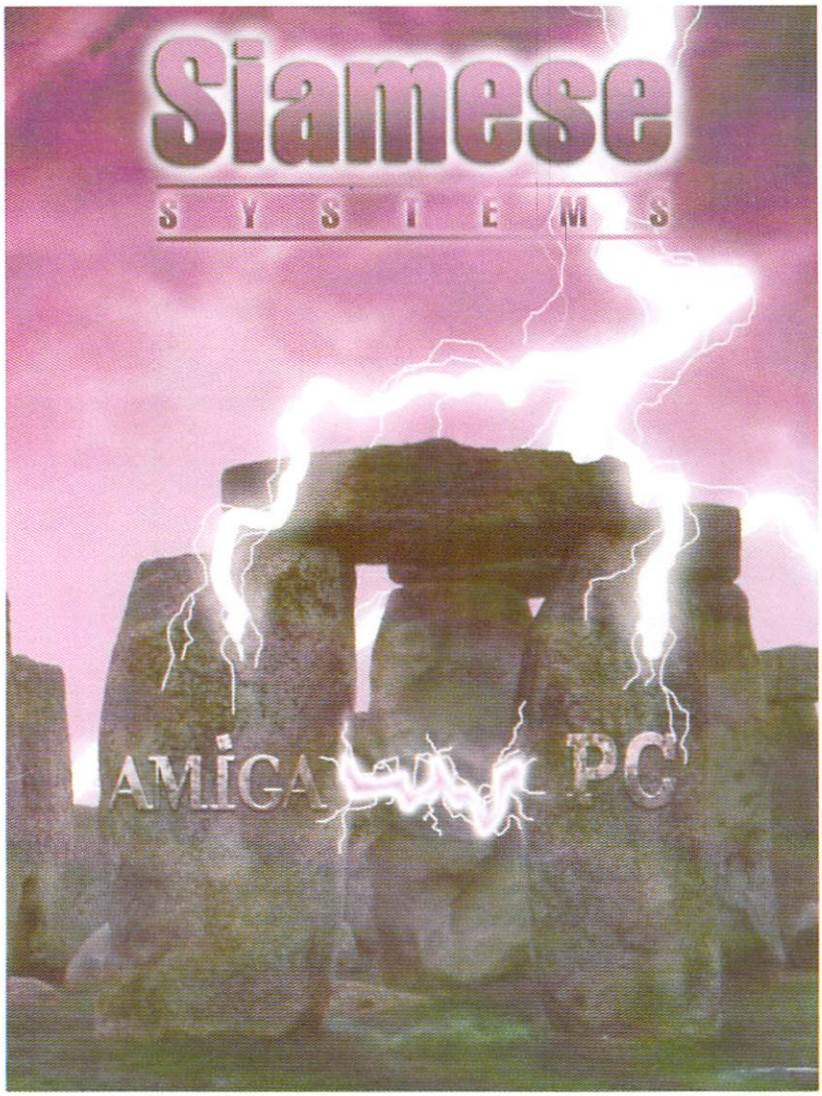
WIRING IT UP

If you missed the original review, setting up the Siamese is a little involved, most of the problems arising on the PC side. I don't want to be too off-putting as all this really involves is adding two cards to the PC (the Siamese and SCSI card).

The main stumbling block is adding the Siamese card itself. This requires the internal serial connector of the PC to be re-routed to the Siamese card. For most generic PC boxes this should not be a problem as the secondary serial (or comm) port is on the motherboard. So all you do is connect the internal port to the Siamese board and then replace the original comm two port with the new one that comes from the Siamese board.

The other side to the Siamese system is the SCSI network and this, for me anyway, would be one of the main reasons for buying a Siamese system. By using two SCSI cards, one on the Amiga and the PC, you get a high speed network that allows you to share files between the two computers, via a shared PC formatted SCSI drive.

Thanks to the inclusion of CrossDos 6, setting up the shared drive is very simple, as long as you make sure none of the controller and drive SCSI ID's clash. Once all the cards and leads are in place you just format the drive from your PC and then, using CrossDOS on the Amiga, get it to create the Dos driver for you.



ated ones, but when using Siamese RTG the Amiga's DMA is turned off, greatly increasing the speed of serial transfer. Even un-accelerated machines should be able to use these top speeds. Surf squirrel users, I believe, should be able to use 230400 bps.

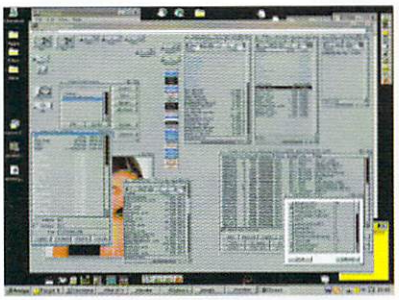
Currently, due to the limitations of the RTG, I would imagine that you will only really be able to use it for file managing or none graphical programs. With the current version, as long as you stick with Workbench (or better, Opus 5.5), most programs that will run off those screens should not cause any trouble.

The software is also regularly updated by HiQ who are working hard adding to the Siamese system, so I'm sure the RTG will only get better. The latest news is that HiQ will supply a floppy with Siamese RTG that allows a bog standard floppy based A1200 to run RTG and boot with the PC leaving around 1.3Mb of ram free on the Amiga side. As for being able to run Workbench on Windows 95, I just think of it as having a little bit of heaven in an otherwise dark and desolate place.

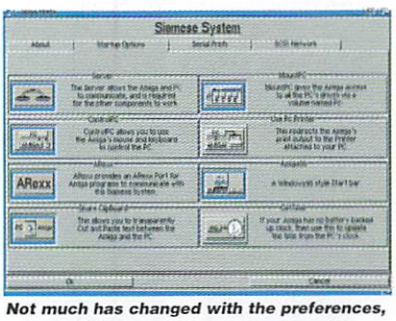
SYSTEM SELECTION

One thing you need to consider when buying a Siamese system is what sort of system you want. It is more than likely that you will be using the SVGA monitor that came with the PC. In this case you will have to remember that any program not allowing you to choose the screen mode, or that will not mode promote, cannot be used on the Siamese system unless you buy yourself a low syncing multisync monitor.

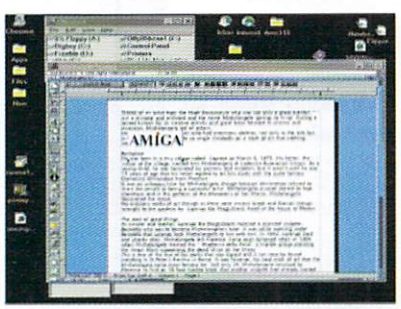
You will also have to consider what sort of system you really need, as the basic Siamese will allow you to share the monitor, keyboard, mouse and PC drives. The drive sharing only takes place over the serial link so is obviously slow. If you are going to be dealing with files of substantial size you will have to add a SCSI network on top, which consists of an Amiga and PC SCSI interface and a single SCSI drive. Even though the PC Adaptec 1505 SCSI card retails for about £40, by the time you add on an Amiga card and the price of the drive you will be looking at about £200 on top of the basic Siamese system.



Opus 5.5 worked without a hitch on my A1200 and, considering how slow it would have run on an AGA 1280 x 512 screen in 256 colours, the Siamese RTG system was lightning fast



Not much has changed with the preferences, you would have thought someone would have drawn some decent icons by now



All of Digita's programs worked well with RTG, but due to the way Wordworth's display works, it was far too slow to use

Bottom line

REQUIREMENTS

RED *essential* **BLACK** *recommended*

SCSI Network

PRODUCT DETAILS

Product	Siamese System
Supplier	HiQ
Price	Basic £149.95 Including RTG £199.95 RTG Upgrade £79.95
Tel	01525 211327

SCORES

Ease of use	85%
Implementation	85%
Value For Money	80%
Overall	85%

X-Port Software

OPENING HOURS
10am - 4:30pm
Monday - Friday
POSTAGE COSTS
£1 per order

Telephone orders
0 1793 432176

Fax orders
0 1793 484097

postal orders
X-PORT
POBox 637,
Swindon, Wilts, UK

Please send me:
Name
Address
Tel:
Payment method:
Post code:
Credit card details:
exp date:
Issue:

All prices include VAT.
Please allow 7 days for delivery.
E&OE. *All pictured titles are supplied on floppy disks.*
All titles are subject to change without notice.
When ordering please state order code, and state title.
Cheques payable to X-PORT.

CREDIT CARD ORDERS WELCOME

Arcade Classics is a superb collection of the most memerable arcade games, including games like *Space Invaders, Pacman, Galaxians and more....*

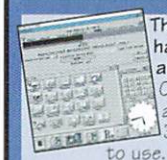
Order: ARC5-2 UK: £5 - AUST: $10

ARCADE CLASSICS K52/3

The Amiga Beginners Guide is a comprehensive 5 disk set of interactive help and information from CLI/Shell commands to techniques in graphics packages.

Order: ABG9-5 UK: £9

BEGINNERS GUIDE ALL AMIGAs



The official A1200 hard drive Prep and installer. Compatible with all IDE 2.5" and 3.5" drives. Easy to use.

Order: AHD7-2 UK: £7

A1200 HD INSTALLER A1200

Five truly addictive tetris clones. Tetris is the World's most addictive arcade game where you have to interlock falling blocks into a neat pile. *Addictive rating: 10/10*

Order: TET9-5 UK: £9

TETRIS COLLECTION ALL AMIGAs

Classic Board games includes: *Monopoly, Scrabble, Cleudo, Mastermind, Othello, Backgammon* and much more... Great fun for all the family.

Order: BDG10-4 UK: £10

CLASSIC BOARD GAMES K52/3

Three great Startrek games including: **Startrek: The arcade game, Stratrek, RPG,** and **Startrek: Adventure.**

Order: STG6-3 UK: £6

STARTREK GAMES ALL AMIGAs

Around **60 colour "clip" fonts** for use in Desktop Video work or DTP, great for Paint packages like DPaint, Personal Paint etc.

Order: CCF5-2 UK: £5

COLOUR CLIP FONTS ALL AMIGAs

Around **60 high quality colour images** covering animals, plants, Transport and lots more. Suitable for any Amiga Graphics or DTP package.

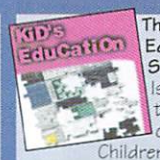
Order: CCP9-5 UK: £9

COLOUR CLIPART Vol One ALL AMIGAs

Details of over 6000 Amiga titles.

Order: CAT1-1 UK: £1

CATALOGUE DISK All Amiga's



The Kid's Education Suite is a simple to use collection of Children's games that cover all areas of Maths, Spelling, Simple counting, Puzzles and much more.... Suitable for Children aged around **4-9 years.**

KIDS EDUCATION SUITE All Amiga's
Order: EDU9-4 UK: $9

Home Finance Suite is the perfect choice controlling your personal bank accounts, Managing Direct-Debits, Petrol, Gas, Electric bills and more.

HOME FINANCE SUITE K52/3
Order: FIN7-3 UK: £7

Professional Mono Clipart is a ten disk set of very high quality mono clipart images suitable for use in any Amiga graphics of Desktop publishing package. Catagories include: Eye catchers, Animals, Fun, Holidays and more.

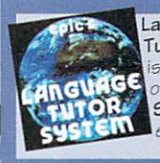
PRO. MONO CLIPART All Amiga's
Order: GFX13-10 UK: £13

3D Garden Designer is a powerfull yet easy to use garden layout designer. So before you go out and ruin your garden, sit down and design it first. Now the weather's nice you'll have to do the garden, this is a great excuse not to do it.

3D GARDEN DESIGNER A1200 or above
Order: GRN3-1 UK: £3

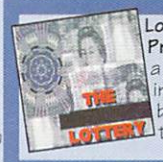
Little Office is a simple to use suite of tools. It includes a powerful **Wordprocessor** and **spellchecker, a Database,** and **EasyCalc Plus Spreadsheet,** and a **Diary** system.

LITTLE OFFICE SUITE K52/3
Order: IFC7-3 UK: £7



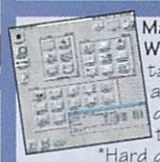
Language Tutor System is a compilation of software that includes tutors to cover **Spanish, French** and **German.** Easy to use, and effective simple way of learning another language.

LANGUAGE TUTORS All Amiga's
Order: LTP8-4 UK: £8



Lottery Predictors is a collection of 3 individual programs to predict the Lottery numbers. It's easy to use and could make you a fortune... Get a copy now.

LOTTERY PREDICTORS All Amiga's
Order: LWP3-1 UK: £3



Magic Workbench takes the appearance of your current workbench into a new dimention. It updates the whole look of you desktop, and makes it much prettier.
*Hard disk very highly recommended.

MAGIC WORKBENCH K52/3
Order: MWB3-1 UK: £3

Stuff Commodore Forgot is an essential edition of tools for Workbench3. It includes Virus Killers, Menu tools, WB desktop games, a file-manager and much more.

Stuff Commodore Forgot K52/3
Order: SCF7-3 UK: £7

The Spectrum Emulator & 50 games pack. Play all your old Spectrum48k classics with this easy to use 3 disk compilation.
*Various games included. eg: Jet Set Willy

SPECCY EM. & GAMES All Amiga's
Order: SPE5-3 UK: £5

Please add £1 per CD for P&P

AMIGA CD-ROMS
ALL NORMALLY IN STOCK & READY FOR DESPATCH

The Epic Collection Vol: 3	CD	£19.99
The Epic Interactive Encyclopedia '97 (4mb)	CD	£29.99
Mick Davis' Cartoon Clipart	CD	£19.99
Emulators Unlimited	CD	£19.99
The Speccy CD 1997	CD	£14.99
C64 Games V2	CD	£29.99
World of Clipart Plus	CD	£17.99
Arcade Classics Plus	CD	£14.99
Magic WorkBench Enhancer	CD	£17.99
The Encyclopedia of the Paranormal (4mb)	CD	£19.99
Special Effects: Movie Maker (4mb)	CD	£19.99
Adult Sensation 2	CD	£7.99
Anime Babes (18)	CD	£19.99
UFO Encounters	CD	£14.99
DeskTop Video CD 2	CD	£14.99
Sixth Sense Investigations	CD	£29.99
AGA Experience 3	CD	£12.99
Adult Men (18)	CD	£19.99
Sound FX Sensation	CD	£14.99

Professional PageStream clipart, covers all sorts of subjects, and gives excellent print quality on almost any printer.

Order: CP58-3 UK: £8

PAGESTREAM CLIPART K52/3

Classic Card Games set includes *Poker, Craps, Soliaire, Pontoon, Blackjack, Montana, Rummy* and many more.

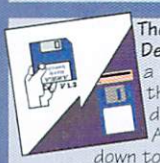
Order: CRD10-4 UK: £10

CLASSIC CARD GAMES K52/3

Crunch Mania is a two disk collection of virtually every archiver, Disk cruncher and u-cruncher you will ever need.

Order: CRM5-2 UK: £5

CRUNCH MANIA Vol One K52/3 rec.



The A1200 Degrader tools is a suite of utilities that allow you to degrade your A1200 / A4000 down to an **A500**

Order: DEG4-2 UK: £4

A1200 DEGRADERS A1200

The Red Sector Demo maker collection v2 is the most advanced demo maker available, It supports IFF graphics, scrolly messages, 3D objects, and music modules. The set also includes an on-disk user guide and tonnes of demo data.

Order: RSM15-5 UK: £15

RED Sector DEMO MAKER All Amiga's

Copy that Floppy, This 2 disk compilation of powerfull disk copiers *should* allow you to backup virtually anything.

Order: CPY4-2 UK: £4

AMIGA DISK COPY All Amiga's

Disk Recovery Suite is a compilation of the ***best salvage tools*** available. So if you have a corrupted disk or file, this should fix it.

Order: DRT5-2 UK: £5

DISK RECOVERY SUITE K52/3

Over 100 printer drivers for **Canon, Epson, HP, IBM, Citizen, Commodore,** and dozens more. If it's not on here you won't find it anywhere.

Order: DRV3-1 UK: £3

PRINTER DRIVERS All Amiga's

Easy Calc Plus is one of the Amiga's most **powerfull** and most trusted Spreadsheet package.

Order: ECP3-1 UK: £3

EASY CALC PLUS K52/3

Joints all round

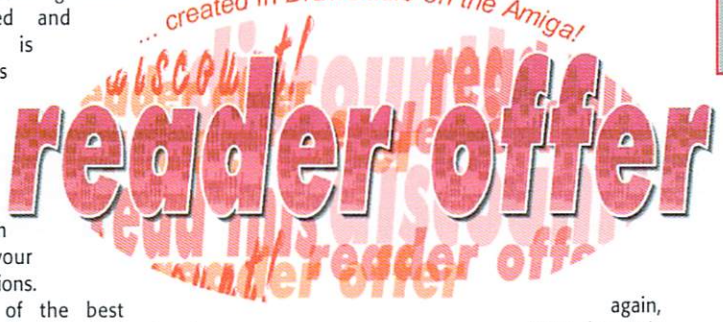
Neil Mohr thinks it's Christmas, no he's not stupid, he has just got the DrawStudio CD

It seemed for a while that the lovely eight speed CD in our A4000 was going to do no more than spend its life spinning the never ending flow of Aminet CDs that make it to our office. Thankfully a glimmer of light has entered its life, in the form of the CD version of DrawStudio.

If you missed our review of the disk version then DrawStudio (written by the authors of ImageStudio - one of the most popular public domain programs written) is an excellent structural drawing tool. All the experience gained from writing ImageStudio and TextureStudio has been poured into the development of DrawStudio, and I'm glad to say they haven't wasted their time - it's a most impressive program.

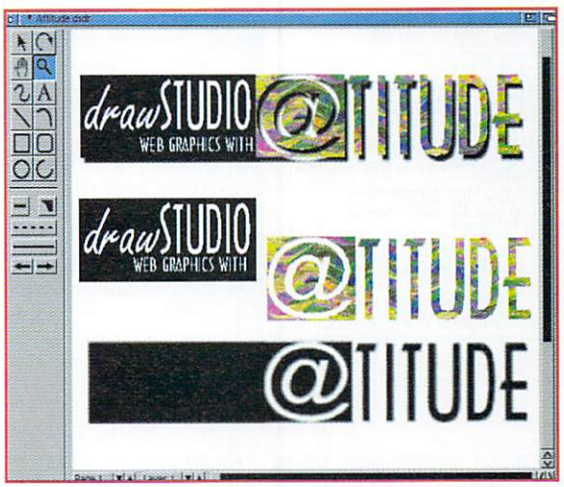
At its heart DrawStudio is a powerful, structured drawing program. Unlike traditional bitmap based drawing programs, once a structured drawing has been finished it can be scaled to any size without loss of detail, whereas a bitmap would become blocky. The program can achieve this because it restricts you to using basic line and curve drawing tools.

Normally this would be quite limiting, but thanks to some snazzy tools you can create some rather impressive results. As you would expect, straight forward colours can be applied to shapes created with DrawStudio. Things start to get a little more interesting when you try out the gradient tool. Using this, any type of colour gradient can be created and beyond this is DrawStudio's bitmap capability that allows you to import most types of image formats and use them within your DrawStudio creations.



This is one of the best designed programs to come out for the Amiga in a long while, and I would think the use of MUI goes a long way to explain some of the unique abilities of DrawStudio. The down side is that you need an 030 processor to make it comfortable to use, but then again, MUI demands more than a basic A1200 machine in the first place.

Apart from the lightning installation the CD version allows, you also get vast quantities of images, fonts and tutorial material on the CD. This gives it a definite advantage over the standard disk version, in fact you'd be very silly not to buy this. AC



WHAT'S ON IT?

600Mb is quite a lot, just look at some of the atrocious shovelware CDs that are unceremoniously booted out onto the Amiga CD market. Personally, I would prefer a partially filled CD containing quality stuff rather than having to plough through piles of dross.

So what do you get for your money? Along with DrawStudio you also get full registered versions of ImageStudio and TextureStudio. The use of TextureStudio may be limited, but the full version of ImageStudio will come in very handy, particularly if you only have access to a basic paint package.

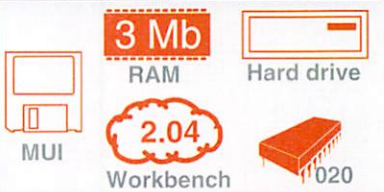
Along with the programs there is over 500Mb of Jpegs, DrawStudio clipart and a load of Postscript fonts. Everything is nicely organised and categorised along with thumbnail previews. The Jpegs mainly come in three different sizes - small, medium and large. So whatever your memory requirements are, there should be a picture to fit.

There are also a number of DrawStudio projects on the CD including all the fonts and images used along with the DrawStudio file. For people just starting, or looking for some tips on creating designs with DrawStudio, these will be invaluable learning tools.

Bottom line

REQUIREMENTS

RED *essential* **BLACK** *recommended*



PRODUCT DETAILS

Product	DrawStudio CD
Supplier	LH Publishing
Price	£74.95
Tel	01908 370 230
E-Mail:	larry@em.powernet.co.uk
WWW:	http://www.ajdean.demon.co.uk/studio/ds.html

SCORES

Ease of use	95%
Implementation	90%
Value For Money	92%
Overall	92%

SOFTWARE 2000

ALL OUR PD DISKS ARE

99P

PLEASE SEND YOUR ORDER TO EITHER OF THESE DISTRIBUTORS
YOUR ORDER WILL BE SAME DAY DESPATCH VIA FIRST CLASS POST

We stock over 6500 QUALITY PD & SHAREWARE

How to order

To order any disk just write the disk title and the disk code, EG U01 Against. Some titles have a number in (). This means the title come on (x) number of disks.
To order PACK just write down the pack TITLE name.
ALL DISKS ARE COMPATIBLE WITH ALL AMIGAS UNLESS STATED
AGA Disk means for A1200/A4000 only

PRICES

SINGLE DISK.....99P PER DISK
LATEST CATALOGUE DISK.....70p
PACK .....(PRICE AS STATED)
PLEASE ADD 70p TO TOTAL FOR UK POSTAGE
ALL ORDERS SAME DAY DESPATCH
Please make cheques payable to: Software 2000
Please send order to address listed top right
We also accept postal orders or orders less than £3 in stamps

PER DISK + CHOOSE 1 FREE DISK WITH ORDER OF 10 OR MORE DISKS
OVERSEAS POST & PACKAGE RATE
(Europe add 25p per disk for P&P)
(Worldwide add 50p per disk P&P)

SOFTWARE 2000
Dept (AC06)
8 FALCON
WILNECOTE
TAMWORTH
B77 5DN
TEL/FAX: 01827 287377

SOFTWARE 2000
Dept (AC06)
9 WILLS STREET
LOZELLS
BIRMINGHAM
B19 1PP
TEL: 0374 678068

TEL OR FAX: 01827 287377

SOFTWARE2000 FREE MOUSE MAT worth £2.99

FREE MOUSE MAT worth £2.99 with every order £12 or over. To claim your free mouse mat just cut & return this token with your order + enclose a extra 38p stamp to cover the mouse mat postage & package, offer only available with this token (limited 1 Mouse Mat per order exclude any other offer)
You may choose 1 FREE disk if Mouse Mat Not Required

MUSIC

M001 BEASTY BOYS - We Want Some Pussy songs
M002 MICHAEL JACKSON - Song BAD
M003 DO THE BARTMAN
M005 100 C64 TUNES (not A1200)
M006 BAT-DANCE REMIXED
M017 GUNS & ROSES - YOU'RE CRAZY
M018 MONEY FOR NOTHING - DIRE STRAITS HIT SONG
M027 BLUES HOUSE (2 disks)
M029 SAFE SEX DEMO - Very funny
M031 BETTY BOO 31 needs 2 drives (brilliant)
M058 SGT PEPPER (2D)
M072 MADONNA - Hanky Panky Song
M084 C64 GAMES MUSIC
M115 MAHONEY & KAKTUS 2 - 40 tunes compilation
M125 ADAMS FAMILY
M150 TIFFANNY - I Think We're Alone Now
M171 MADONNA - (Like a Virgin)
M173 JANET JACKSON - RHYTHM NATION
M177 PET SHOP BOYS
M184 SAM FOX (Please Me)
M186 MADONNA (Rescue Me)
M188 JOE LE TAXI
M189 MICHAEL JACKSON (Smoot Criminal)
M194 JESUS ON E's (2 disks)
M205 RAVE - More Rave
M262 A TO Z OF C64 GAMES MUSIC (4) Brilliant
M314 DICK TRACY (Madonna) (2)
M335 STAR TREK & STAR TREK NEXT GENERATION (2)

PRINTER MANAGER

U427 PRINTER-STUDIO excellent print results
U599 PRINTER TOOL - includes typewriter, spooler etc
U792 PRINT LABELS print disk labels/banners
U793 STAR PRINTER STUDIO - for all star printers
U794 SEIKOS STUDIO - For all Seiko printers more specific printer driver for the above printer
U733 PRINTMASTER PLUS - Prints 9 & 24 pin printer driver & util
U734 CANON PRINTER STUDIO not A500 (1.3)
U735 PRINTER STAR 24/200 FONT DESIGNER - shareware
U782 CITIZEN PRINTER MANAGER for all Citizen printer owners containing many useful printer util & drivers
U884 CANNON PRINTER STUDIO -f or all models for use with Cannon printers
U737 150+ PRINTER DRIVER largest collection

VIDEO TITLERS/TOOLS

U181 VIDEO NOTE database for your video collection.
U431 VIDEO APPLICATION (2 disks) many video titler prog
U250 VIDEO TITLER - loads of video utils. Recommended
U964 TELESUBTITLE - new video titler
U965 VIDEO MAXE V4.33 .The latest in video
U352 TOOLS FOR VIDEO 1 & 2 (best video titler tool) cataloguing system. Dozens of functions
U671 TELE TITLE 2 - Great new VIDEOS titler
U513 -VIDEO TITLER (2 disks) more VIDEO TITLER-BEST
U920 TELESCROLL 2 (not WB 1.3) Easy to use Video titler loads of features
U921 WEDDING VIDEO ANIM (2 disks) Requires D.Paint 3/4. Very high quality
U922 CAPTION MACHINE excellent Video titler
U923 VIDEO MANAGER (Not A500 1.3) Video cataloguing system
U925 Video Tittler - very good video titler

DAMAGE OR LOST YOUR WORKBENCH DISK ?

REPLACEMENT (DUP) ..
WORKBENCH 1.3 & EXTRA DISK (£5.99)
WORKBENCH 2.0 & ALL EXTRA DISK (£7.99)
WORKBENCH 3.0 & ALL EXTRA DISK (11.99)
Repair (regard less of damge) any workbench or system disk only £3 per disk, Note original only
Note: when send in original disk in for repair please send disk via record mail

Top Various Utilities

U024 D-LOCKS proctect your disk & files
U027 ULTRAPAINT & SUPER paint & 3D model programe
U029 CAN DO programming language
U046 DARKSTAR no2 (vol 2-5) load of util
U058 DISK MAG CREATOR created disk magazine
U117 NORTH C compiler (2) brill programing language
U122 SID 1,6 copy/delete/move file made very easy
U131 TETRA COPY play tetriz while copy disk great
U135 MOST USE UTILITIES (2) very useful util coll
U145 XCOPY PROFFESIONAL very powerful disk copier
U146 C-MANUAL 2(4) Teach you how to programe in C
U169 PAINT AND ANIMATE create your own animation
U170 BOOTRHYTHMS V4.01 display your own biorhythms
U184 MASTER SEKA V1.6 completes Assembler language
U186 UNLTIMATED DISK CREATOR all tool on are here
U187 ACCUMTER AID DESIGN - Was commercial product
U188 SHOWIZ slide show maker 24+ wipe effect
U191 SID II copy/delete/move/run file using a mouse
U220 AMOS-PAINT VGgood paint package lots of feature.
U222 GRAPHIC UTILITY(3)lot of graphic converter tool.
U226 50+ MOST USE UTIL load of very useful util.
U229 SLIDE-SHOW CONSTRUCTION KIT easy to make
U240 ARCHIVER TOOLS pack more file on to your disks
U242 IMPLODER 4.0 disk pack more programe on disk
U243 The A-T COPIER (not Wb3) 13 disk copier.wow
U254 FRACTAL (2) load of fractal programe. bril
U282 LAND BUILDER realistic landscape.
U284 COPY & CRACK TOOLS back up your software
U300 MESSY SID II read/write PC/ MAC ect files.
U301 AUTO DISK LOGGER catalogue your disk
U321 GRAPHIC Util 1(3) load of bril graphic util
U324 GRAPHIC util 2(3) even more Graphic tool
U333 SCENERY MAKER more lansacape generator
U334 EMULATOR COLLECTION II (lot of emulator)
U335 FREE COPY back up commercial games
U337 MODEL 3D Brilliant 3d object designer
U338 MUL-VISION (2) disk/files utilities
U340 HACKER-TOOLS many ripper tool
U350 POOL TOOL-predict horse with best chance
U351 RACE HORSE Similar to above. but both
U358 STAR CAT 2-create catalogue disk easy
U359 SEEKER find lost file on flopy & Harddrive
U360 R.P.G (2) adventure creator
U363 DISK REPAIR KIT-salvage & repair damage disk
U372 WORD SORT process ASCII file
U377 NCOMM III more modem software + packer util
U380 CHECKFONTS fantastic font util
U399 FRACSCAPE V1.2 new fractal similar to VISTA
U400 SOUND TRACKER V2.6 music maker
U420 SPEED BENCH (not Wb1.3) create auto boot wb
U421 Tricular copier
U436 The RIPPER COLLECTION(not WB3) lot ripper
U442 SYSINFO test & print info on your AMIGA sys
U444 FONT FARM font creator/editor/design new font
U457 WHOM 2 (3DISK) Detail/database on 51 films
U470 FINAL FONTIER 1 (2 disk) Star-trek magazine
U473 FINAL FONTIER 2 (4cdisk) Star-trek magazine
U480 HARD DISK CLICK-HardDrive menu system
U490 B-tec Util- Amazing pack with 207 utilities
U491 PROTRACKER V3-Best music writer programe
U492 WORKSTATION(2)Disk WB1.3 only/WB-replacement
U495 HARD DISK UTIL bril collection of Harddisk util.
U496 EASY PRINT (A500only) lot of print util
U498 WORKMATE 1 brilliant disk util compilation
U501 THE MUSIC CONSTURTION KIT(stat amiga own)
U504 HOT-STUFF-more util disk compilation
U505 VIRUS-KILLER & DISK RESALVAGE/REPAIRE KIT
U507 DCOPY 19 PROFESSIONAL -Excelent Disk copier
U509 ULT BOOTBLOCK 40+bootblock generator/maker
U510 ULTIMATE BOOT-BLOCK Collection II +more
U512 ZIRCON UTIL-30 MOST USE UTIL 2 brilliant
U515 WIT COMPLETE UTIL 20 most use util
U521 SPECTRA PAINT III Very good paint packages
U550 SCENERY CONSTURCTION KIT fractal .recommend
U551 ASSASIN BOOT BLOCK over 50 bootblock protector
U555 CROSSWORD CREATOR (not WB3) crossword maker
U561 PERM CHECK a full POOL PREDICTION program
U568 ICON CONSTUCTION KIT icon making program
U569 ICON ready made (4 disk)
U590 A600 NUMBERIC PAD EMULATOR (A600 only)
U591 DEGRADER (not WB 1.3) A500 emulator
U592 KILL AGA-make older programe run on A1200
U600 C64 EMULATOR II util & document
U601 DISKSALV 1 + ABACKUP (not wb1.3)
U603 THE DISK COMPENDIUM for over 450 games
U620 HOW TO CODE IN C (2disk) + many examples
U622 ACTION REPLAY V1.5(A500/600)-cartridge on disk
U623 ACTION REPLAY V3 (A1200 ONLY) same as above
U645 PC EMULATOR V 2.31(WB3 only) SVGA PC emulator
U650 COPY & CRACK TOOL 2 more powerful copy programe
U680 NEW SUPER VIRUS KILLER(not WB3)kill 316+ virus
U689 FORCASTER V2-horse racing prediction program
U690 ASSASIN COPIER (lots)include Xcopy3/dcopy ect
U694 SUPER DUFER 3. (NOT WB1.3) Vtast disk copier
U696 AMITOOLS PROFESSIONAL disk database tool
U699 MEGACHEAT V3 +(more games cheat even for)
U700 ANIMATION CONSTRUCTION KIT V1.2 + good
U702 V MORPH V2.create smooth morph animation
U703 POOL TOOL(Latest)prediction horse racing.
U705 TRONI-CAD-best create circuit board+examples
U707 GAME TAMER(3&4)-(2)For even more games cheat.
U708 LAST WILL TESTAMENT-write your will
U710 PERFECT-PAINT 32 Very easy to use paint package
U714 ENGINEER KIT various test kit for Amiga
U718 MAGNUM 1.9 REGARD the best disk magazines creator
U721 FONT FARM (2) load of font + font viewer
U723 EXOTIC RIPPER rate as the best sound/graphic riper
U724 PARNET SET UP(2) require for the connection
U725 PARNET DISK MAKER INSTRUCTION project save £££
U726 AREX MANUAL(notWb1.3) complete manual.
U729 ASSASIN BOOT UTIL 50 boot block creater util
U730 SOFT 16(A500plus or A600) & min 1.5 meg
U731 A - Z GAMES CHEAT for over 500 games
U732 MINI MORPHS create TERMINATOR 2 effect
U736 AWARD MAKER II+hundred of ready made
U737 ASSASIN VIRUS KILLER + COPY TOOL (WB 1.3 only)
U738 S.KICK PROFESSIONAL v3.2 Various K-start
U739 TURBO IMPLODER V3.1 powerful disk cruncher
U740 CROSS DOS transfer read/write PC-AMIGA disk
U741 HD-DISK TOOL BOX +many more Disk util recommend
U742 HOW TO CREATE AUTOBOOT DISK.complete + util
U743 Util .Disk .Maker v3. MAKE AUTO BOOT DISK
U744 FRACTAL (2) brilliant fractal colour creation
U745 AF WORK BENCH (3)/WB 1.3 ONLY) replacement
U746 3D GARDEN DESIGNER & view from any angle bril
U747 ASTROLOGER 2 superstar planet prediction.
U749 DISK REPAIR 3(floppy & HD)include soft-protect
U750 MUSIC CATALOGUE(not A500(1.3) very easy to use
U751 SYTEM CHECKER TOOL must for any Amiga owner
U753 HARD DRIVE UTILITIES (2) hard DRIVE UTIL
U754 PARBENCH installer (complete)
U755 PRO CAD electronic,latest circuit board designer
U758 WB MENU LAUNCHER-menu system, easy to use
U760 ICON PLUS (3DISK) Hundreds of stunning ICONS
U761 RELOCKIT 1.4 latest WB1.3 emulator
U762 FAKE FAST MEMORY make more older software run
U777 TELE TEXT RECEIVER (2) very powerful programe
U781 DOSTRACE V2. display infomation why some programe refuse to run. also moniter Amiga activity. RECOMMEND
U783 TOOL WINNER GOLD must for all gamber
U789 HARD-DISK MEMORY V2 use HD as memory (re MMU)
U790 WINDOW BENCH V2 (WB 2/3) ;disk new workbench replacement,includes lot of useful utilities
U791 COMPUTER DIAGNOSTIC TEST V3 amiga Fault finding
U800 PRINT A CARD include many ready made
U801 MULTI-PRINT V4 lot of printing util
U805 DISK PRINT new custom disk labies
U807 FONT & PRINT Load of utilities to wiew & print your font collection. RECOMMED
U830 POOL WIZARD-(Football) prediction
U832 DIVENDEND WINNER - Prediction rograme for use with LITTLE WOOD, VERMON, ZETTER Ect
U834 FORCASTER 2.02 New Horse prediction Prog
U839 AUDIO MAGIC 4-Proctracker 3.5 Exotic ripper
U843 AUDIO MAGIC 8- Octamed player ect
U846 C64 emulator V3 (2DISK) C64 emulatorlatest
U848 SPECTRUM EMULATOR V2- Spectrum emulator latest
U850 EAGLE PLAYER (2disk) the best music player.
U851 DELI-TRACKER (2disk) play all music format.
U881 SONIC DRUM KIT V2 Make drum sample
U882 DISK COPY Pack- collection of 10 disk copier
U883 OPTI-Utils 1-over 30 disk copier/Optimise ect
U885 INTUITION BENCH MARK V6.5 (Not Wb1.3) sysinfo
U886 COMPLETE WB UTIL (2DISK) very useful Util col
U887 DISK REPAIR KIT 4-include disk repair, undelete,softprotect, diskmate, sysinfo,ect
U950 STEREOSCOPIC V2.s (not A500 1.3)
This is the RAMDOM DOT STEREOGRAM generater.
U951 FORTH PROGRAMMING (NOT WB 1.3)
U957 SCALA BACKGROUND (2disk) High quality image
U969 PROGRAMZ Gadget-Menu-Handler-Menu
U961 MAGAZINE E 3(2disk) science fiction magazine
U963 AMOS & AMOS PRO COMMAND EXTENSION
U967 PRO GAMBLER-Super Horse prediction programme.
U978 DELUXE PAINT 4 BUDDY SYSTEM-(2) Get the most out deluxe Paint Instan on line for evry fuction
U981 VIRUS CHECKER V6.54 =+AUTO UPDATE MONTHLY=
U982 DISK MAGIC V4 add Extra Command/BUTTON
U983 MAGIC WB & MAGIC MENU ..Both Latest version
U986 VIRUS-WORKSHOP V5.1-the best Virus killer
U987 GRAPHIC-CONVERTER (2D) Convert picture ect
U988 TURBOCAT Auto catalogue your disk library
U989 AUTOBOOT DISK MAKER V4 -very useful
U993 IMAGINE STUDIO V2.(2D) The best PD image pictures) great for those late rival ever the commercial costing hundres of pound. (not k1.3)
U965 POWER-CACHES Speed up disk loading,Accesses
U970 HARDDISK SECURITY II Large collection of HD scerity programe eg Lockout2,Password & many more
U971 HARD-DISK & FLOPPY DISK DOUBLER (Epu)notWB1.3
U973 GAMES MASTER (2D) Info on many TV series
U974 HD GAMES INSTALLER 2 install tops games to HD
EG.ZOOL2, Rise Of the robot,Mortal Combat2 & more
U975 DMS V2.04 Pro. Crunch entire disk. (not1.3)
U976 MAGIC SELECTOR V1-Change Magic WB back drop
U977 MAGICWB ICON ARCHIVE (3) 1000's of MGwb icons
U998 X-PASSWORD-protect your hard/floppy drive
U979 DELUXE PAINT (3) 1000 s of normal Icon(any Amiga)
U994 TEXTURE STUDIO. Render Various Texture for use with imagine 3 ect req FPU.(not 1.3)
U995 PRO-GAMBLES V2 must for all gamblers.
U996 BOOKIE BEATER- gambling programe to win bookie
U997 HD GAME INSTALLER 3. install more game to HD
U998 EXOCTIC RIPPER V3.b Latest ripper
U999 HD MEMORY(new collection) require MMU
U1000 MAGIC OPUS VOL 2 & 3 (2D) more Dopus buttom
U1001 CAR DATA ANALYST-check your car performance
U1002 TURBO CAT-(WB 2&3 only) catalogue creator
U1003 LOTTERY WINNER (2) new version
U1005 BASIC-ELECTRONIC-Teach all about eletronic
U1006 LOTTO LUNACY V2 Update latest lottery predictor
U1007 ALL IN ONE HARD-DISK & FLOPPY DISK TOOL 2 (2)
U1008 HARD-WARE PROJECT 2 (2) Build dozen of project even how to fit Amigas in a tower case
U1009 DATA ANALYST 3-explain why your computer crash
U1010 WB2.04 INSTALLER-install A500+/A600 to HD

ARCADE GAMES PACK II

A collection of some of the finest arcade games like cybernetic, galaxian, Dragon's Lair, Space Invader ect. Highly prize collection. Run on All Amiga very popular !!!
5 disk set only £4.99

BOARD GAMES PACK II

A super collection of the very best boards games ever released include monopoly,scrabble,chess, checher ect & many more . HIGHLY RECOMMEND COMPATIBLE WITH ALL AMIGA
5 disk set only £4.99

PUZZLE GAMES PACK II

This 5 disk pack contain 19 puzzles type games all select for it quality & original, highly addictive & ORIGINAL
COMPATIBLES WITH ALL AMIGA
5 disk set only £4.99

Printer Pack

5 disk pack with all the latest printing programs specially designed for printing out high quality documents, text & pictures etc and it is even able to print out A5 Booklets (very handy). Easy to use. A must for any Amiga owner with printer.

Printer Pack (5 disks) only £4.99

GAMES

G222 MEGA 21 GAMES amazing 21 games
G235 DRAGON-CAVE great 3D puzzle games
G240 QUADRIX very addict excellent
G242 TAKE EM OUT like to Operation wolf
G253 DESTINE MOON BASE Arcade conversion
G272 TANK BATTLE 2 player tank battle game
G278 ARCADIA the best ARKNOID clone
G300 Q-BOID cross TETRIX and INVADERS.
G303 DIMENSION X 2 player LIGHT CYCLE GAME
G310 NEBULAR Excellent 3D shoot em up
G316 GALACTIC Excellent 8 levels arcade
G317 HYPERBALL Speed ball -level editor
G320 GHOST-SHIP Very good 3D adventure
G325 BATTLEMENT hunch back of notcha
G326 MEGA GAME COLLECTIONS III 3 top games
G329 HANNONA NUDE PUZZLES for 18+ only
G331 GRAVITY massive space exploring game
G333 CYBER-NETIC Brillant 8 way blaster
G334 DONKEY-KONG -(A1200 order code AGA296)
G335 CRAZY SUE II- best platform to date
G342 SUPER SKODA CHALLENGE (& track editors)
G344 STAR-TREK similar to RAID2 but harder
G355 DOODY very cute & extremely addict
G356 WONDER LAND amazing graphic recommed
G362 DELUXE PACMAN + best pacman ever release
G367 CARD GAMES collection
G368 WIZARD-DOMAINS-dugeon type games
G370 KALATRIZ (notA1200) arcade tetriz clone
G373 AIR ACE II Very playable shoot em up
G384 OTHELLO best PD version
G386 MOUSE IMPOSSIBLE very addictive puzzle
G390 TETREN most polish Tetriz ever release
G392 STERKBALL brilliant base ball clone
G399 TRAILBLAZER brillant (not A1200)
G400 FIGHTING WARRIOR like street fighter
G404 DODES only one of it kind cool
G406 TOTAL WARS -strategy like chess in space
G411 BATTLE CAR 2- 3D car racing
G431 NESTER CARD GAME- hours of fun for a quit.
G435 ROULETE american roulete excellent
G438 TRAILBLAZER 2 C64 conversion
G441 E-TYPE 2- very good asteroid great graphic
G443 DECATHLAD DISK (2D) Olympic sport events
G445 DESCENDER GAME tank, search & desender
G446 OBLIDOX excellent Arcade/Puzzle game
G448 PARACHUTE JOUST quite playable
G455 CASTLE OF DOOM VG graphic adventure.
G460 WIBBLE WORLD GIDDY Large platform game
G467 ONE FRUIT good fruit machines
G478 AMOS CRICKET cricket games
G488 EXTREAM VILONCE 2 player battle out
G489 ENGIMA MACHINE very challenging puzzle
G490 MEGA BALL 2 very playable break out clone
G491 BOUNCE & BLAST brillant platform 10/10
G492 ZOMBIES & DEFENDER 2 fantastic games
G494 MERCANERY SIMULATION 3D wars games
G499 LIFE -simulation very interesting
G500 TRANSPLANT dozen of level fast arcade.
G501 KLAWZ THE ULTIMATE-great platform games
G511 HIGHWAY HELL like SPY HUNTER on the C64
G531 OPERATION FIRESTORMS-brillent
G534 CASTLE KUMQUAT similar to Alien breed
G535 BLACK DAWN brillant graphic adventure
G538 MORIA 5.4 The latest Dungeon & dragon
G539 BRIDGE Good version of bridges
G540 ORK ATTACK bloody adventure

G541 REBOUNCE 2 player futuristic breakout
G542 TANK BATTLE brillant car racing
G544 SUPERTOM CAT New vertical shoot em up.
G545 KUNGFU CHARLIES mix with platform brill.
G546 RAID 4 latest vertical scroll shoot em up
G546 GRAND PRIX very good quiz programe
G552 ELEVATION games base on lift ??
G560 IMPERIAL WALKER -Base on STAR WAR games
G567 STARBASE 13 (2D) Bril like MONKEY ISLAND
G657 AMOS LOADSA MONEY best FRUIT-MACHINES
G659 MR MEN OLYMPIC (2D) many event to complete
G660 4 LC 3 BREAK a small hand held games
G664 NEIGHBOUR GAMES (2D) base on the TV series
G665 TIME RUNNER (WB2/3) Brillant graphic
G667 GOLF (2DISK) One of the first & decent GOLF
G668 AMOS CRICKET 2 New Amos cricket simulator
G669 MUGSY REVENGE gangster graphic adventure
G672 JIGSAW (2DISK) very playable jigsaw games
G673 BOBBY GARDEN - DIGGER (NEW) Brillant
G674 HIGH OCTANE Fast car racing (notwb1.3)
G675 TIME RUNNER amazing graphic adventure
G680 SPACE-INVASION 2 - Fantastic Galaxsin
G681 AUTOMOBILES - PD version of SKID MARK bril
G682 BANDIT MANIA - Brillant fruit machine demo
G685 PROJECT BUZZ BAR -Brillant asteroid
G689 GUN FIGHT (not A500(1.3)
G690 THE REAL POPEYE 64 (a500 1.3 only)
G692 SYSTEM DEFEND-Brillant Defender clone
G698 ARKANOID 2 game boy emulator + tetriz
G732 DETHELL IN SPACE. Recommed.
G735 OVERLANDER Brillant arcade MOON ALERT
G737 SERIOUS BACKGAMMON The best in PD BG
G777 STAR WORLD (2) Brillant Thrust
G772 UN-SENSIBLE SOCCER very similar to Sensible scoccer games. RECOMMEND

101 GAMES PACK II

A stretch 40 new 101 games pack, include some of the French Amiga PD games (ED Tetris, Wonderland, Lord, Dragon Tiles). ECTS much to many to list, all games are on menu driven system, most games con with foll-playing instruction.
All games are select from an easy to use menu this pack is compatible with all AMIGA model
only £10.99

G773 FRUIT MANIA -Brillant Fruitmachine.
G774 TRICKLE TREAT -like DOOM on the PC
G775 FOOT-BALL MANAGER-new version
G782 SOLO ASSAULT 3D like Wing Commander
G783 SEED OF DARKNESS-Brillant graphic adven
G784 NANO FLY Superb explore game RECOMMEND
G785 THE GREAT GOLD RAID- very addicted
G787 ANT WAR V1.9 (LATEST) not 1.3
G788 ZENO-MORPH -Great grafic
G789 TASK FORCE- very good MIND SHADOW clone
G790 GREEN FIVE Amazing 3D graphic like
G791 PROFFESIONAL BINGO CALLER
G792 MARTIAL SPRIT like Street fighter II
G796 EXCELLENT CARD GAMES collection
G809 BLITZ 2 fast action shooting games
G810 EXIT 13 Brillant puzzle
G811 TEMPORAL MISPLACEMENT-graphic adventure
G812 ADAY AT THE RACE-V.Goodhorse racing games
G820 BOULDER ORIGINAL with 80 level
G821 BOULDERDASH cave/level Construction kit
G822 BOULDER COLLECTION 2/3 160 level (2disk)
G839 BOULDER PACK with 640 level on 8 disk
G860 ALIEN NET WORK-new Spacing invader
G862 BATTLE FORCE excellent text adventure.
G863 GNU CHESS the best chess with 10 level
G868 SWORD OF YIGG Graphic adventure
G867 POWER-TRI 2 for 1 or 2 player
G868 SUPER SMASHING TETRIZ
G870 CHESS II & CHECKER One of the best around must for all CHESS or CHECKER player
G871 GRAVITY FORCE 2 1 or 2 player thrust clone

G872 SCHNEBITZ Commercial quality puzzle games
G875 DEEXE GOLA v2.3(new) add new feature & bouns gamme + 2 player RECOMMEND. get it now
G876 THE KRILLIAN INCENDENT like ELITE2/Epic
G878 QUANTUM-Maze colect & escape type games
G879 BAG TO RICHES - like MONOPLY

101 GAMES PACK I

Brillant collection of over 100 games include some of the very best of the like Invaders, Tetriz, Monopoly ect much to many to list.
Highly Recommended
All games are select from an easy to use menu this pack is compatible with all AMIGA model
Only £9.99

G884 WIPE OUT-mindless blasting gamse
G885 GODZILLA Another shootem up
G886 SUPER MEGA FRUIT- All new Fruit Machine
G888 DRIVING MANIAC 3D (fill vector like Indi500) car racing- very fast. RECOMMEND
G889 PLANET FALL - Lunar Lander clone
G891 BUCK TOOTH ADVENTURE Very good multi level shoot/collect em up RECOMMEND
G892 PENGO - Excellent KONG clone. Recommend
G893 SUPER OBLITERATION Blast asteroid very similar to PANG 2 lot of weapon RECOMMEND
G894 SUPER INVASION II -New SPACING INVADER
G897 THE SHADOW OF NEPTUNE Xenon clone. REC
G898 ALIEN GENOCIDE (2) Shoot aliens set in space.
G899 PUCKMAN. One of the better PacMan arround.
G900 SUPER 3D ZOOL (not WB1.3)
G901 M*A*S*H a (ANTWAR 2) play very similar to LEMMING & WORM, with load of Weapon (Brillant)
G904 ALL ROUND FUN (2) multilevel platform games
G905 CBBERTECH (2) excellent like BOULD BREED Clone
G906 HANGMAN any one for a game?
G907 ACE SPACE nice Platform games
G908 COLOURPAINT 2 Superb Klash/Klone puzzle games
G910 HARRY-HADDOCK- Brillant platformer games
G912 MANGLE FENDER -Brillant, Smash up other ant/tank ect & you generally addicted. get it
G913 ARCADE GAMES CLASSIC Vol 1 & 2 (2d)
G914 HELICOPTER-play like Desert strike
G915 TANK Tank your enemy. Very addicted 2 player games
G916 ISLAND -Play like Monopoly.
G919 COP THE LOT Pro Latest Lottery predictor
G920 LOTTERY PROFFESIONAL This version use
G921 MONOPLY. (board games) The best version
G922 JET WILLY 3 - excellent platform games
G923 FLAMMING ENGINE-Superb car racing
G924 POWER MACHINES. Grahicaly brillant shoot
G925 SUCIDE-MACHINE Operation wolf style
G925 ZAXXON 3D Superb C64 3D blaster games
G927 BOING V3. Great platformer. recommend
G928 PUNTER-Animate horse racing games
G929 ARCADE JIGSAW (2d) include LION KING
G930 WHEEL CHAIR GLADITOR-Very fun to play
G931 NIMBLE-Brillant New arcade puzzle.
G933 BLACK DAWN 3- THE NEW BEGINNING (2) Superb 3D adventure. RECOMMEND
G934 BJ ROCKET (NEW)-very good rockets games
G935 BATTLE SHIP- the finest PD version
G936 LAST LAP - Fast car racing

GAME HINTS & CHEATS II

Play your favourite game for age? but can't get to the end of level or game? Having problem with some games? 5 disk pack with 1000s of games cheat/help/level code action replay poke etc., should help you finish many games – suitable for all Amigas only £4.95.
Update & release on 28 July '95

EDUCATION

E001 KID PAINTS. superb paint special for kids
E002 COLOUR IT brilliant computer colouring book
E003 TREASURE SEARCH find the hidden treasure.
E004 LEARN & PLAY I(not A1200)many maths & games
E005 LEARN & PLAY II more education programs
E006 SPANISH TRANSLATOR Spanish<> English
E008 MR MEN (WB1.3only) brillant story adventure
E009 ASTRONOMY tutorial on solar/star ect system
E010 SIMON & SPACE MATHS maths & simon games

E011 EDUCATION PACK 1

pack with dozens of education programs ranging from maths, science to educational games & programmed suitable for any Amiga. 5 disk pack only £4.95

E019 DINOSAURS teach you all about Dinasaour
E020 WORLD DATABASE require (2+meg)
E021 STORY LAND II interact puzzle games rec
E022 LANGUAGE TUTOR- Teach you 4 language
E023 TALKING COLOURING BOOK talking Dpaint bril
E024 EASY SPELL II improve your kid spelling
E025 SCRABBLE require 2-4player (2disk)
E026 WORDS can help you solve the crossword
E027 OSWALD Very colourful large cartoon game
E030 EVOLUTION breed your own hybrid
E031 IQ TEST + IQ GAMES pack 1 excellent
E033 TYPING TUDOR very good typing tudor
E035 CHESS HELPER help/teach how to play
E036 BASIC TUDOR learn about basic Prog

EDUCATION & 21 GAMES PACK

Collection of the very best of education programs and a 21 games pack, a very popular combination for kids (run on all Amiga) 5 disks pack only £4.95

E038 AMIGA TUTORIAL 7 part tutorial
E039 COMPUTER CARE how to care about AMIGA
E040 GUIDE TO LOWER BACK PAIN tutorial the spine & how to avoid back problems recommend
E041 KID ALPHABET display all alphabet letter
E042 FRACTION & SILOUEST maths & games excellent
E043 MATH MASTER teach/test you maths ect on maths
E044 STEAM ENGINE V2 graphic & tutorial
E045 PETROL ENGINE tutorial & animate graphic
E046 GAS TURBINE ENGINE tutorila & anim graphic
E047 STIRLING ENGINE tutorial & animate graphic
E050 DREAM FOR ANGEL explain the meaning of dream
E051 INVISIBLE WORLD brillant recommend
E052 FINAL TANK tutorial on how to make a FIGHTANK
E054 DEMOLITION MISSION simple game for kid
E055 WORD POWER solve crossword puzzle ect good.
E056 WORM HOLE simple game ideal for children
E057 APPLE CATCHER catch falling apple brilliant
E058 CROSS MAZE & CRYPTOKING 2 excellent kid games
E059 VERB QUIZ find the word & it related. Bril
E061 KING JAMES BIBLE (4) complete bibles excel
E066 TARROT clairvoyant in a instance
E068 GALLOW fancy a games of hang man?
E070 MATH DRILLS teach all basic math skill Vgood
E071 ERROR INFO give info why your amiga crash
E075 WORLD-WAR 2 graphics tutorial on WORLD-WAR release program eg sumarine,bomber/ molecube/ ect
E076 SCIENCE an excellent collection of science ideal for all who interesting or studies in science recommend. this pack come on 4 disks
E080 KIDPRIX great children paint programme.
E081 ASTROMY PACK- This is a mazing collection of programe relate to astromy. can help to locate certain or star position ect. must for anyone who studies astromy or hobby. great (4DISK)
E073 PICTURE & LETTER learn to reads- first step
E074 AMIGA BEGINNER GUIDE tutorial on Amigas
E085 NODDY PLAYTIME demo >Very good
E080 KID PIX more excellent paint programes
E081 D.T.P FOR KID easy to use, excellent
E092 SING A RYHMES sing a song
E094 HIGH WAY CODE TUTOR question on highway code
E096 READ & LEARN (2D) THREE LITTLE PIGGY Story
E097 BACK TO SKOOL vol 1 collection of the best
E098 BACK TO SKOOL vol 2 in education programe
E099 BACK TO SKOOL vol 3 & games. RECOMMED

E100 LITTLE TRAVELER imfomation on world wide
E101 WORLD GEOGRAPHY worth map & text.
E103 DISCOVERY OF THE ATOM. tutorial on the Atom (2D)
E104 DESK TOP GUIDE TO MUSIC(3D) guide & tutorial
E107 TRUMPTY FIRE WORKS ALPHABET Very entertening way to teach your child the ALPHABET
E108 HOW TO DELOVOPE PHOTO 1 (2) Excellent
E109 MR MEN OLYMPIC (2D) many event to complete
E110 CLIP TV DATABASE (2D) Info on many TV series
E112 HOW TO DEVELOPE PHOTO 2 (2) delevope your own.
E115 ELETRONIC WORLDS(3D) Complete KLAMES BIBLES
E116 HOW THE EARTH MOVE theory how the BIG BANG explode and create all the star & galaxy
E118 WORKBENCH 2 tutorial on Work Bench 2
E119 DINO WORLD Quiz on dinosaurs
E120 JUNIOR MATHS-Great fun aid for teach kid on the math subjects. RECOMMEND
E121 PICTURE PUZZLE brillant JIGSAW type games
E122 WORD FACTORY brillant, teach kid words

KID DISKS 1,2,3,4,5

Excellent collection of education programs ideal for teaching young children & keeping while retaining the fun & game element. 5 disks only £4.99 or order seperately for only 99p per disk. Order Code KID DISK & No. 1-5

E125 JURASSIC PARK lots of info on dinosaurs
E126 CHILDREN SONG 2 contain 5 excellent song
E127 MINI SHU GRAPHICS Brilliant Astrology.
E128 ASTRO 22 PRO.V3-The latest astrology program that accurately calculates the position of the planet, eclipse, asteroids etc. subjects while
E130 FRENCH VERD TESTER should help you with french.
E131 CULT TV DATA BASE II (2 DISK) info on early TV
E132 WORLD HISTORY BOOK
E133 LITTLE TRAVELER II (2) Infomation on world wide
E134 X-FILES-Guide to the TV series very interesting
E148 CHESS & TUTOR - FULLteach you how to play chess
E150 NITRO FUEL guide to nitrous oxide for highway
E161 CLI & SHELL TUTOR (help) Ideal for beginner
E162 DELUXE PAINT GRAPHIC TUTOR V 3 & 4 RECOMMEND
E163 JAPANESE TUTOR-Teach you the japanese language
E164 PAINT IT (not A500(1.3) take it COLOURING BOOK
E165 KEY BOARD TRAINER An excellent tuping tutor.
E166 WORD POWER- spellcheck/crossword solver/teach
E168 CROSSWORD CREATOR-design crossword
E169 CHESS II & TUTOR brillant Chess II games
E170 HISTORY OF AVIATION Vol 1 Excellent disk
E171 CHILD FAVORITE-Educational prog
E172 ANIMAL LAND-Learn about animal
E175 FRANTIC GUIDE TO COMPUTER(2D) brillant & funny
E177 CYBER PUNK SCRIPT-cyberpunk freak guide
E178 STAR-TREK & STARTREK NEXT GERENATION GUIDE THE COMPLETE GUIDE COME WITH HUNDRED OF SCREEN SHOTS TAKEN FROM THE STAR-TREK SERIES. SUPERB.
E181 SIGNITURE CREATOR customise your own signiture.
E182 VIRUS WORKSHOP V4 comprehensive guide
E184 IMAGINES VIDEO 2disk
E185 WORKBENCH 2/3 GUIDE On line help/Complete
E210 LEARN & PLAY 3 Latest Education & Games
E240 BARNEY THE BEAR GOES CAMPING (2d) Brillant teach you the ethical about animal
E241 COMMS GUIDE V1.1 beginner modem user
E242 GUIDE TO WEATHER (3d) superb complete guide to the weather. recommend
E245 MATH ATTACK- Maths relate games for kids
E242 ANIMAL-LAND-Ideal for young kid. Excel
E243 PICTURE-MATHS-Maths program for kids
E246 BEGINER GUIDE TO WB 3 (A1200 only)
E247 GLOBE FACT(2) fact about planet earth
E248 K

PUZZLE GAMES PACK III

This puzzle pack 3 contained 19 more all new puzzle game like :dfhello, nought & crosses quadrix ect to many to list, run on all AMIGA

5 disk set only £4.99

MINI WB GAMES PACK III

This is a very unusual but extreamely fun to play Mini wb games just like normal games except it just tiny screen size example play pacman on 6x4 in & you can play few games at the same time. Amazing run on all Amigas except (WB 1.3)

5 disk set only £4.99

ARCADE GAMES III

Brand new arcade games pack 3, This pack in clude a new collection of the best arcade games, just like pack 2 HIGHLY RECOMEND

5 disk set only £4.99

All spectrum pack are compatible with all AMIGA

MEGA 1000 Spectrum Games pack

Only £29.99 +£2.50 (p&p)

(All on Floppy disk)

ZX SPECTRUM 48k

Want to play 1000s of Spectrum games on your Amiga? All pack below are complete with SPECTRUM emulator & printed instruction , ready to run on your Amiga, nother other hardware require

50 SPECTRUM GAMES PACK.....£ 4.99
100 SPECTRUM GAMES PACK.....£ 7.99
200 SPECTRUM GAMES PACK.....£10.99
400 SPECTRUM GAMES PACK.....£19.99

COMMODORE C64 GAMES PACK

45 C64 GAMES..£3.99
100 C64 GAMES..£6.99
200 C64 GAMES..£13.99

EMULATOR AVAILABLE
Forsure with these games pack
A64 V3 £1.99
FRODO 64 ..£1.99
MAGIC 64 ..£1.99

400 MEGA C64 GAMES PACK...£19.99

This pack contain over 400 COMMODORE C64 games, smaller pack available. Please note emulator not includes due to there are 3 excellent emulator available which you can choose which version most suit your machine spec. Note: the speed of the game is at depend on your AMIGA PROCESSOR HIGHLY RECOMMEND !!

NEW BOARDS GAMES 3

The very latest Boards games pack 3, This pack contain 23 all new boards games, Must for all board games fan RUN ON ALL AMIGA

5 disk set only £4.99

CARDS GAMES PACK II

This collection is very similar style to the above the disk are pack with some of the most playable & best card games for the Amiga include are all the popular card games, MUST FOR ALL CARDS GAMES FANS, run on all Amigas

5 disk set only £4.99

NEW CARDS GAMES PACK III

Brand new cards game pack III, This pack contain 21 all new cards games, include blackjack, poker, Klondike ect amazing value recommend

5 disk set only £4.99

AGA A1200 & A4000 ONLY

THIS LISTING ARE FOR USE WITH AGA AMIGA

AGA001 EXTENSION DEMO Stunning demo, fast landscape anim and a rotating city, regard the best AGA demo
AGA002 FRACTAL GENERATOR fractal in 256 colour.
AGA003 WORKBENCH HACK many hack/toy/blanker etc
AGA006 NEW SUPER KILLER know kmow & kill over 316 type of virus must for all A1200 owner
AGA007 MINDWARP very first demo for the A1200
AGA008 KLONDIKE DELUXE AGA (3D) the best A1200 card games with glamours lady as cards face 18 + only
AGA011 SLEEPLESS NIGHT 3
AGA012 PLANET GROOVE Truly A1200 Demos
AGA013 MOTOR INVADER 2 (2D) Brillant INVADER gane
AGA015 POINT OF SCALE Great A1200 only demos
AGA016 CHROMAS- Fairly good demo.
AGA017 WORLD OF MANGA (4DISK) magnificent Japanese comic slide show include Japanes Chick etc recommend
AGA021 MAGIC WORKBENCH Improve the look of your WB & add some function to your WB really BRILLANT
AGA022 WB 3 UTILITIES load of Wb 3 only utilities
AGA023 U-CHESS the best chess program games so far but require 4 megbytes. Brilliant graphic
AGA024 WORKBENCH 3 SCREEN Great back drop
AGA41 ADULT SLIDE Vol 1-9 (2 disk each) *see below
AGA62 BODY SHOP VOL 1-7 (2 disk each) *see below
AGA80 FITCHICK vol 1-3(2disk each) *see below
to order any disk above just state disk code & volume no? (remember 2 disk per volume)

AGA097 A1200 UTIL - AGA TESTER, SYSINFO etc
AGA098 ACTION REPLAY V4 Complete ACTION REPLAY.
AGA099 MADFIGHTER 2 brillant street fighter clone
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
AGA105 QUICK GRAB AGA -grab AGA screen PICTURE
AGA110 WORLD BEYONDS 1 (3) stunning 256 COLOUR fantasy art. leave atari userbreathless
AGA114 SMELL LIKE CHANEL NO5 brilliant demo
ray trace picture ever release on the A1200
AGA121 MAGIC FACTORY 1 STAR TREK (5 disk)
AGA133 AGA UTIL v1&2 (2) AGA util compilation
AGA135 AGA UTIL V3 &4 (2) more of above
AGA137 MULTIBOOT- 4 various version A500 EMU
AGA138 OFFICIAL WORKBENCH 3 HARDDRIVE INSTALLER
AGA139 WB3 HARDDISK PREF & INSTALLER installing
AGA140 CROSS DOS PLUS v5.1 read/write PC files
AGA142 SUPER LEAGUE 3 -latest manager games
AGA144 SPEAK & SPELL - educational software for kid
AGA145 BIG TOPS (8 x only)HMMMm
AGA146 KELOG LAND -brillant platform games
AGA150 ACTION REPLAY V5 - NEW UP DATE TO V4
AGA160 GIGER TRIZ very playable 256 colour tetriz
AGA162 FATAL-BLOW new STREET-FIGHTER 2 clone
AGA164 CINDY CRAWFORD Vol1 (2 disk) latest release
AGA166 INFESTATION (3 disk) The ultimated AGA demo
AGA170 CINDY CRAWFORD Vol II (2disk) amazing
AGA172 VIDEO TRACKER AGA-ultimate demo maker
AGA174 MAGIC WB EXTRA vol 1 & 2 (2disk)
AGA180 GIF BEAUTIES Vol (11-18) 8 more girls disk
AGA189 FRIDAY AT 8 another brillant AGA demos
AGA190 ASSASIN MULTIVISION AGA pic viewing util
AGA192 ALIEN FRENZE 2 player blasting +power up
AGA194 BIG TIME SENSUAL (2disk) SPACE BALL 2
AGA200 MASQUERADE 2disk brillant puzzle games.
AGA202 RAM JAM 94 it cat be done (2disk)
AGA204 EXPLOR 2 DEMO met effete welldone.
AGA204 COMPLEX ORIGIN 2disk require 2 diskdrive
AGA206 TREASURE OF TUTANKHAMUN- eductaion tool
AGA230 LOVE 2 disk-simply brillant DEMOS
AGA231 AGA UTIL 7 & 8 (2 disk) ,More USEFUL util

AGA234 KNOTTY-Stunning AGA sliding pictre puzzles
AGA240 LOTTERY WINNER hope fully will improve your chance of winning a jack pot. GOOD-LUCK
AGA241-258 AGA GAME-GALORE AGA 01-18 lot of games
AGA251 PACKMAN AGA -the best pacman yet
AGA252 ROCKET PD - Super thrust clone brillant graphic for 1 or 2 player
AGA253 REAL DEMO stunning special effetc
AGA254 DIRT AGA Brillant 256 colour effetc
AGA255 DELIGHT EXPLORE -excllent demo
AGA256 KEFEREN AGA Demo lot of effets
AGA257 MINOMIST RAVE great rave music.
AGA258 OXYGENE Fantastic demo
AGA259 INTEL-OUT another very good demo
AGA260 SOMEJUSTIC94 Demo of the month brillant whirl effetc. RECOMMEND
AGA262 TO THE DEATH very good STREET-FIGHTER clone with very good graphic.
AGA263 GEORGE GALAXO (2disk) brillant multilevel shoot/platform game. RECOMMEDN
AGA265 MISSILE OVER ZENON (2disk) Brillant 3D missile commander with fantastic graphic
AGA266 TEAM-HOI DINO PLATFORM excellent dino platform Note:this disk was a commercial games
AGA274 MUSIC 2 SURVIVE 2disk 8 excellent music master piece. well worth getting
AGA271 RAVE MAXIMUM OVERDRIVE II (2disk)
AGA278 CHANNEL Z ISSUE 1 (AGA) (2disk) AGA base disk magazines. RECOMMEND
AGA disk magazine topic.demo/music
AGA285 WORKBENCH BACKDROP VOL 3
AGA295 DE-LUXE MONOPOLY- Board game.V addicted
AGA296 DONKEY KONG Arcade classic conversion
AGA297 BOMB PAC Extreamly good to play
AGA298 ROCKET 2 set-underground brillant graphic. even better with 2 player
AGA299 SCRABBLE-Now fully run on all Amiga
AGA300 MAGIC WB V2. Demo of version 2
AGA302 TUTANKHAM II(2) Education-Egyptian MUMMY
AGA303 PAMLA.ANDERSON.(2) 18+ only BayWatch Babe
AGA304 BODYSHOP V8 (3) more bikini beauties
AGA305 TIMEZONE (2) V.Good graphic adventures.
AGA307 DENEWOLF doomz demo
AGA308 NAXIS -Really show what AGA graphic co do
AGA310 FEARS (2d)- dooms clone demo
AGA312 JINX (2d) Fantastic arcade puzzle
AGA313 RAM JAM THE TASTE DEMO.very wicket demo.
AGA315 ILEX MYSTIC. New AGA demos
AGA320 KLONDIKE 3 (4disk) Hd require & 2meg +we aslo have a list of 25 cards for above.
AGA321 HOT-BABE 1 (2) MUST BE OVER
AGA322 HOT-BABE 2 (2) 18
AGA323 HOT-BABE 3 (2) BEFORE
AGA324 HOT-BABE 4 (2) ORDER ANY
AGA325 HOT-BABE 5 (2) OF THE HOT-BABE PACK
Hundred of quality Magic wb icon & back drop
AGA388 DESK-TOP MAGIC- 32 animated screen blanker
AGA389 WAR OF THE WORLDS -full 3D games
AGA390 FEAR 2- Brillant 3D graphic games like
AGA391 PSSST Amiga version of Spectrum games
AGA390 FEAR II -Brillant 3D game play just like DOOM on the PC Garrenteed you impress.
AGA393 PC EMULATOR V3- Latest PC emulator
AGA400 HYPER RACE (2) Super racing games
AGA410 CINDY CLAWFORD (3) new
AGA411 ELLE MACPHERSON (3)
AGA412 CLAUDIA SCHIFFER (3)
AGA413 BIG GIRLS II (3)
AGA414 GIRLS GIRLS (2)
AGA415 NIKY TAYLOR (2)
AGA417 KYLIE MINOUGE (3)
AGA418 FEMALE BODY BUILDER (3)
AGA419 EXCELLENT CARD GAMES 3 latest
AGA420 POKER & BLACK JACK DELUXE (3)4MEG
AGA421 COLOUR WB make your WB more colourful
AGA422 RIDGE RACER Demo on the Amiga,
AGA423 DRUG STORE DEMOS (2disk)
AGA424 DREAM WALKER (2) Demos
AGA425 MYSTIC DEMOS(2) 95 excellent demos
AGA426 ORIGIN 2 (2 DISK), Amazing

SEE PAGE 1 FOR MORE SOFTWARE FOR YOUR AMIGA

DEGRADER

AGA090 A1200 FIX DISK COLLETCION 1
AGA091 A1200 FIX DISK 2 COLLETCION 2
AGA094 RELOCKIT V1.4a latest. run A500 SOFTWARE
AGA306 A1200 FIX DISK VOL 3 (new july 95)
All disk above are design to make any old A500-A600 Amiga programs/games etc to run on your A1200/A4000 MUST FOR ALL AGA AMIGA OWNER. RECOMMEND

SOFTWARE2000 NEW CD Volume 2

Continue where our first CD left off, include all the latest relase title & packs from the SOFTWARE2000 Library.
Order now to take advance of our special pre-release prices of only £ 14.99 +70p (p&p) order must reach us by 10 april 97, (note sale price £19.99)

PRE-RELEASE ORDER ONLY

£14.99

£19.99 Out mid April 97

AVAILABLE NOW!

BACK UP ANY HARDDRIVE TO CD +UP TO 600 FREE PD

DISK ONLY £49.99

Same day service (by pre-arrange appointment only) Phone for detail

LINK AMIGA <>AMIGA

software for both machine +special cable only (£15.00)
feature very very fast transfer, share device between Amigas

LINK AMIGA <>PC

Amiga & PC software & cables supplied, Very Fast transfer up to 57600 bps twice faster than the fasted modem (PC require window 95) only £19.99

Various pack

All pack below come on 5 disk only cost £4.99 per pack

To order any pack below just write the pack name & if more than one pack available please state eg: CGfont pack3 to order CG font pack no 3 ect

Clip-Art

Mono clip art pack 1,2,3,4,or 5
colour clip-art pack 1,2,3,4or 5
(please state pack require 1-5)

Fonts pack

These font pack are suitable for any paint programe eg DPpaint, Propaint ect

WorkBench font pack 1..(5 disk full of fonts)
WorkBench font pack 2..(5 disk full of fonts)
Large Colour & logo type font pack 1 (5 disk)
Large Colour & logo type font pack 2 (5 disk)

CG-FONTS

These high quality fonts pack scalable & are compatable with all version of D.T.P, wordsworth, Page--stream, WB3, ProPage 2, Finalwriter, ect

Computer Graphic FONTS pack 1,2,3,or5 (5 disk per pack please state packs reqire)

3D Object

Imagines object pack 1 or 2 (5disk per pack)
magines true 3d font pack 1 (5 disk)
Caligari object or true 3D fonts (state) (5 disk each)
Light Wave object pack 1 or 2 (5 disk per pack)
Light Wave true 3D fonts (5 disks)
Real 3D or true 3D fonts Object (state) 5 disk per pack)

All pack in these box come on 5 disks & cost £4.99. Per pack. All pack are compatable with all amiga

ALIEN & UFO multimedia

An amazing 8 disk pack with 100's of document & official UFO Alien, abuction, Animal mutilation, top secret goverment coverup many with picture to back up the claims, picture taken direct from this pack. highly recommends, compatible with all Amiga (A1200 & A4000 owner please state for special AGA version)

Alien & UFO (9 disk) only £8.99

UFO THE CLOSE ENCOUNTER

6 disk set only £ 5.95

NEW TITLES

G938 ULTIMATE TOUR TENNIS – (2 disks) Excellent tennis game
G939 DARK ANGEL – (NOT WB1.3) Superb arcade adventure
G940 RAISE THE TITANIC – Good 3D Adventure game
G941 PHANTOM – Excellent shooting games (Defender 96)
G942 MACDONA-LAND – Brilliant game similar to Zool (not A1200)
G943 JOUST III – Brilliant C64 game with updated Amiga graphics
G944 DELUXE GALAGA V2.6 – The very latest Galaga. Highly recommended
G955 LAZER RACE – Good Tron type, extremely addictive to play
G956 TRAIN-DRIVER SIMULATION – The most realistic train sim.
G957 MASTER BLASTER – Kill various monsters with bombs
G958 KNOCK-OUT Mini derby destruction, very addictive
G959 DUNGEON HERO – 3D Graphic adventure similar to Doom
G960 MORTAL KUMQUAT 3 – Weird but fun beat-em-up
G961 CODE NAME NANO – Super Nutrust Clone (Nano Fly 2)
G963 POKER MANIA – If you like poker then this is for you
G965 LEATHAL FORMULA – Adventure similar to Monkey Island
F253 BEGINNER TYPING TUTOR
F254 WORD PUZZLE PRO - Create CrossWord puzzle to solve puzzle
F256 KID DISK 7 – Another very fine education program
F257 A-Z COUNTRIES OF THE WORLD
F258 UK COUNTIES Similar to above but this is based entirely on ENGLAND, WALES, SCOTLAND AND NORTHERN IRELAND
E259 BASIC ELECTRONICS V1.5 (2 Disk) - For electronic fans
E261 MASSIVE GUIDE TO THE INTERNET V2.3
AGA429 POWERDROID - 96 New Asteroids with brilliant graphics
AGA430 ULTIMATUM - The ultimate 3D Tank Battle
U1010 WB2 INSTALLER - Install A500/A600 workbench to HD
U1011 TURBO-CAT PRO V1.2 (not WB1.3) - Create catalogues
U1012 TEXT-ENGINE V5 (not WB1.3) - The very latest wordprocessor with spell checker. This is the full version, highly recommended
U1013 DIARY 2000 - Use this just like a real diary
U1014 TOTAL ECLIPS - Disk magazine 1
U1015 NEW CHEAT DISK V2.1 (2 disks) - Includes some games. Fix
U1016 ULTRA ACCOUNT - Another very good accounts program
U1017 PRO LOTTERY 96 - The very latest & best lottery program
U1018 PRO GREYHOUND - Like Pro Gamble but for dogs
U1019 AUTO STEREO GRAM V4 - Latest Magic eye generator
U1021 ELECTRONIC ADDRESS BOOK
U1022 PRO FOOTBALL 1.1 (2) Football predictor like Pro Gamble
U1023 REMDATE - Reminder for important dates
U1024 SHAPE SHIFTER V3.3 - The very latest Mac emulator
U1025 MESSY SID 3 - The latest PC->Amiga disk converter
U1026 HD GAME INSTALLER 4 - Install loads more games to HD
U1027 SOFT MEMORY - Double your computer memory. This version does not require HD or MMU. Give this a try, recommended
U1028 MAGIC USER INTERFACE V3.1 - Update to version 2.3
U1029 ORIC 48K EMULATOR (not 1.3) At last it works
U1030 MSX II Emulator V2.1 - (WB3.0) MSX computer on
U1031 900 AMIGA GAMES HINTS & CHEATS V4 (2 Disks)
U1032 VIRUS CHECKER V8.2 (not WB1.3) - Latest

LOTTERY WINNER

NATIONAL LOTTERY

EXCELLENT COLLECTION OF VARIOUS LOTTERY WINNER PREDICTION PROGRAMS

HIGHLY RECOMMENDED pack only £4.99

18 DEMOS

MUST BE 18 AND OVER

X80 CINDY CRAWFORD (2)
X74 MADONNA (SEX) (3)
X01 SHOWER GIRL
X03 BODY TALK (2)
X09 MARIE WHITTAKER
X24 SABRINA SPECIAL
X25 DIE FILKINGER
X26 MADONNA EARLY DAYS
X28 KATHY LLOYD
X30 MEGA-MAID
X31 CALENDAR GIRL
X32 MAYFAIR
X33 UTOPIA (4 DISKS)
X45 GIRLS OF SPORT
X49 PAGE 3 GIRLS
X70 GON GON GIRL
X71 TINA SMALL
X91 CINDY CALENDAR '95
X96 HOT BABE 1
X97 HOT BABE 2
X98 HOT BABE 3
X99 HOT BABE 4
X100 HOT BABE 5
X101 BIG GIRL II
X102 FEMALE BODY BUILDER
X103 GIRLS GIRLS
X105 ELLE MACPHERSON
X106 CLAUDIA SCHIFFER

BUSINESS SOFTWARE

U007 TEXT PLUS 2.2e easy to used word processor
U023 BANKING Home account program
U088 LABEL DESIGNER design your own labels
U097 DATA BASE 1.2 Excellent Database prog. RECOMMENDED
U144 DESKTOP PUBLISHING The best PD DTP available
U128 BUSINESS CARD MAKER (not A1200) brilliant
U160 BUSINESS LETTER very handy. Get it now
U811 BUSSINESS CARD MAKER - can Print in color
U101 DATA BASE WORKSHOP (2) brilliant PACK
U121 SPREAD SHEET Very easy to used spreadsheet
U183 QUICK BASE Very powerful Database. Easy to use
U112 RIM DATABASE powerful database + full DOC
U195 AMIBASE - Professional II The best database yet
U227 TEXTRA Can edit serval document at once
U239 FLEXI BASE Small easy to operate database.
U256 PENNY WISE Very powerful database
U297 VISICALC Great database lots of fuctions
U356 TEXT-ENGINE V3.4 - full feature wordprocessor
U343 LITTLE OFFICE - databases/wordprocessor/spreadsheet
U345 HOME BUSSINESS JOURNAL - Easy to use database
U357 BON APPETIT DATABASE many receipt.
U364 HOME ACCOUNT-Account program
U368 MONEY regarded as the best account prog. Excellent
U369 JOURNAL full feature account program
U385 LORAN'S BOOK database & world map.
U390 DATA BASE compilation - best seller to date
U388 MORTAGE CALC calculate mortage repayment rate etc
U426 MONEY PROGRAM very good account program
U417 ACCOUNT MASTER V2.8 new account program
U620 HOUSE INVENTORY - ideal for home insurance
U659 ADDRESS PRINT V2.1 Store & print addresses
U667 TEXT-PLUS V 4.0 pro requires HD & 2meg
U681 TEXT ENGINES V4.1 latest 36,0000 word spellchecker.
U688 INVENTORY 2 details of home contents, for insurance
U712 EDWORD PROFESSIONAL truly the best wordprocessor
U722 EASYCAL - massive spreadsheet - max 92583 cells
U756 PAY ADVICE ANALAZER - money prog.
U802 ADDRESS PRINTING print addresses on labels
U889 PAY ADVICE V3 account program
U810 LABLE MAKER-Print labels etc. New
U900 THE MONEY PROGRAM - Accounts
U901 LOANS ACCOUNT
U954 ONFORM One of the best Invoice makers
U959 ACCOUNT MASTER v2.2 (latest) programs up to 1000 entries pre account

LITTLE OFFICE 2

New Release includes
550 Business Letters
Word Processor
Calendar
Name & Address Database

All this for only £1.99

COMPATIBLE WITH ALL AMIGAS

HARD DRIVE & DISK DRIVE

Space Doubler

Ess. if 1 if the structure the size of your HD or Disk Drive storage capacity. Recommended.

U971 EPU V1.5 ONLY 99p

SUITABLE FOR WB2/3

HARDS-WARE Project 3

Build dozen of project included an accerator for £15, put your Amiga in tower case, use PC part eg Disk drive, ect H recommend, not suitable for beginner

3 disk set only £5.00

PLEASE ORDER A DISK CATALOGUE ADD 70P OR 3 X FIRST CLASS STAMPS WITH ORDER

Larry Hickmott guides the absolute DTP beginner throught the mind field that is the publishing industry, find out what software, hardware and techniques you need to get your work puiblished

Absolute at DTP

Over the years, desktop publishing has become more and more popular. Whether you're into video, music or publishing itself, it would seem that most of you have a need at one time or another to publish something. I've been exploiting the Amiga's publishing prowess for many years and still do, publishing not only a magazine, but most of my point of sale material as well.

Desktop publishing covers many areas, and in this feature I want to walk you through a few of these, looking at both software and hardware that you can use with your Amiga. The art of publishing can be broken up into four main categories. There is the production of text, pictures and then the coming together of both in a layout package and finally, there is the printing.

Written word

You could say that desktop publishing started with the printed word and wordprocessors. Thanks to the personal computer though, words can now be mixed with pictures not only in dedicated page layout programs like PageStream but also in wordprocessors such as Wordworth and Final Writer.

There are two ways you can look at the printed word in desktop publishing. One is where you create the text in a program suited for text creation and then use that text in a page layout program. This is what we do at LH Publishing where the words are created in Protext, saved as ASCII and then imported into either ProPage or PageStream.

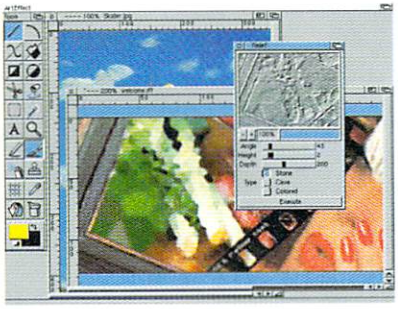
The advantage for us in doing it that way is that nothing gets in the way of the writing. You don't have to worry about what font it's in, where this picture goes and so on. You just get on with putting the words down that are required. This is why we use Protext, a text based wordprocessor.

We realise though that the way it's done by the majority of Amiga owners is rather different. Most create their text in either Wordworth or Final Writer. If that's you, and there's a strong chance it will be, and you intend using the text in another program like PageStream or ProPage, the best way is to save the text as ASCII and import it into the page layout program of your choice.

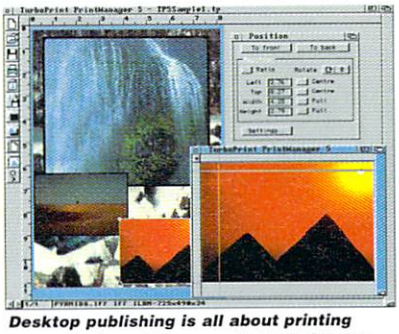
Some will ask why not do it in the page layout's wordprocessor and for me the answer is simple. Programs like Wordworth, Final Writer and Protext have more powerful text editing functions. Sure, the Article Editor in ProPage has a spell checker, but I prefer the one in Protext which has Auto correct to correct commonly misspelled words, a function also present in Wordworth and Final Writer.

I couldn't do without the thesaurus either. For example, a little earlier I used the word proof twice in the one sentence and didn't like the sound of it, so I used the thesaurus to come up with the word 'evidence' to replace one occurrence of the word proof.

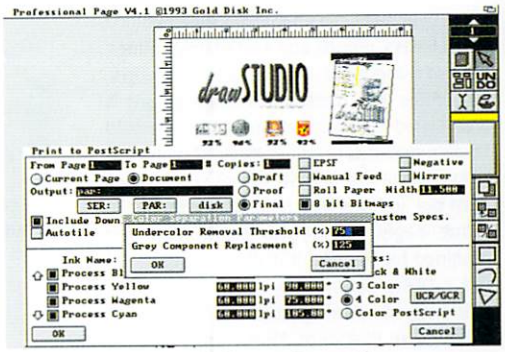
Amiga wordprocessors can be used for more than just word creation though, page layout as well, for example. Gone are the days when you couldn't format your text or add



Most publishers will need to create or edit graphics. One package that is getting better and better is Art Effect from Haage & Partner



Desktop publishing is all about printing computer based documents and with the help of packages like TurboPrint 5, the quality you'll get is nothing short of superb.



High end desktop publishing packages like Professional Page 4.1 have much more advanced features when it comes to PostScript output

beginners

images in a wordprocessor. Now you can do both almost as well as if you were using a DTP program. I personally prefer not to do my DTP in this way because I believe in using just one or two programs for all my page layout work. So whereas many will write letters in a wordprocessor, I normally do it a DTP program because it's what I know best.

There is no right or wrong way, just the one that you feel most comfortable with. I prefer a DTP application because I hate being dictated to when it comes to how things are done. I have never liked being told what to do and there's no way I like my software to tell me I can't do something. I'll give you an example. Let's say you want to lay out a letter in columns. In a wordprocessor you can do it in columns, but producing uneven columns that are linked requires a lot of lateral thinking. In a DTP program, it's simplicity itself.

A wordprocessor is a column based program while DTP programs are page based. The difference is simple enough. A page in a wordprocessor already comes with the columns in place. You can choose to alter the number via requesters and so on, but you can't pick them up and move them willy nilly. We do now have text frames in wordprocessors as well as tables, which enable us to have what I call free standing columns of text

LH Publishing – A Case Study

If evidence that the Amiga can cut it when it comes to DTP was needed then my own business, LH Publishing, is living proof that it can. I've been producing a magazine for nearly four years on an Amiga and have also produced a number of books and manuals.

This is why I feel very strongly about supporting the Amiga and Amiga DTP. When Gold Disk stopped publishing Amiga products, I dipped my hand into my pocket to get them to sell me a licence to resell Professional Page 4.1, something we are still doing.

The promotion of Amiga DTP products has increased, as I have come to see that no other company in the UK has the appetite or experience to do this. So much so, my business now imports products from long time Amiga supporters, Soft-Logik, as well as important items like ImageFX, data CDs and TurboPrint 5.

To produce our magazine we use both Professional Page and PageStream 3; the words are produced in Protext. Many of the graphics are scanned using ImageFX 2.6 and an Epson GT-8500. Headings and illustrations are created in DrawStudio while the editing of bitmap images is taken care of in both Personal Paint and ImageFX 2.6.

The films for the printer are done on Hewlett-Packard lasers while the proofs are normally output on one of the Epson Stylus inkjets we have here via TurboPrint 5.

As far as hardware goes, all our work is now done on an 060 based 1200 although this is soon to change. Not long ago we picked up a second-hand 4000/030 and I feel now is the right time to equip the 4000 with a graphics card. Although we have both Zip and Jaz drives, I prefer the latter – the Zip drive fills up far to quickly.

For those that feel we might change our minds if we had a Macintosh or PC, we also have these as well. The Macintosh hasn't been turned on for almost three months and the PC is Siamesed to the Amiga and only used for accounts and the database. The Amiga really does rule and for all the right reasons.

With printers now able to produce photo quality, there has never been a better time to get into publishing

but, as yet, they can't be linked together.

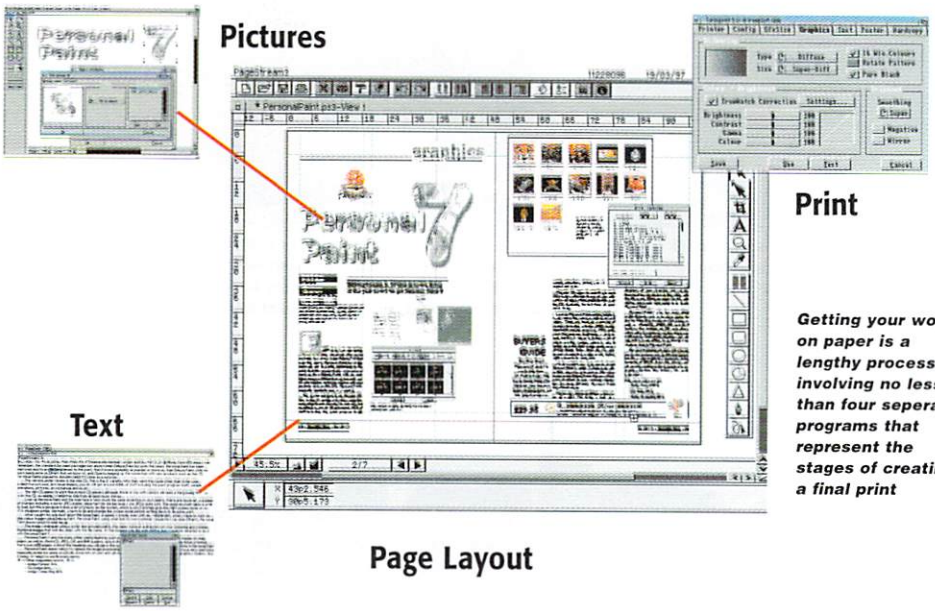
For letters, reports and a lot of other things, this isn't important. In fact, with end notes, foot notes and more, the wordprocessor is well suited to technical notes and I would recommend it for such, especially with contents generation and so on where I would draw the line is when creating booklets, have facing pages. Word processors were not designed for this and it is definitely easier to use a DTP program. I would also say that a DTP program is better suited for those who want to use PostScript. Most wordprocessors support it but only in a fairly minor way.

You will also find a desktop publishing package is more flexible with graphics. Both Wordworth and Final Writer are quite adept with graphics but nowhere near as good as either PageStream or ProPage. The DTP packages can handle more graphics formats for example, and the drawing tools are generally more powerful.

Then we come to font handling. Amiga wordprocessors have made great strides in making sure they support many different formats of fonts but still do not have the control necessary for controlling the kerning of fonts – the ability to set the kerning for individual fonts and individual pairs, for example.

Many of these points may appear to be of minor importance, but to the serious publisher, they can be the difference between an eye catching layout and one that is plain and drab.

The key to knowing which one to use is experience. If you've only just started with DTP, then experiment and find what's comfortable – what I like may be totally unsuitable for you. For years, I have advocated the use of Professional Page, because it's what I know, but recently have spent a lot of time using the latest version of PageStream and feel comfortable using it. I don't use a WYSIWYG wordprocessor for the bulk of my work because when it comes to page layout, I often find I'm restricted in what I can do.



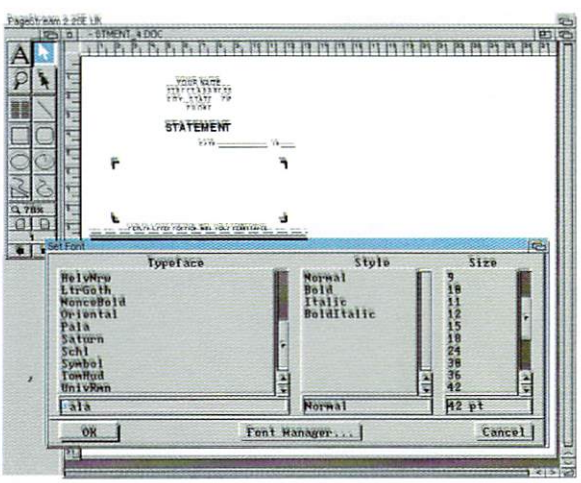
Getting your work on paper is a lengthy process, involving no less than four seperate programs that represent the stages of creating a final print

I really enjoy using photo-quality pictures and it's because of this that I have been driven to push my Amiga to its limits so that I can reproduce pages almost as good as the ones you see here

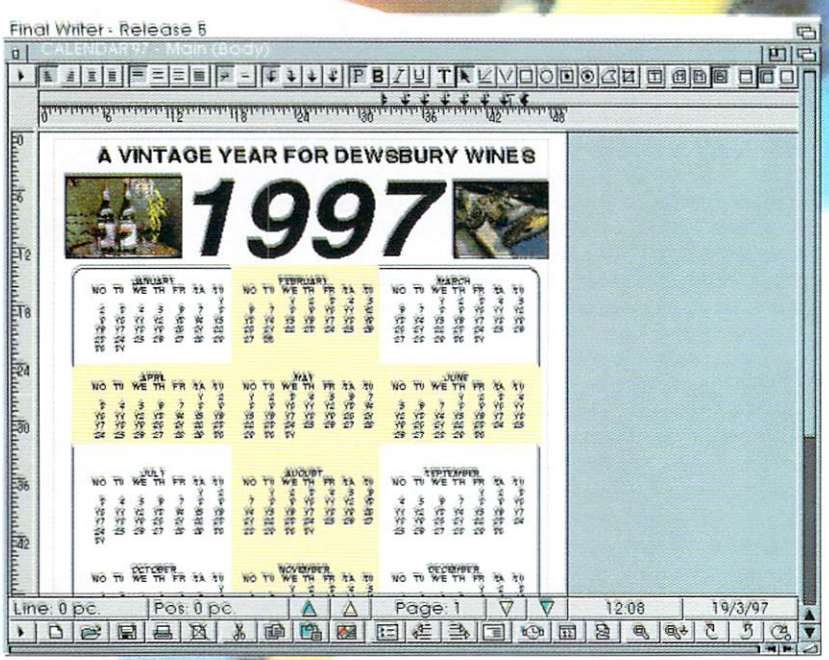
If you're happy using your wordprocessor for DTP, then so be it, but don't be afraid to experiment because in the long run it will make you better at what you do. Force yourself to learn new applications because you will generally find each program has a strong area which you can put to good use at some time.

TELL A STORY

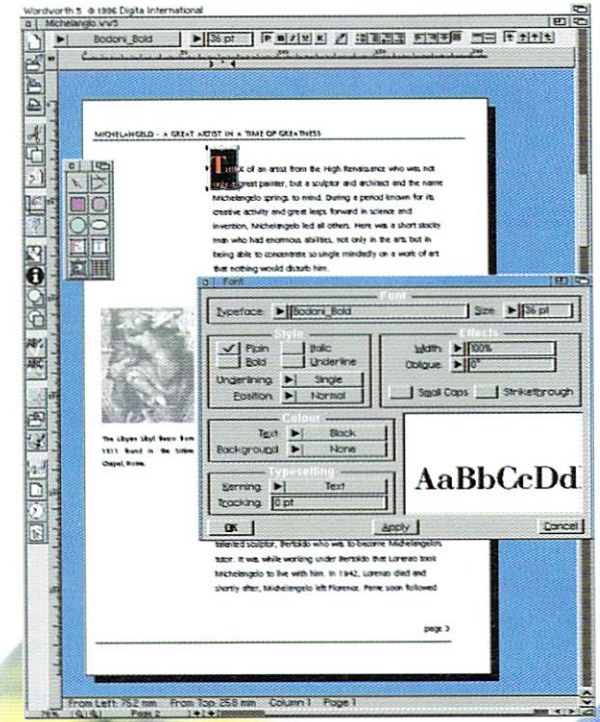
Text with no pictures is not something I find appealing. When faced with such a page, I will always try and find something to break



PageStream 2SE from LH Publishing is an ideal starting point for anyone wanting to jump onto the desktop publishing bandwagon



Creating calendars, letterheads and so on, is possible in programs like Final Writer and Wordworth, even though they were designed as wordprocessors



Desktop publishing is something you can do even with a wordprocessor like Wordworth

WHAT YOU NEED

Hardware:

• Any Amiga, but the better your machine, the more adventurous you can be in the work you take on.

• Flatbed scanner. Now very affordable, flatbed scanners are the best way to get images into your Amiga. Other methods include hand scanners and digitisers.

• Printer. DTP just isn't the same without a printer! I recommend a modern inkjet because they can produce photo-realistic colour and pin sharp black and white. If you have to produce lots of copies, I recommend a laser.

• Large hard drive or removable drive. Each copy of my magazine takes up at least 30Mb of disk space, so having plenty is important. A Zip drive is a good way to give you that extra space you need.

• SCSI Port. SCSI is much more useful than IDE in my experience, and with a SCSI port you can connect Zip and Jaz drives, plus CD-Roms and scanners.

Software:

• Word processor. One like Wordworth or Final Writer can be used for all your word creation and layout needs. I use Protext (sadly no longer available as far as I know) to create my words, even those for Amiga Computing!

• Graphics programs. You'll need something to process images starting off with a program like Personal Paint (or DPaint) but for those working with photographic images, I recommend a package that works in 24-bit fidelity. Packages like ImageFX, Art Effect and DrawStudio. ImageFX also comes with scanner drivers.

• Page Layout. You have three options here. The cheapest is PageStream 2SE, now available for only £25 in the UK. Next on the monetary ladder is Professional Page 4.1 at £49.95 with the best being PageStream 3 at £125.

• Print Enhancement Package. To make sure your creations come out on paper as good as they look on screen, you need either Studio II Professional or TurboPrint 5.

• Font Editors. Outline fonts are the bedrock of DTP and with TypeSmith, you'll be able to edit and create your own.

it up to make it less intimidating, even if it's just white space.

I really enjoy using photo-quality pictures and it's because of this that I have been driven to push my Amiga to its limits so that I can reproduce pages almost as good as the ones you see here, but printed from a desktop printer. In the beginning, before we had TurboPrint and Studio, that wasn't possible (except of course if you had a PostScript printer). Now it is, thanks not only to print enhancement packages but also much better printers.

The type of pictures you choose depends on many factors. There are two main categories – structured and bitmap. I prefer bitmaps. There is a misunderstanding that you only get good quality output from structured drawings but that is a lie. The reason for this is simple: Bitmaps are more compatible with whatever application you care to name and support anything a program is capable of producing.

I'll give you an example. There are many different types of EPS and not all will work with applications that are supposedly EPS friendly. I also found that when testing some

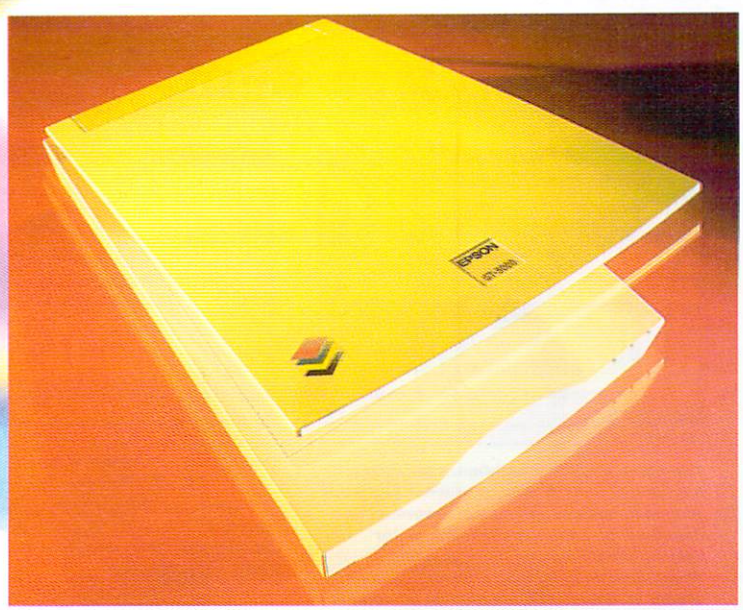
JARGON BOX

ASCII – Raw text. No formatting code other than perhaps tabs. Useful for taking text from a wordprocessor into a DTP package.

RTF – A slightly advanced ASCII format which enables you to take text from an application, retaining some of the formatting but not pictures and so on. In conjunction with Font translation tables, RTF can be useful for may who own a PC and an Amiga.

Separation – When you print a page in full colour (or spot colour) for output on a printing press, you will need to separate the process or spot colours so each one is printed on a separate piece of film. Only DTP programs handle this sort of work.

PostScript – A programming language popular for describing pages. Has many advantages and is the industry standard for publishing. In general, a PostScript page will print more quickly than one to a non Postscript printer. Only bitmap images slow down PostScript.



A flatbed scanner produces the best quality, and with prices going downwards, more Amiga owners can afford what was once a luxury item

THE PUBLISHING INDUSTRY

One of the most common questions I am asked is whether someone with an Amiga can make a living out of publishing. The answer is simple enough – yes. After all, I did it which is proof that anybody can. There is only one obstacle you will face and that is the industry that supports publishing. Don't be alarmed, you'd face the same problem if you owned a PC. That's because the printing industry is Macintosh based.

Whenever you want some high resolution film produced, you'll have to be ready for rejection because many bureaus, more through incompetence than anything, won't accept it. Many are not happy unless they have a document file, and Amiga document files won't load into Macintosh applications of course. So you hand them a PostScript file but quite a few don't know want to do with this, that's when the problems start.

My advice is to get a PostScript printer, and if you do spot colour work, find a printer that works from positive film. That way, you can produce your own film on the PostScript laser. If however, you want to do full colour work, get a PostScript laser for proofing PostScript files and a colour inkjet for doing colour proofs, but take a PostScript file from your application to the bureau. Show them the proofs of the separations and the colour proof and tell them simply to send the PostScript files to the image setter. Some will, some won't.

My advice is to get plenty of practise producing proofs which you can show your bureau, and iron out any possible problem areas before you get too far ahead of yourself.

applications, EPS images can take a lot longer to print to non-PostScript printers. If you have a PostScript printer, and only a small number of Amiga owners do, then the opposite is true. Structured drawings will print more quickly.

The big failing of a structured drawing is that, depending on what format you work with, you will be faced with various restrictions. Things like bitmap fills and transparent colours, which are now possible in a number of applications, are not possible in commonly used structured formats. Suffice to say, providing you stick to some simple guidelines, bitmaps will print every bit as well as structured objects.

If creating an image, make it big and scale down and if the program supports anti-aliasing, use it. If creating line art, make sure it is created at the same resolution as your printer. On-screen, the image is at 75 dpi (approx), so if you know you have to create a diagram one inch in size and your printer is 300 dpi, it must be created on a screen four inches wide and then scaled down in the DTP program. The one exception to this is DrawStudio, where you can create your image any old size and just select the resolution you require when exporting the image.

Taking words and mixing them with pictures can be done in a wordprocessor as already explained, but by far the best solution is to use a DTP program. These applications are page based. That means, the program gives you a clean white page and you are free to place whatever object you want, wherever you want, including columns of text that are linked.

This is the biggest single advantage that a DTP program has over a wordprocessor. There are no rules to follow, which in many cases, can make it more difficult because there's more room to make a mess of things and if my early work is anything to go by, most people starting out will do just that.

On the Amiga we only have one DTP application still being developed: PageStream 3. For those interested, it is available in the UK because I went out and bought a whole load recently.

It is, however, an expensive option and only for those with a healthy budget or some serious DTP to do. There are two other options – PageStream 2 and Professional Page 4.1, they are no longer being developed but still prove very popular. PageStream 2 will only set you back £25 including printed manual and for the casual publisher, it's probably ideal.

Professional Page 4.1 is a package I still use more than any other, even though it's many years old and no longer developed. I also have programs like QuarkXPress, PageMaker 6.5 and the popular PagePlus (PC), but they all suffer from one problem or another which is why I stick to Amiga publishing apps. When it comes to DTP, the Amiga does it as well as any computer.

JARGON BOX

Process Colour – One which has to be separated into four colours – Cyan, Magenta, Yellow and Black. Bitmap images will always be separated into this for full colour output.

Pantone Colour – Although it can be many things, it is generally known for its spot colour library whereby you can stipulate a Pantone colour on screen (PageStream 3 and Professional Page 4) and then have the printer use his Pantone catalogue to mix an ink the same colour.

Pica – A unit of measurement. 12 points to one pica and six picas to an inch.

Anti-alias – Imagine two types of curves, black on a white background. One is just black and when printed, visible steps can be seen in the curve if not scaled properly. The second, with anti-aliasing, is where shades of grey are used to smooth the transition between the black curve and the white background, producing a smoothing looking line.

USEFUL UK PHONE NUMBERS

LH Publishing: DrawStudio, PageStream 2 & 3, Professional Page 4, TurboPrint 5, Personal Paint 7, TypeSmith and most other necessary pieces of software for DTP. Contact – 01908 370 230

EyeTech: EnPrint. Printer software for Epson printers. Contact – 01642 713 185

Softwood International: Final Writer, digitisers. Contact – 01773 836 781

BlitterSoft: Art Effect. Contact – 01908 261 466

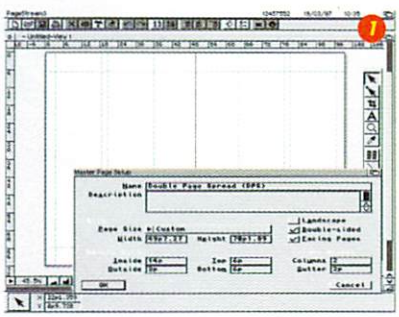
Digita International: Wordworth 6 and Personal Paint plus other Amiga applications. Contact – 01395 270 273

HiSoft: SCSI Devices, Studio II Professional, CD-Rom drives, Cinema4D. Contact – 0500 223 660

Simply Computers: Cheapest retailer I know for printers and scanners. Contact – 0181 523 4020

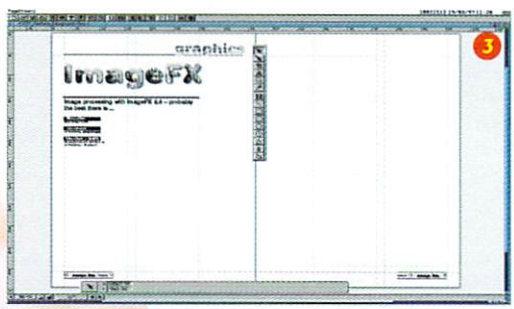
VectorJet: Printer consumables. Contact – 01763 273 115

STEP-BY-STEP GUIDE TO DTP

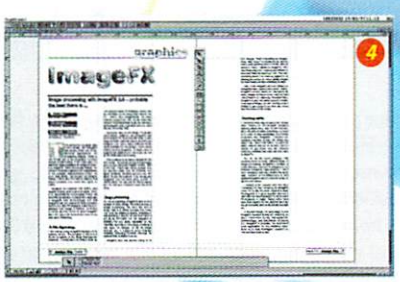


The blank page is a nightmare for many, but having a quick sketch of what you want to create will get you going. Programs like PageStream 3 have many features for helping create double page spreads. These functions include different coloured guides to help in the positioning of objects so you can generate a consistent look to a document

In the case of a magazine layout, a heading is placed on the page along with a few other items. Notice the way the grid is used. This adherence to the grid can be broken occasionally to create a more freeform approach that will stand out among the other, more structured, layouts

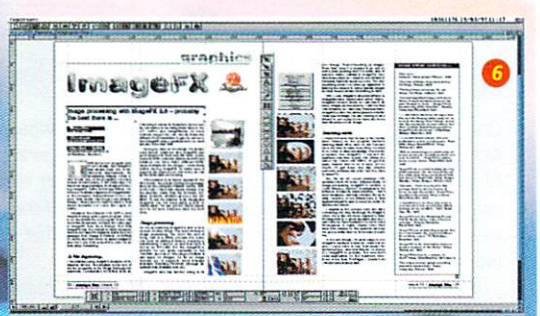


Pictures are added. Here the wide inside margins are used for illustrations. In some cases, you might like to break into a column of text with a picture. Many magazines do this to extremes with columns of text only a word or two wide flowing around pictures. I prefer to see images break in by less than a third of the total column width so the readability of the text isn't compromised



The starting point with most layouts is the furniture that is repeated on every page within the document. These include headers and footers, as seen here

Text is placed into linked frames as we see here. An eye catching drop cap is placed on the page to make the starting point of the article more noticeable. DTP programs are better with this sort of approach because text frames are more flexible to use than the fixed columns in a wordprocessor



Finally, a boxout is added with extra information but set differently to the main text so the reader can see that this information is separate, and doesn't mistake it for the main body of text

GASTEINER

0181 345 6000
Facsimile 0181 345 6868
18-22 Sterling Way, North Circular Road, Edmonton, London N18 2YZ

LONDON'S AMIGA SALES & REPAIR CENTRE

RAM CARDS

WE CARRY RAM CARDS FOR ALL AMIGA COMPUTERS AT VERY LOW PRICES

AMIGA A500

1/2MB A500+	£15.99
1MB	£19.99

AMIGA A600

1MB	£19.99
1MB WITH CLOCK	£34.99

AMIGA A1200 RAM CARDS COME WITH CLOCK & FPU SOCKET

0MB	£29.99
1MB	£39.99
2MB	£49.99
4MB	£54.99
8MB	£79.99

BLIZZARD 1230 IV

0MB	£149
4MB	£169
8MB	£189
16MB	£209
32MB	£259

FPU

33MHz plcc	£10
50MHz pga	£50
crystals	£5.00

MEMORY SIMMS

At Gasteiner we have simms & memory for all ram cards & accelerators made for Amiga computers A500, A600, A3000, A1500, A2000 A4000

30PIN SIMMS1MB
4MB
72PIN SIMMS
2MB
4MB
8MB
16MB
32MB

Call for UK's best prices

SCANNERS

	EX VAT	INC VAT
GT 5000 EPSON	£350.00	£411.25
GT 8500 EPSON	£700.00	£822.50
GT 9000 EPSON	£600.00	£705.00

ARTEC 600DPI FLATBED SCANNER
with amiga software
£269.00 BEST BUY

HARD DRIVES

WE SELL HARD DRIVE FOR ALL AMIGA COMPUTERS. WE HAVE SCSI OR IDE HARD DRIVE TO FIT AMIGA A500, A600, A1500, A2000, A3000 & A4000 WHATEVER CONTROLLER YOU MAY HAVE? IF IN ANY DOUBT PHONE OUR TECHNICAL PEOPLE

SCSI

FASTEST DRIVES

	EX VAT	INC VAT
290MB INT SCSI	£50.00	£58.75
730MB INT SCSI	£99.00	£116.33
1.2GIG INT SCSI	£159.00	£186.83
2GIG INT SCSI	£285.00	£334.88
4GIG INT SCSI	£600.00	£705.00
730MB EXT SCSI	£130.00	£152.75
1.2GIG EXT SCSI	£219.00	£257.33
2GIG EXT SCSI	£300.00	£352.50
4GIG EXT SCSI	£650.00	£763.75
8GIG EXT SCSI	£999.00	£1173.83

IDE 3.5"

BEST BUYS

420MB	£99
850MB	£129
1.3GIG	£149
1.7GIG	£169
2.5GIG	£199
3.2GIG	£249

IDE 2.5"

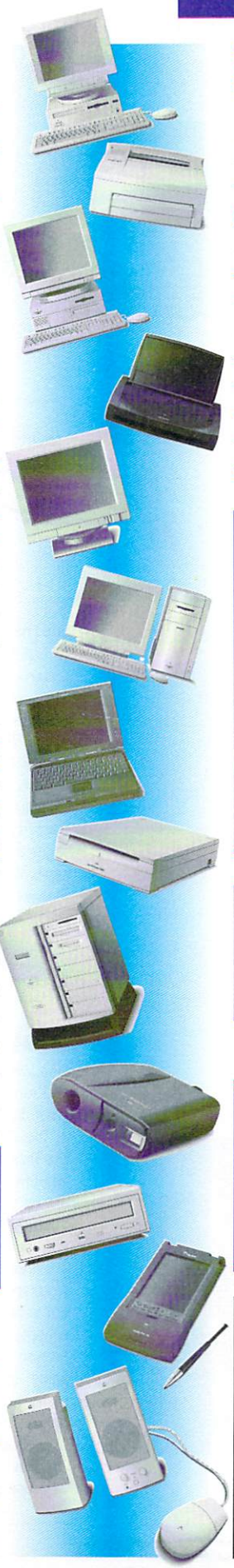
SUPER SMALL HARD DRIVES

170MB	£69
340MB	£89
520MB/540MB	£129
810MB	£159
1GIG	£199
1.3GIG	£259
2GIG	£369

FAX & MODEM
NEW 33.6 WITH CABLES FOR ALL AMIGA **£79.00**

CD ROM & WRITERS

CD ROM	EX VAT	INC VAT
4 SPEED	£100.00	£117.50
2SPEED	£79.00	£92.82
8 SPEED	£200.00	£235.00
CD WRITERS		
PINNACLE	£549.00	£645.08
RICOH 2 SPEED	£329.00	£386.57
YAMAHA 4 SPEED	£629.00	£699.00



PRINTERS

EPSON 200	£119
EPSON 500	£249
EPSON PRO	£379
HP640	£249
HP870	£379

MONITORS

	INC VAT
MICROVITEC 14" (NEW)	£199
MICROVITEC 17"	£349
SAMSUNG 15"	£259
SAMSUNG 21" (NEW)	£1059
SONY 15"	£329.00
SONY 17"	£586.32
GASTEINER 15"	£258.50
GASTEINER 17"	£419

BITS & BOBS

ZIP DRIVES	£149.00
JAZZ DRIVES	£420.00
SQUIRREL	£50.00
SURF	£89.00
SMD MPEG	£199.00
SCSI OKTAGON	£89.00
MULITIFACE III	£74.99
ALFAQUATRO	£55.00
IDE CONTROLLER FOR A500, A1500, A2000, A4000	£79.00

OFFER OF MONTH
A500/A600/A1200 Power Supply
Only £14.95

ZIP, JAZZ & SYQUEST CARTS

ZIP CARTS	£15
EZ135 CARTS	£15
EZ230 CARTS	£23
JAZZ CARTS	£79
SQ 200 CARTS	£59

DELIVERY CHARGES

SMALL CONSUMABLES AND SOFTWARE ITEMS UNDER THE VALUE OF £59 PLEASE ADD £3.50 P&P. OTHER ITEMS EXCEPT LASERS, NEXT DAY COURIER SERVICE £10 PER BOX. 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 ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.
ALL TRADEMARKS ACKNOWLEDGED.
TRADERS TERMS & CONDITIONS AVAILABLE UPON REQUEST.

Dan Winfield explains why he could not live without his CyberVision 3D

Depth perception

One of the best investments I have ever made for my Amiga has got to be a graphics card. My first one, a Picasso II, brought life back into my A4000 with fast 256 colour Workbench and higher resolutions. The move from AGA to the Picasso was much more noticeable than when I moved from my ECS A1500 to AGA all those years ago.

It wasn't long, however, before I wanted more. I found myself craving to view the Web in thousands of colours, use the new CyberGraphics screen modes in programs like Image FX and, most of all, keep up with the speed of graphics cards on the PC.

As if in answer to my need, Phase5 announced its new CyberVision 64/3D graphics card with 4Mb video RAM. I had read the reviews of the CyberVision 64 card in the past and decided to order one. The card was due to arrive in a couple of months so I sat back and waited. Good job I had registered CyberGraphics for the Picasso II while I was waiting, but 15bit screens were slow and I couldn't wait for a 64bit dream of a card.

I lost track of how long it took to arrive. Like all good Amiga users I am used to waiting, and eventually the card was delivered (several months late) in the first week of January. The slim black sexy box containing the CV3D was in my hands and all was forgiven.

IN WITH THE NEW

The installation instructions seemed simple enough so I got into action. Here's a tip which may be useful; before you turn off your Amiga and start the install, make sure you set the Workbench screen back into an original mode that your monitor can see, or you will find you won't be able to see anything when you turn it back on with the CV3D. I had to put my Picasso back in and do this!

Opening up your machine requires a bit of care, make sure you keep all the screws safe as you take them out and remember that static electricity will cause damage if you do not take precautions. Buy, borrow or pinch a static wristband, take out all the power leads from the back of your Amiga and don't be too forceful.

Follow the instructions and you should soon have the card in place. The CV3D uses a new version of the popular CyberGraphics software which is up to v3 now. This was easy to install and I had no problem with setting the software to use the monitor file from the old Picasso CyberGraphics installation. Getting your monitor working with the CyberGraphics software requires you to use a program called CVMode, further help on this is on the Internet at the official CyberGraphics support site (see Web references).

One more reboot and I was ready for action. Booted fine, nice new boot logo, no error messages or anything unexpected. Start Image FX, crash. WHAT? Start Directory Opus, crash! Start ibrowse, crash! Doh! Start to panic. I read the manual and calmed down a little - some systems with accelerators need to have the latest Buster chip and mine was one of them (see box out).

The CV3D demonstrations and the useful CyberPrefs

IMPRESSIONS

One week and one new buster later. OK, up and running and stable in 15bit 800*600, but what did I think?

The CV3D was definitely much faster than the Picasso II. Opening, moving and resizing windows was snappy. A big test for me was always going to be swapping between screens. I usually have three screens going - Workbench, a MUI screen for ibrowse/Web development and XWindows so I can run Netscape and other UNIX applications from our server across the office. Yes, again, it was snappy and many times faster than with my Picasso II and what's more, there are still draggable screens. I then proceeded to spend many hours trying out all my software, 3-D demos and getting the latest drivers from the CyberGraphics Web site.

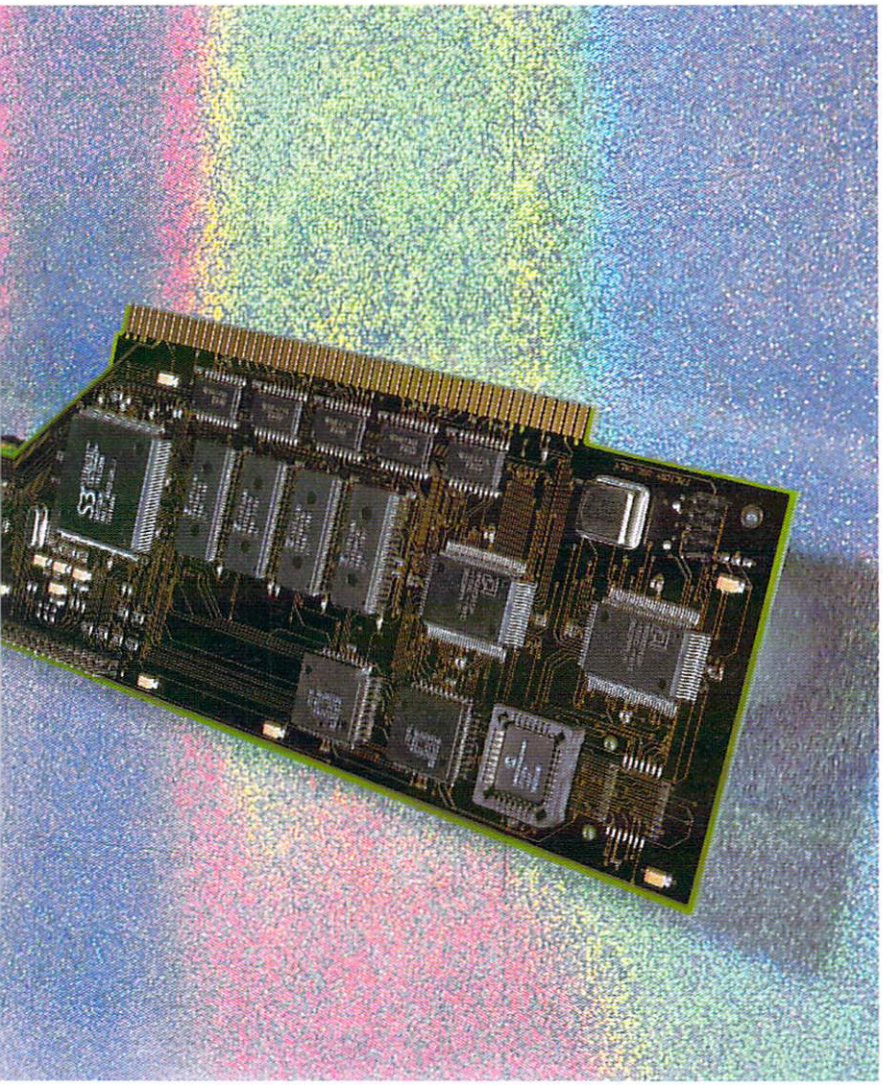
I was very happy with the CV3D, especially as I use my Amiga at work and the speed increase alone makes the card worthwhile. But this speed has been available in the past with the Cybervision64, so what about the new 3-D side of the card?

The CV3D is powered by the Virge graphics chip from S3 (if you want to delve into more detailed specifications, everything you need is on the CyberGraphics Web site). The 3-D demos that come with the board demonstrate the potential of the Virge chip.

They are simple texture mapped shapes that you can rotate using the key pad. If you play with your keyboard delay settings you can get them to spin more quickly and smoothly. I managed to get them to produce a suitably hypnotic effect as I stared at the screen rotating the objects round and then back again. I was impressed with this early demonstration and hope that software developers use it, particularly in 3-D rendering packages, in the future.

I have been using the card for nearly three months, five days a week and have found it very stable and a definite welcome addition to my set up. If you have a CyberStorm 060, as I do, then you will have pretty much reached the limit of what an Amiga can do at the moment, but don't sit back and feel all smug just yet.

The Picasso IV has recently been released and although I haven't tried it myself, it seems



to have very good specifications and represents extremely good competition for the CV3D. For a start it has its own 3-D module promised and a video pass-through as standard - wait a minute, this is a CV3D review not a Picasso IV advert.

There are a couple of expansion options worth mentioning that can be added to a CV3D. The first is a Scan doubler module, this will be essential if you rely on the old Amiga screen modes. The CV3D doesn't come with a pass-through as standard, and so it is impossible to see some Amiga screen modes, something I had been used to on my old Picasso II.

This is just not a standard option and not a problem because it is possible to buy one if you need it. I don't think I will, but I do want to get the Mpeg module. This option was promised for the original CV64 card but was never built due to S3 dropping support for the old Trio64 data bus. This module allows real-time Mpeg audio and video decoding without processor usage. You can even open the video into a window on Workbench in 15 or 16bit colour.

This is all very well, but I just read this on the Phase5 Web site because, as it stands, the module hasn't been released. I hope it is, but then again I am still waiting for the CyberStorm Ethernet module.

I did try out some speed tests using a program called SysSpeed, but really this is only useful if there is something to compare it to. I did not have a Picasso IV to hand, but when we review it I will make sure a statistical comparison is made. So you will have to wait for the heated head to head that will surely ensue.

Remember, if you want to use the latest drivers after you have bought your CV3D, they are on the CyberGraphics Web site. You will then benefit from extra options such as SUPERLAYERS which greatly speeds up all window moving.

All in all, I am completely happy with the CV3D's performance. I know there are some faster cards for the PC, but then who knows what the future holds now Gateway 2000 has bought the Amiga and with the pending release of the Power Up card with optimised RISC drivers from Phase5? If you want speedy graphics now, then the CV3D represents excellent value at £179.95.

The incredibly useful CyberGraphics Web site

BUSTED BUSTER

When I installed my CV3D I soon discovered that I had to upgrade my Buster chip. There are bugs in some of the Buster chips on older Amiga 4000's, usually Revision 9 ones, which makes using Zorro III slots unstable with accelerators that operate at anything but the original 25MHz. Have a check and see what version you have.

My revision 9 was taken out and replaced with a revision 11, which I ordered from Dart Computer Services (0116 2470059). The installation was simple and everything worked a treat from then on. Again, more information about the Buster bug can be found on the CyberGraphics Web site.

WEB SITE REFERENCE

Phase 5 http://www.phase5.de
CyberGraphics http://www.vgr.com/cybergfx
Virge http://www.s3.com/products

Files
Aminet util/moni/SSpeed22.lha

All the information you could ever need on the CV3D can be found on the CyberGraphics Web site. If you are not on the Internet yet, you are definitely missing out. Updates to drivers, utilities and help for the CV3D is immediately at hand.

Bottom line

PRODUCT DETAILS

Product	CyberVision 3D
Supplier	Gordon Harwoods
Price	£219.95
Tel	01773 836781

SCORES

Ease of use	90%
Implementation	83%
Value For Money	90%
Overall	88%

The sun is shining, the birds are singing and it looks like we are in for a long hot summer. Best of all, the Amiga has been bought, hurrah

MONEY, MONEY MONEY

Amiga Computing is my favourite magazine of all the Amiga magazines out there. Why don't you allow a section where your readers put their interviews, games and opinions without an AC expert answering them? Why not have an art page where people draw pictures by hand or by computer that have to do with AC or anything else with the Amiga, and the best drawings of the month will win a prize?

Getting down to some real business. Why doesn't the Amiga Company publicise the Amiga with commercials on TV? Why do we pay so much for Amiga parts when we can buy parts for PCs at a cheaper price, and we can use it on the Amiga?

What I'm getting at is that the Amiga has a lot of potential and is the greatest computer in the world, but without any advertisements how will anyone know what the Amiga is? People may see an Amiga magazine on a news stand, but why are they gonna buy it if they don't have a clue of what type of computer it is?

Another thing -upgrades. The PC, for instance, has an MMX chip now, but what about the Amiga? PCs can be upgraded without too much work. How come the Amiga doesn't have special America Online and CompuServe disks like the PC?

I do not want to make it seem as if the Amiga is a bad computer, it is my favourite computer and games system, but if you don't let others know what it can do, then what's the point?

Joey Di Perla, j_diperla_12@juno.com

Mmmm, so it would be like a letters page without me answering? Nah, my ego's too big for that sort of thing, and if I started letting you lot write games reviews we would have to fire Hugh and Amiga Computing Towers just wouldn't seem the same with the clomping of his size 12s.

If you know what you are doing, what is stopping you buying parts from a PC shop? Generally you will find that most Amiga shops deal with a much smaller number of customers but can provide dedicated Amiga help, and you know what you are buying is guaranteed to work with your Amiga. For example, if you ring up a PC shop and ask for memory, you could mean SIMMs, DRAM, SRAM, VRAM or WRAM. Whereas in an Amiga shop you would have no such problem.

I can tell you why there are no Amiga adverts on the TV - money. It is a fact that adverts are the single most expensive form of media and, at the moment, Amiga International has better things to spend its money on. Perhaps when a new machine sees the light of day we will see an advertising push.

As for MMX, you will never see that appearing for the Amiga as it is part of the Pentium processor and I think it's just a crafty ploy by Intel to force people to upgrade their processors to at least 166MHz. But as for Amiga's not being upgradable, that is just not true. With an A1200 you can upgrade the processor, memory, hard drive, add SCSI drives, CD-Roms, video grabbers, sound samplers and for the A4000, the sky's the limit.

What you seem to forget is that the Amiga is a minority computer platform, you might not like it but it is a fact. Companies such as CompuServe and AOL will never have Amiga support, unless someone practically gives them the necessary software.

WRITE IN!

If you have something you need to get off your chest then put pen to paper and write to ESP, Amiga Computing, Media House, Adlington Park, Macclesfield, SK10 4NP. You can also Email us at ESP@acomp. demon.co.uk We have various software bundles to give away for the best letters (please indicate whether you'd prefer serious software or games). We do try to reply to all Emails and letters, but at busy periods this is sometimes not possible so please bear with us

WE'RE SO NASTY

I think you should start running a "Spot The Amiga" column. It's good fun and it heightens awareness. For example I saw an A1200 on the Working Lunch programme, BBC2, 20 Feb. It was reporting on a Welsh animation company, Serial, and was running an animation of a line a drawing of a cartoon that had been digitised. What do you think?

Michael Barkhordar, mikebarkhordar@enterprise.net

A few years ago there was a spate of Amigas appearing on TV - largely due to a number of video companies using Amigas to produce computer screens that have to be seen on TV, and so avoid the flickering you would get from a normal PC screen display.

Sure, if you spot an Amiga you can write in. However, I'm not promising we will do anything with the letters. That's the sort of caring sharing attitude you have come to expect from Amiga Computing.

QUIKPAK, SHMISHPAK

I found this on your Web page, and feel that I have to comment on it.

QuikPak does not, however, seem to agree with the numerous companies that said it should concentrate on cheap, entry level machines instead of the Video Professional market.

"The Video market is currently providing the only purchasers of A4000Ts - that is why we devote so much development to them," said Robinson. "Bringing back the A1200 was a huge mistake by Escom. 1992 systems re-introduced at ridiculous prices...hey, I'm a fanatic and even I wouldn't pay a thousand Canadian dollars for a computer I purchased for 599 dollars in the spring of 1994."

"The Video market people are the only ones that need an A4000T, as for the A1200 I agree, and furthermore I think that its all in one approach is butt ugly. I want separate keyboard from system, and front mounted drives".

"We do have an entry level system ready to go, but the big question is, will anyone buy one?" I will buy it if the price is right, and it has an Akiko chip, real NVRAM, RF, AV, SVHS, ARGB, video output, and a power PC604 100KHz CPU.

The demands for all-powerful Amigas at ever cheaper prices do not impress Robinson either. "Cheap, cheap, cheap...to these people who whine about cheap PC IBM clones, I say so buy one and shut the f**k up.". He continued: "The Amiga in my opinion has value. An A4000t at $1997.00 US with 16 Mb of Ram, a CD-Rom drive, SCSI II HD, a software bundle and all the wonderful capabilities it delivers, is good value. This is a true pre-emptive multitasking computer with unmatched video potential"

That's nice, but it still can't play Doom! I didn't buy an Amiga CD32, SX1, 2.5" 340mb HD, 4Mb Fast Ram to do rendering, I bought it to play computer games on my 35" SVHS TV using a multi-firing button Joypad and in NTSC. I take great pleasure in playing Frontier Elite II from my bed using only the CD32 Joypad, and feel sorry for other Amiga users who have to play it with a joy stick mouse and key board staring at a 14" monitor they will probably get haemorrhoids and spend their declining years glowing in the dark, sitting on those little round air filled doughnut things.

I also feel that it is necessary to give the people who created Guardian for the CD32 some praise for figuring out that NTSC players can play their PAL game if they let them move the game to the top of the overscan screen, too bad the morons at Sensible software didn't figure this out before they released Cannon Fodder CD32!

QuikPak hopes to have good news for the Amiga by the time this issue hits the shelves. Rest assured, we'll keep you up to date with the latest developments.

Looking forward to it!

Eric Hyland, a007193t@bc.seflin.org

I'm sure you're glad you got that off your chest. I suppose now, pretty much everything that QuikPak, and VIScorp for that matter, have said will have to be redressed. I would imagine QuikPak will keep its current relationship with Amiga Technology/International and so produce its rather expensive A4000 systems, something you have pointed out yourself.

Somehow I don't think QuikPak was talking about an entry level PowerPC system - one thing I am looking for Gateway to allow is the Amiga's operating system to be ported to the PowerPC. This is something that will have to be done before we see any hardware coming from Amiga International, I would guess.

The PAL, NTSC screen display difference has always caused problems. I know there are a lot of people in Europe that would have liked to get their hands on a PAL Toaster system, but then NewTEK totally missed out on that market. Sorry, I was forgetting you are not interested in that sort of thing.

The problem you are facing is that the games market in the US is so small and as most Amiga game developers are European, they will simply ignore NTSC users. In reality, if programmers used the operating system this would not be a problem as you could choose the screen mode. The AmigaQuake port does this, along with multitasking and supporting graphics cards.

What you have to remember is that you and QuikPak are talking about two almost completely different machines. You want a PlayStation, MMX beating, Amiga games machine. Whereas QuikPak simply wants to sell machines based on current Amiga technology, for which the only current market in America is high-end Toaster/Raytracing systems.

You almost point out the problem yourself, you want a PowerPC system, and this is something I doubt QuikPak would ever have been able to produce. It would require a large cash investment, not only to employee the programmers to port the OS but also the engineers to design the hardware, even using off the shelf parts. Gateway however, has the financial muscle to make things happen.

AMIGA "TAKE-OVER"

Reading Tom Broekmans letter from The Netherlands in issue 110, I couldn't help but comment. He asks "Why is the take-over taking so long ?" It is an unfortunate fact that it is in the liquidator's interests to drag the process out as long as possible because that is how they make their money.

On a more positive note, it would only take some sensible marketing and clever pricing, clearly aimed at the many families who still haven't got a PC only because they can't afford one, for the Amiga (1200 with a big hard drive and 8Mb of Ram - no need for acceleration) to gain a good hold again in the home computing marketplace.

That is definitely what should be done. Working as I do - on PCs for families that can afford them, don't really need them and can't use them - I go back home to my Amiga and wonder why they aren't using one of these!

We (as Amiga users) know what even the most basic machine is capable of, and it is time someone out there in the computer industry realised it and did something about it. There is a real need for an alternative to the PC, and we need it fast.

Kim Fyson, Kim@draught.demon.co.uk

I am very, very happy to be able to say the wait is finally over and the Amiga has been bought, as I am sure you all should be aware of by now. You are correct in saying that it is the job of the liquidator to get the best possible deal, as they are working on behalf of the creditors who want their money back, but in doing so they may have actually done the Amiga some good. A large company such as Gateway 2000 has substantial financial backing that could get some serious development underway, but that is something we can look forward to sometime in the future.

On your main point, I could not agree more, there is clearly a gap in the computer market that PCs do not currently fill, and perhaps never will. Due to the continuing growing hardware specifications of software and games, second hand PCs may always be under specced.

Thanks to the low hardware overheads of the Amiga's operating system, systems ranging from set top boxes, low cost home computers, all the way up to full blown file servers could be based and developed around the Amiga's operating system.

When it comes to the A1200, I think the hardware is woefully out of date - the display hardware being the main problem. On the whole, I do agree that an A1200 with hard drive, 8Mb Ram and an 030 would make a perfect home computer. Particularly if the bundle could be sold for £400. I still think the major stumbling block is the display, as 256 colours on-screen is the absolute minimum people expect and, lets face it, AGA can't cut the graphical display mustard (whatever that means).

Your first Windows

C Part 6 programming

Paul Overaa rounds up his introduction to the C language with intuition

Although I've only been able to cover a very small part of the C language during the last few months, it should have been enough to convince you that learning about the basic syntax requirements of C is not particularly difficult. This changes dramatically however as you move into Amiga specific areas of C coding. The reason? It's not C itself that's to blame - it's because there is a whole new set of Amiga system conventions to come to terms with.

One area that you will need to learn about straightaway is how to use the Amiga's libraries. With the exception of the exec library (which is always available), these have to be 'opened' using the exec OpenLibrary() function and if this returns a library pointer that is not zero, then the library is open and ready for use.

What does the code look like? Well, to open the Intuition library for example we'd use a statement like this...

```
IntuitionBase=(struct IntuitionBase *)
OpenLibrary("intuition.library",0);
```

IntuitionBase is a variable that we define elsewhere in the program. The (Struct IntuitionBase *) item is known as a 'cast' and in this case allows us to tell the compiler that it should view the value returned by OpenLibrary() as a pointer to a system structure called IntuitionBase. Casts do not alter the return values - they're essentially used just to keep the compiler happy.

After use, the program must close the library by using an exec CloseLibrary() function but of course neither this operation, nor any preceding use of any library functions, must be done unless the library opened successfully in the first place.

This is where the C language's 'not equal to' conditional test statement, !=, comes in handy. By testing the value of IntuitionBase after making the OpenLibrary() call we can guard against ever using a library that isn't open with code like this:

```
if (IntuitionBase!=0)
          {
          /* here we could do something */
          CloseLibrary((struct Library
*)IntuitionBase);
          }
```

The CloseLibrary() call, and any other statements written between these braces, will then only be executed if the returned library pointer is non zero (which in C terms is taken to indicate a 'true' condition).

WINDOWS

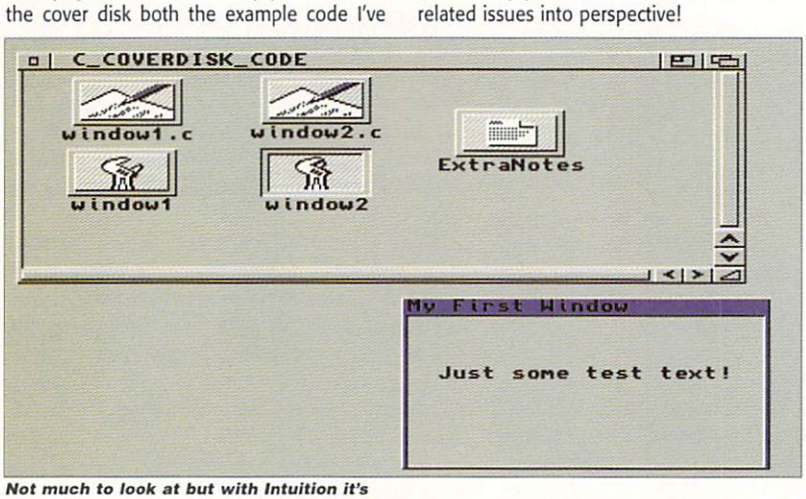
Listing 1 puts all these ideas together in a small program that opens the intuition library and then makes a call to a function called OpenWindowTags() which creates a window for us. The initial 'include' statements are references to header files that, amongst other things, contain prototypes which tell the compiler how various Amiga library functions are used. Parameters like WA_Left in the window opening call are known as tags and, coupled with the values supplied are the standard way of passing information to many Amiga library functions. The tags I've used set the position and size of the window, give it a title and indicate that the window should be given a drag bar (many more standard tags are defined in the Amiga system header files).

Intuition quite simply reads these tag values and then creates a suitable window. Normally an Intuition program would then monitor things like menu or gadget activity by requesting messages to be sent and it would terminate only when the user selected say a window close gadget or the 'quit' option of a menu. This 'event handling' approach, however, is far too involved for our example and so instead I've made use of the DOS library's Delay() function to provide a delay of about four seconds (this simply ensures that the window exists for long enough to be visible)!

Most startup code that compilers attach to Workbench runable programs, incidentally, opens the DOS library as a matter of course and this is why we did not need to explicitly open this library in our example code. At the risk of adding to the confusion here it's perhaps also worth pointing out that a number of Amiga compilers, including Dice C and Storm C, do in fact provide automatic library opening schemes which allow you to make library calls without explicitly opening the libraries in the way I've described.

AND THAT'S IT...

Well at least as far as this C introduction goes. But don't panic, there'll be plenty of other C tutorials popping up from time to time (plus a little extra C coding help on our Web pages). Needless to say you'll find on the cover disk both the example code I've discussed and a slightly extended version that makes use of an intuition function called PrintIText() to display some text in the window. You'll also find a few extra notes that should help put a number of other Intuition-related issues into perspective!



Not much to look at but with Intuition it's definitely best to start with something simple!

```
#include
#include
#include
struct IntuitionBase *IntuitionBase;
struct Window *window_p;
main()
{
IntuitionBase=(struct IntuitionBase *)OpenLibrary("intuition.library",0);
if (IntuitionBase!=0)
          {
          window_p=OpenWindowTags(NULL,
                    WA_Left,20, WA_Top,20,
                    WA_Width,200, WA_Height,100,
                    WA_DragBar,TRUE,
                    WA_Title,"My First Window",TAG_END
                    );
          Delay(200);
          CloseWindow(window_p);
          CloseLibrary((struct Library *)IntuitionBase);
          }
}
```

Listing 1: This has got to be about the simplest Intuition program that can be written!

MAGNUM
A1200 Expansion Cards

FREE OPUS 4.12 worth £50

FREE SOCCER MOUSE worth £19.99 while stocks last

Magnum RAM8 Card

Speed Increase of 2.3 times - 2.88mips ♦ Available with 0, 2, 4 or 8MB of 32-Bit RAM installed ♦ Uses Standard 72-pin Simms ♦ Optional PLCC Type FPU (floating point unit) ♦ Battery Backed Clock/Calender ♦ Finger CutOut to help Installation ♦ Trapdoor Fitting - doesn't void warranty ♦ 0-4mb - pcmcia compatible (for use with overdrive, squirrel etc.) ♦ Zero Waite State Design.

Magnum 68030/68040 & 68060 Cards

Speed Increase of up to 27 times ♦ 68030/40 or 60 Processor running at 33/40 or 50MHz (new Processor Chip - NOT Overclocked) ♦ MMU in all Processors ♦ '040 fits Standard A1200 - no problem & is supplied with a Heatsink & Fan ♦ Up to 32mb of RAM can be added ♦ Kickstart ReMapping ♦ Optional SCSI-II interface ♦ Can accommodate a 72-pin industry standard SIMM ♦ 68040/60 have built-in FPU, 68030 card has optional PLCC/PGA type FPU (Floating Point Unit) ♦ Battery Backed Clock/Calender ♦ Trapdoor Fitting - doesn't void warranty ♦ PCMCIA compatible so you can still use products such as OverDrive HD or CD/Zappo CD-ROM or Squirrel ♦ Zero Waite State Design.

LOWEST EVER PRICES!

FREE UK DELIVERY

	0MB	4MB	8MB	16MB	32MB
RAM8	£39.99	£69.99	£89.99	N/A	N/A
RAM8 & 33MHz FPU	£59.99	£89.99	£109.99	N/A	N/A
68030/33MHz & FPU	£89.99	£119.99	£139.99	£179.99	£249.99
68030/40MHz	£109.99	£139.99	£159.99	£199.99	£269.99
68030/40MHz & FPU	£129.99	£159.99	£179.99	£219.99	£289.99
68030/50MHz	£129.99	£159.99	£179.99	£219.99	£289.99
68040/25MHz (inc. FPU)	£199.99	£229.99	£249.99	£289.99	£359.99
68040/40MHz (inc. FPU)	£269.99	£299.99	£319.99	£359.99	£429.99
68060/50MHz (inc. FPU)	£399.99	£429.99	£449.99	£489.99	£559.99

SCSI-II Interface for the Magnum 68030/68040 & 68060 Cards - Supplied with software - **£79.99**

560DPI 3 BUTTON MICE & MATS
for all Amigas & Atari STs

FREE THIRD BUTTON DRIVER DISK

Award winning 560dpi Resolution ♦ 90% rating in CU Amiga

♦ Micro Switched Buttons ♦ Amiga/Atari ST Switchable ♦ All 3 buttons can be used with many programs such as Directory Opus 5

BEIGE or BLACK £12.99

MAT £2.99 or £1 with a mouse

BSB
Books & Videos

Insider Guide - A1200		£14.95
Insider Guide - A1200 Next Steps		£14.95
Insider Guide - Assembler		£14.95
Insider Guide - Disks & Drives		£14.95
Insider Guide - Workbench 3 A to Z		£14.95
Total! Amiga - Workbench 3		£19.99
Total! Amiga - AmigaDOS		£21.99
Total! Amiga - ARexx	NEW	£21.99
Total! Amiga - Assembler		£24.99
Mastering Amiga Scripts		£19.95
Mastering Amiga Beginners		£19.95
Mastering Amiga Printers		£19.95
Mastering AmigaDOS 3 - Reference		£21.95
Mastering Programming Secrets		£21.95
UK Comms/Internet		£14.95
**** STAR BUY ****		
AmigaDOS Pack		£34.99
Total! Amiga - AmigaDOS & Mastering AmigaDOS 3 - Reference Usually £43.94 - SAVE NEARLY £9		
A1200 Beginner Pack		£39.95
2 books (Insider A1200 & Next Steps), a 60 Minute Video, 4 disks of PD to go with the books/videos		
A1200 Workbench 3 Booster Pack		£39.95
2 books (Disks & Drives & Workbench 3 A to Z), a 90 minute Video, 1 disk & Reference Card		

GP FAX
Fax Software Solution for all Amigas with a Modem

Send Faxes to and from your Amiga. Even Fax directly from your application. Amiga Format Gold. Amiga Computing 9/10. Fax Compatible Modem Required £44.99

IMAGE FX 2.6
The Complete Image Processing Solution for all Amigas

The best Image Processing Package there is for the Amiga. Amiga Format Gold - CU Awards. Bubble Filter, Fire FX, Wireless Hooks, Shear & Straw modes, Enhanced Lightning Effects, FilmGrain Add/Remove, Liquid Distortion, Sponge Drawmode, Sparkle Effect & much more are in version 2.6.

2mb & Hard Disk Required £179.99

QUARTERBACK DISK SUITE
Quarterback 6.1 & Quarterback Tools Deluxe

The Classic QuarterBack 6.1 and QuarterBack Tools Deluxe are back on sale. Considered by most as *the* disk backup and disk recovery programs we have available the two packages combined at an unbelievable price (normally £79.99). Disk backup, Disk Recovery & Optimisation are two key tasks that just shouldn't be left to inferior PD alternatives.

Get the Best *Get the QuarterBack Disk Suite.* £34.99

SATURN
External 1Mb Floppy Drive for all Amigas

Compatible with ALL Amigas ♦ High Quality SONY Drive ♦ Robust Metal Case ♦ Anti-Cluck as Standard ♦ Enable/Disable Switch ♦ Low Power Consumption ♦ Thru Port for Extra Drives £39.99

Or £49.99 with PowerCopy Pro 3 - The BEST Backup System

PowerBox
250w Amiga Power Supply

NEW

Power-Up your Amiga with this 250w Enhanced Amiga PSU for little more than the price of a normal 25-30w Amiga PSU! Designed for A500/600 & 1200. Encased in Steel Subsystem, All Cables Supplied, Monitor outlet on back of PSU, Only Quality/New PSU's used, 3.5" & 5.25" power cable available to power external CD-ROMs, Hard Disks etc. £49.99

PRO SYSTEM
Complete A1200 Hard Disk Kits

FREE OPUS 4.12 worth £50

3 YEAR WARRANTY

Yes, at long last, a professional way to install a high capacity hard disk without cardboard & glue! Our packs offer you our exclusive and copyrighted Brack-It 1200 Fitting System & a choice of high speed/low cost hard disks.

Brack-It 1200 Fitting System

Designed to accommodate the newer drives on the market offering high capacity & speed at great prices. Our pack includes robust steel fitting brackets, all cables for power and data, Instructions & 7 disks FULL of HOT software such as Directory Opus 4.12 (worth £50), MUI 3, MCP, Galaga AGA, Virus Checker, Mods, ReOrg, ABackup and MUCH MORE. All software can be installed with our custom click 'n' go system. All drives are pre-installed with the system software & above disks - unlike others we provide the disks just in case!

FREE UK DELIVERY

1.0GB £149.99

1.2GB £169.99

Includes Brack-It System (norm. £35) & UK Delivery

REPAIRS
by Qualified Technicians

PRICES INCLUDE COLLECTION & DELIVERY

- All Amiga Computers Covered
- Prices from as little as £29.99
- Many repairs by Wizard require NO Parts
- Prices include Insured Courier *Collection & Delivery*, Labour, Full Diagnostics, Service, Soak Test & VAT.
- Fast Turnaround
- All Technicians are Fully Trained & Qualified
- Upgrades bought at same time fitted FREE!
- 90 days Warranty on all Repairs

All for just £29.99 + parts

Other Products

A500 512k RAM Expansion	£14.99
A500plus 1mb RAM Expan.	£19.99
A600 1mb RAM Expansion	£19.99
all with a FREE Opus 4 worth £50	
4mb 72-pin SIMM	£30
8mb 72-pin SIMM	£50
16mb 72-pin SIMM	£90
32mb 72-pin SIMM	£160
ALL SIMMs are NEW and have a 1yr Warranty	

EasyLedgers 2 - The ONLY full accounts package, Ledger Based accounts system, Amiga Format Gold *CALL ABOUT TRIAL OFFER* Hard Disk & 2mb RAM Required £119.99

33MHz FPU Kit - PLCC type FPU & Crystal - will fit most cards - call to confirm. £29.99

Disks

50 Disks & Colour Labels	£14.99
100 Disks & Colour Labels	£24.99

PC TASK 4.0
Advanced 486 PC Software Emulator

NEW

At last, the long awaited PC Task 4.0 is now shipping featuring:- Advanced 486 software only emulation, Dynamic Compilation for faster emulation, up to 16mb accessible under MS-DOS, MDA, CGA, EGA, VGA & SVGA supported, up to 256 colours on AGA machines, CyberGraphics support, Multiple hard disk files and partition supported, CD-ROM and High Density drives supported, Run MS-DOS applications in a windows on your Workbench! Run Windows 3.1 in Enhanced mode! many times quicker than version 3.1!

Requires Kickstart 2.0 and a 68020 processor or better.

CALL ABOUT UPGRADES £69.99

TURBOPRINT 5
Printer Enhancement Software

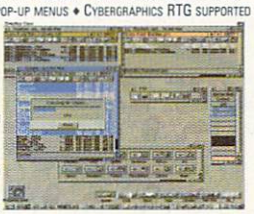
NEW

If you have a printer - you MUST get TurboPrint. It radically enhances the printouts you normally get by replacing the Amiga Printer System with the Faster and Visibly Better TurboPrint System. Options include Poster Printing, Colour Correction, Dithering, Colour Balancing, On-Screen Preview and Much More... Most printers are supported -call to check. STOP PRESS - Version 5 now includes "Graphics Publisher" to load multiple pictures, individual colour correct, rotate, twist and more. Enhanced TrueMatch colour correction, New drivers for HP, Cannon & Citizen models. £49.99

CALL ABOUT UPGRADES

DIRECTORY OPUS 5
Workbench Replacement & File Management System

The best just got better! After 12 months of further development Opus 5.5 is now ready and shipping. Stunning new features include:- ♦ Icon Action Mode ♦ Workbench Replacement Mode dramatically enhanced ♦ OpusFTP capability to access Internet FTP sites with a lister ♦ Borderless Button banks ♦ Filetype-specific pop-up menus ♦ CyberGraphics RTG supported ♦ Independent HotKeys ♦ Script system to execute commands upon events ♦ Multiple custom menus with sub items ♦ Automatic Filetype Creator to create and test Filetypes with ease



♦ A font viewer ♦ Listers fields for titles, re-sorting by fields, plus a 'version' field ♦ Colour re-mapping of button/icon images with support for 'Magic Workbench' etc. ♦ Selectively hide unwanted drive icons ♦ Clipboard support for cut, copy and paste in gadgets & Listers ♦ Resize, Iconify, and scroll busy Listers while busy ♦ Icon and Lister snapshots are stored separately from Workbench - so you could snapshot your CD-ROM icons! ♦ Listers can now display a background picture/pattern ♦ Internal Opus CLI to quickly test commands & ARexx scripts ♦ Many new internal commands and many new ARexx commands have been added or extended with new features. You can now even add your own internal commands!

Workbench 2+ & Hard Disk Required

VERSION 5.5

£49.99

WIZARD DEVELOPMENTS
ORDER HOTLINE

FREE UK DELIVERY

01322-527800

OR FAX 01322-527810

CONTACT US ON INTERNET SALES@WIZARD-D.DEMON.CO.UK

BETWEEN 9AM AND 5.30PM, MONDAY TO SATURDAY, TO PAY BY CREDIT CARD. TO PAY BY CHEQUE OR POSTAL ORDER PLEASE SEND YOUR ORDER TO - WIZARD DEVELOPMENTS, PO BOX 490, DARTFORD, KENT, DA1 2UH

Cheques should be made payable to WIZARD DEVELOPMENTS. Prices include VAT & carriage to the UK mainland. Please add £5 to your order for EC destinations and £10 for other countries. All products are subject to availability. E&OE. Advertised prices & specification may change without notice. All sales are subject to our trading conditions - copy available on request.

ENTERPRISE
DeskTop Workstations for all Amigas

Single Workstation 507 x 95 x 315mm £24.99

Double Workstation 507 x 155 x 315mm £29.99

Wide Workstation 665 x 95 x 315mm £29.99

All Sizes are W x H x D

£5 OFF for a limited period

Karl Jeacle takes a look at the future of Java and the Amiga

Coffee and cre

Spring 1995 saw the launch of Sun Microsystems' new portable programming language, Java. It took some time before multi-platform support became available, and it established itself as a technology that could bring interactivity to the WWW. Two years later, Java is still a buzzword in computing magazines and people are starting to realise that it has potential to do a lot more than just run applets on Web pages.

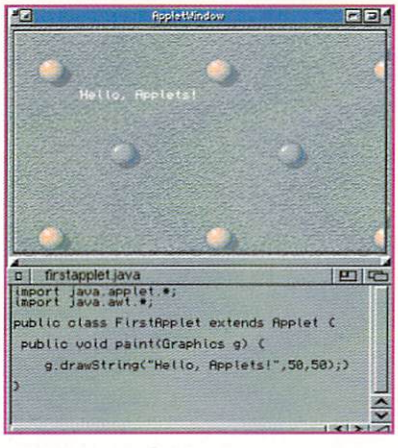
There is an incredible amount of hype surrounding Java. Once you wade through all this dross, however, you realise that while Java has great potential, it is really nothing more than a programming language.

JAVA OVERVIEW

There are a number of features which make it stand out from all the other languages out there, but probably the most important aspect of the language is Sun's push to make Java code as portable as possible. The idea is that Java code can be written and compiled on any machine (that has a Java compiler) and the resulting executable can be run on any machine that has a Java runtime engine. Sun call this 'write once, run anywhere'.

This is achieved by not compiling Java code into a native binary executable for a particular CPU architecture e.g. Intel x86 or Motorola 680x0, but into a bytecode for a 'virtual machine'. This machine can be thought of as a machine which has a Java CPU instead of an Intel or Motorola processor.

Because the world is not full of machines with Java CPUs, we need a piece of native software on our computers to emulate this imaginary Java CPU. This piece of software is called a Java runtime engine or Java Virtual Machine (JVM).



A basic Java applet running under the KOFFIE JVM

The JVM's job is to emulate a virtual machine running a Java CPU. When Java was launched there was obviously no such thing

THE FUTURE

It looks as though Java is here to stay, for the foreseeable future at least. Sun wants the language to be ubiquitous. Its range of Java chips allow everything from toasters to workstations to support or make use of Java in one form or another.

If Java continues the way it's going right now, the advent of native Amiga Java support could breath new life into the machine. The number of applications available to Amiga users could literally double overnight.

Leading software companies such as Corel are releasing Java based versions of top applications. Java's portability means reduced development costs for maintaining separate PC and Macintosh ports. The advantage to Amiga owners is that this increased ease of portability could lead to many big name applications suddenly running on the Amiga.

Java is still a buzzword in the computing industry. All the major platforms now have Java ports. Given the recent state of affairs in the Amiga world, it's no surprise that an Amiga port isn't quite there yet, but at least a number of initiatives are underway.

If nothing else, the Amiga is a survivor. I'm optimistic that in the not too distant future Amiga users will be actively developing and running Java applets and applications natively, no matter what kind of Amiga they own.

The building blocks of freedom

Sun claim their line of Java chips will free users from being tied to conventional CPUs

am

as a Java computer. However, Sun is now shipping real Java CPUs, so before long, many machines may have Java co-processors on board, to handle Java code natively, in addition to a conventional CPU for existing applications.

So in theory it shouldn't matter what kind of computer you have to run the latest greatest applications - as long as they are written in Java. Application developers should be free to develop code on any platform which can generate Java bytecodes, and this code should, in turn, run on any machine that has a Java runtime engine.

COMPILERS

At present, the only Java compiler available for the Amiga has come from Fred Fish's ADE (Amiga Development Environment) initiative. It's a port of the Unix GNU program, guavac. As with many Unix programs, there is no fancy front end. You just run it from a CLI prompt and tell it what Java files to compile.

As far as programming is concerned, Java is very similar to C++. If you have already programmed in C++ or have C experience with a knowledge of object oriented principles, you should be able to pick up Java quite quickly.

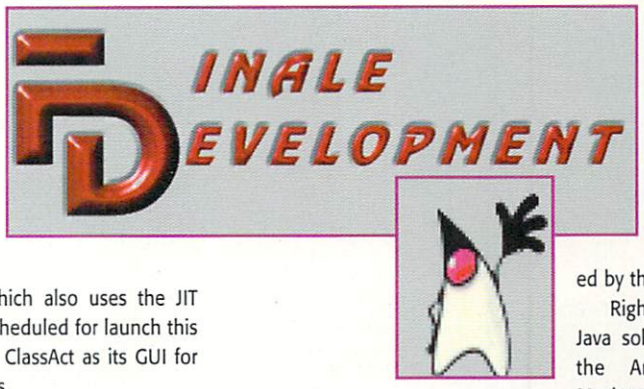
RUNTIME ENGINES

P'Jami was the first attempt at porting Java to the Amiga, but unfortunately this project seems to have fallen by the wayside. In recent months, however, a number of new projects have appeared that are all working independently to create a fully functional Amiga JVM.

Kaffe is another ADE Unix port, and is already an established JVM on many other platforms. It attempts to implement the JVM by using a Just-In-Time (JIT) compiler. The idea here is to do some smart pre-compilation and convert Java bytecodes into native machine code on the fly so as to increase the speed of the interpretation process. A normal JVM will simply convert each bytecode instruction it receives on an individual basis, and is thus a rather slow process.

Finale Development is an up and coming Amiga developer that has announced MOca, a native Amiga JVM which also uses the JIT technique. MOca is scheduled for launch this summer and will use ClassAct as its GUI for running Java programs.

KOFFIE is a Freeware Amiga JVM written by Jacco van Weert. Beta versions are available on Jacco's Web site. KOFFIE is based on a system called BEAST which offers programmers an environment for developing object oriented programs using any language. For the OO literate amongst you, KOFFIE implements Java classes as BEAST classes, which means you could develop code in C or C++ with BEAST, but still make use of the functionality provided by the Java APIs.



Right now, the only full Java solution available on the Amiga is via a Macintosh emulator such as ShapeShifter. You don't have to use the Mac exclusively though, it's possible to compile applets on the Amiga with guavac and then flick screens to the Mac where you can use either the Sun or Apple Java Development Kit (JDK) to run the applet. AC

JAVA RESOURCES

It's no surprise to discover that the best place to look for more information on Java is on the Internet, so below are some useful URLs which should tell you more about everything discussed in this article.

Finale Development MOca
http://www.finale-dev.com/

KOFFIE
http://www.IAEhv.nl/users/weertj/KOFFIE/KOFFIE.html

Amiga Java Page (P'Jami)
http://www.sss.co.uk/~nt/hotjava.html

Fred Fish's ADE
http://www.ninemoons.com/products/ade.html

Guavac
http://http.cs.berkeley.edu/~engberg/guavac/

Kaffe
http://www.kaffe.org/

For more information on Java in general, check out Sun's own Javasoft site. It has all the specifications, white papers and latest information on what's hot in the Java world. If you're looking for Java applications, or libraries of code to help you write Java applets, Gamelan is for you.

Javasoft
http://www.javasoft.com/

Gamelan
http://www.gamelan.com/

There are many books on Java now available, although most are aimed at programmers. If you want more general information on Java, by all means go to your local bookstore, but you'd be far better surfing the Web for articles, press releases and product reviews. If you're thinking of buying a Java book, an invaluable guide to some of the books available is at: http://sunsite.unc.edu/javafaq/books.html

If you are buying a book, make sure it covers the recently released version 1.1 Java language specification and not the older, more common 1.0.2 release.

Despite the flexibility of Java as a general purpose programming language, its Internet popularity means that Web browsers are most likely to be the first Amiga applications to make use of Java.

Because of the amount of work involved in creating a JVM, Amiga Web browsers will probably provide Java support by using one of the existing Amiga JVM ports. Yvon Rozijn, author of AWeb, has indicated that this will be the path he will follow, and as soon as a suitable JVM is available, he will incorporate it into AWeb. No doubt other browsers such as iBrowse and Voyager will follow suit.

Finale Development's Web Cruiser (which should be available by the time you read this) is the latest Web browser on the block. In addition to the usual array of features, such as HTML 3.2 and Frames, Finale claims that Web Cruiser will support inline Java applets as soon as its MOca JVM is available (2nd quarter 1997).

Wide acceptance of Java on the Internet guarantees Java a solid future as a language

SPECIAL STAR WARS SOUVENIR EDITION

Free poster
Actual size
841mm x
594mm

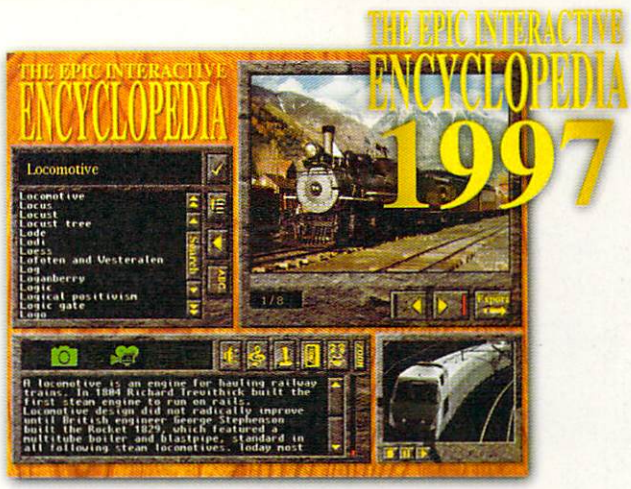
Issue seven out now, with *FREE* *STAR WARS* double-sided poster and *EXCALIBUR 2555* guide book

AMIGA®

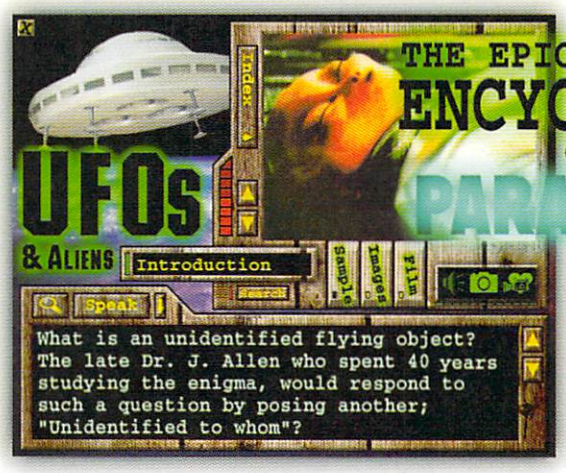
Definitely **BACK FOR THE FUTURE**

WHEN YOU HAVE A *POWERFUL* MULTIMEDIA AMIGA, YOU WANT *POWERFUL* MULTIMEDIA SOFTWARE.

The new Epic Interactive Encyclopedia '97™ includes over 16,000 articles, 4,000 images, 200 sound clips, 200 film-clips, 3 search engines, over 1,000,000 words, National anthems, the ability to create your own articles, export any text/images, guided tour, Kid's Explorapedia™ and more.



RRP: £29.99



The new Epic Interactive Encyclopedia of the Paranormal is an exciting new Amiga multimedia CD-ROM. It covers all aspects of the unexplained from UFOs, Aliens, Sea Monsters, CropCircles, Strange Life, and Ghosts etc. This is the world's first ever Amiga CD to feature Audio/Video Interleave film footage (AVI). It also features hundreds of high quality samples, hundreds of exclusive never before seen UFO images and more.

RRP: £19.99

Order now on **0500 131 486** FREE

Also available from all leading Amiga Software stockists including:

Weird Science 0116 234 0682 - **First Computer Centre** 0113 2319 444 - **Power Computing** 01234 273 000
HiSoft 0500 223 660 - **Sadeness Software** 01263 722 169 - **Capri CD Distribution** 01628 891 022
Siren Software 0500 340 548 - **DJ Software** 0121 382 7227 - **CD Soft** 01702 306060
Gasteiner 0181 345 6000 - **Direct Software UK** 01623 759 498 - **Epic** *(Austrailia)* (02) 9 5209606

Minimum system requirements: AGA Amiga (A1200/A4000) 4mb ram - 6mb recommended, Hard drive and CD-ROM drive. E&OE

EPIC MULTIMEDIA AMIGA SOFTWARE

43 Akers Way, Swindon, Wilts. UK
Tel: 01793 514188 Fax: 514187

Back issues

UK only

Missed an issue of Amiga Computing?

Do not fear! Simply fill in the coupon and one will be winging its way to your doorstep!

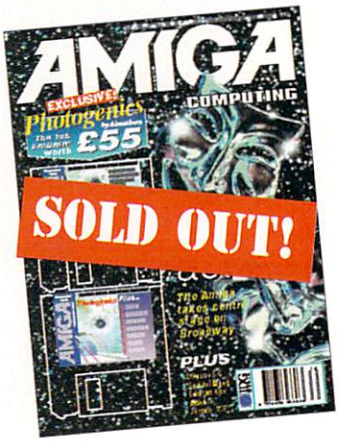
Issue 98 – April 1996
Making Movies – your guide to Amiga desk-top video, Final Data, Ethernet Special, Digital Quill
On the Disks: Capital Punishment, Utilities Unlimited II

Issue 99 – May 1996
Beginners Guide to what's on the Net, Hard Drive Round-Up, Modeller 4.0
On the Disks: MUI 3.3, Tooled Up!

Issue 100 – June 1996
Build your own Amiga sound studio, 100 Issue Birthday Celebrations, Modem Round-Up
On the Disks: Storm C

Issue 103 – September 1996
Secure your system from viruses and hard drive meltdown, monitor round-up, Photogenics 2, Tower Special
On the Disks: IBrowse/Tool Time

Issue 105 – November 1996
Future Designs - the main player's plans for the Amiga, IBrowse, Storm C, Image FX 2.6, DKB Wildfire 060
On the Disks: Doopsi/ToolTastic

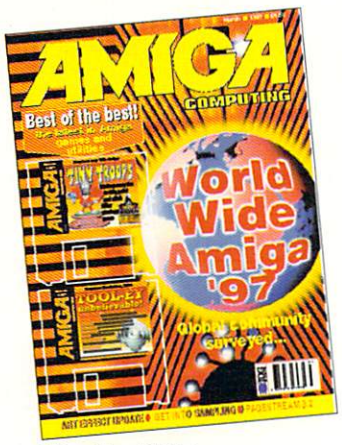


Issue 106 – December 1996
The Amiga's role in theatre, DOpus 5.5, Squirell MPeg, AWeb-II
On the Disks: Photoegnics - full program

Issue 107 – Christmas 1996
The best Christmas presents for Amigaphiles everywhere, Worms, Director's Cut, Draco update, Golden CD (3 Disks) On the Disks: Jet Pilot/DrawStudio/SlipStream

Issue 108 – January1997
Get online with your Amiga, latest modems rounded-up, Draw Studio
(3 Disks) On the Disks: Bubble & Squeak - full program/ Utilities Unleashed

Issue 109 – February 1997
Multimedia Madness, Personal Paint 7, MediaMagic, Viscorp announcements
(3 Disks) On the Disks: XTreme Racing - full program/PCX



Issue 110 – March1997
Exclusive - global Amiga community surveyed
Art Effect Update, Get into Sampling, Pagestream 3.2
On the Disks: Tiny Troops/Tool-ey Unbelievable!

Issue 111 – April 1997
LightWave 5, Cinema 4D v3, Voyager NG, Disk Magic, Web explosion
On the Disks:TurboPrint 5, PC-Task 4

Issue 112 – May 1997
Making money with LightWave and your Amiga. Amiga on Holiday, Epson Stylus 500, PC Task v4.1
On the Disks: Monster Utilities Special

Back issues order Form

Simply send a cheque or postal order for just £4.50 made payable to IDG Media.

The magic address is Amiga Computing Back Issues, IDG Media, Media House, Adlington Park, Macclesfield, SK10 4NP.

Please allow up to 28 days for delivery.

❑ Issue 97 - March 1996	**£4.50**	❑ Issue 105 - November 1996	**£4.50**	❑ Issue 110 - March 1997	**£4.50**
❑ Issue 98 - April 1996	**£4.50**	❑ Issue 108 - January 1997	**£4.50**	❑ Issue 111 - April 1997	**£4.50**
❑ Issue 100 - June 1996	**£4.50**	❑ Issue 109 - Feburary 1997	**£4.50**	❑ Issue 112 - May 1997	**£4.50**

Name _____

Address _____

_____

_____ Post code _____

Tel _____

☐ *Please tick if you do not wish to receive further information or special offers.*

acas

amiga computing advice service

Don't know who to vote for in the elections?
Vote ACAS for a trouble free Amiga life

MPEG DATATYPE PROBLEMS

I am in trouble! I have an A1200 with 68030 and 68882 plus 16Mb Simm memory. I want to run Mpeg animations in a Workbench window. The easiest way of doing this is find an Mpeg data type I could use with MultiView. This I did, getting the Mpeg data type from Aminet. After reading the documentation I now find that I need the following:

```
Animation.datatype
Realtime.library
Tapedeck.gadget
```

I believe that all these files are part of the Workbench 3.1 release. I only have Workbench 3.0, so where can I get these files from?

Jim McHugh, jamesm@apricot.mee.com

It seems you have diagnosed your own problem. As the Mpeg data type is a subset of the animation data type class, you need this before you can use the Mpeg player. The tape deck library handles drawing the control tool bar that it uses and the real time library, I think, handles the spooling of animation data from the hard drive.

Unfortunately, the only legal way to get hold of these files is to buy the Workbench 3.1 upgrade kits as they were never released separately. The bad news is that these kits are not cheap, the even worse news is that current stocks are very low.

Seeing however, that Gateway has now taken over Amiga Technologies, perhaps we could see a Workbench 3.1 upgrade kit for current 3.0 users, and perhaps the bugs in the original version can be taken out too. Otherwise the only other way is if you had a friend who had the 3.1 disks, and they were to perhaps loose those disks for a while...

There is a Mpeg player out there, and very good it is too

EN PRINT

I'm interested in buying an Epson Stylus 500 or possibly the new 600. I know there are a number of software packages available to allow the top 720dpi or 1440dpi printing resolutions, but I'm not sure exactly what is best suited to a 2.04 Amiga.

I believe EnPrint is a much cheaper option than Studio II, and then there is also TurboPrint. Any advice regarding this and where I can obtain EnPrint would be very welcome.

Boz, bodymelt@bbs.paralex.co.uk

EnPrint was reviewed back in issue 105, along with the Epson Stylus 500. At the time it got 84 per cent, as it was producing print results comparable to TurboPrint. What you have to remember is that Studio II and TurboPrint are generalised print managers, so will work with any printer that you have a print driver for. EnPrint, however, only works with the Stylus range of Epson printers, so is a little cheaper. EnPrint is an American product but is available in the UK through EyeTech, ring 01642 713185.

AREXX

Hi folks, tiny problem really and I feel stupid asking. When I run OctaMED SoundStudio, a requester comes up and says it can't find the ARexx port. The only option is "Proceed" which when clicked still allows the program to continue. What am I doing wrong or what can I do to get rid of this annoying little requester.

Stuart Smith, 106413,2104@Compuserve.com

The only thing I can think of is perhaps you have not run RexxMast, which is the server program that runs ARexx scripts. Even so this should not stop SoundStudio running, but it is worth a try. RexxMast is found in the system drawer on your Workbench drawer, just drag it over to your WBStartup or you can add it to your user startup.

AMIGA PROBLEMS

I have an Amiga A500 with a GVP Series II 40Mb HD, two external disk drives, one being a high density drive, and 5Mb of ram (1Mb being chip).

The problem is that my Amiga crashes in a major way. After the computer has been on for a period of time, only half an hour in some cases, the internal disk drive starts searching for a disk. This is then followed, after another five minutes or so, by the screen colours playing up. Large patches of red, green, blue and sometimes yellow appear. This is followed by the picture disappearing altogether, almost as if it weren't tuned into the TV set (the Amiga is connected to a TV via a modulator).

When the picture finally disappears the sound starts to play up, until nothing can be heard. What I find strange is that if I connect the computer up to a TV through the B/W video output, the picture is fine! However, the other problems persist. Could it be one of the controller chips that is causing all these problems? Could you also tell me why the Amiga is so slow at printing, compared to a PC?

Paul Ellis, P.H.Ellis@Sheffield.ac.uk

Sounds like your Amiga is broken to me! However, the B/W output you refer to is actually called the composite colour output. If you have a television that has a composite input, they look like normal audio plugs, you could get away with using this. I think the composite output works separately from the main RGB output. The other possibility is that the modulator is broken, in which case this could be fixed with a £35 bit of kit, in the form of a replacement modulator. Unfortunately I don't know of a way to test if the modulator is working correctly except for trying it on another Amiga.

Unless you compare your A500 against a 7MHz 286, a PC is always going to be faster, even a crappy 486 is going to be 40 times faster than your A500, and is the main reason why they print so much faster.

A500 HELP NEEDED

Hi there, I currently have an Amiga 500, that doesn't go. I'm not completely certain at this stage, but I assume the power supply has gone.

Could you let me know an address on the Net for both, diagrams for the power supply, and diagrams for the Amiga? Or possibly any good Amiga sites that might help me to get this A500 going? The Amiga 500 is a 1990 model, with a fat Agnus.

Dave, orchisda@ee2.ee.cit.ac.nz

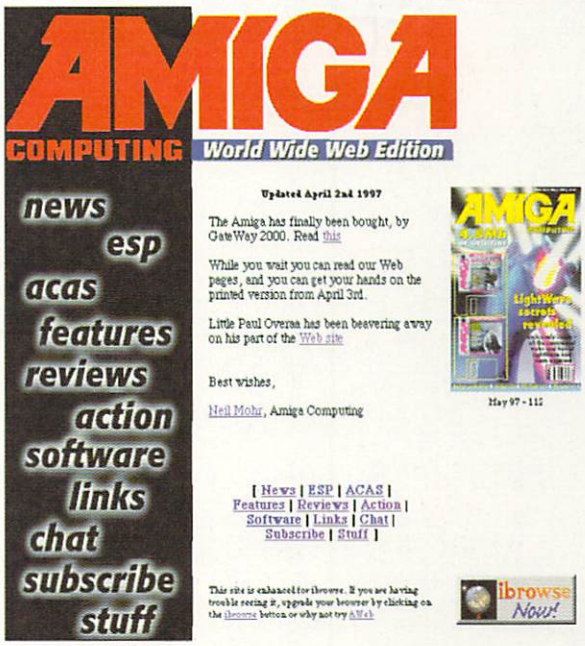
I never like it when people talk about power supplies, wiring and diagrams. I always get a vision of the person's skeleton lighting up like they do in cartoons.

To be honest, I do not know of any sites that have exactly what you are looking for. Amiga Computing's own site has a good selection of Amiga, general computing and other interest sites, just point your browser at http://www.idg.co.uk/amigacomp/ and follow the links button.

Of course, if you are searching for specific Amiga links, you can't go wrong by using either the Web Directory http://www.cucug.org/amiga.html or AmiCrawler http://www.amicrawler.com/.

The one place that I have come across that may be of use is the HardWare book at http://www.blackdown.org/~hwb/hwb.html that keeps a list of all sort of computer diagrams and cable pin outs.

One more place worth a look is Aminet, in the hard directory you will find all sorts of documents describing projects and upgrades you can perform on your Amiga. It may be you will be able to track something down of use. The best way to find something in Aminet is to either download the complete index file from the root of the Aminet directory, or get the specific index from which directory you are interested in. One final way would be to use the Aminet search page at http://harvest.tu-clausthal.de/AmiNET/.



There is a Mpeg player out there, and very good it is too

A600 EXPANSION

I would like to know if it is possible to upgrade an A600 by putting more than 1Mb on the trapdoor edge connector? I have a board which claims to take standard Simms so what is stopping me putting 4x2Mb in instead of 4x256K? I have been told that the computer can only address 1Mb via this connector, but vaguely recall 1.5Meg upgrades being available for the A500, am I mistaken?

Also, I recently bought a second hand hard disk, encountering the under-publicised Kickstart bug with Rom versions 37.299 and under, in that my computer failed to notice that it had an IDE interface. Virtually no-one is aware of this fault, and people in computer shops were telling me it was because I didn't have the right software etc. etc. A new ROM (admittedly at £20) was all that was needed. Let this be known.

P.J.Moore, P.J.Moore@uea.ac.uk

I do remember that there were memory upgrades for the A600 that let you go beyond the 2Mb limit, but as to whether they required you to modify the A600 at all, I couldn't say. If you do try fitting the other Simms, at best, you will probably be wasting your money and at worst, could damage your A600.

Another option, and a way to increase your memory is to buy one of the A600 accelerator boards that have appeared over the last year. One was produced by Apollo and the other by a German company called M-Tec and, to be honest, the German version was better, due to the fact it fitted over the original A600 processor much more securely.

Going for the accelerator will not only give you a much faster A600 (I think the M-Tec was a 40MHz 030) but also, as they take normal memory Simms, up to 8Mb can added. If you want to contact M-Tec you will have to call them in Germany on +49 (0)2041 4656.

As for the A600 hard drive problem, I did know about that, you have to get up pretty early in the morning to get one over on us, well about eight o'clock should do. You were pretty unfortunate, as apparently only the first batch of A600s where shipped with the ROM that did not support the internal IDE interface. Blame Commodore that's what I say.

Do you have a problem? Do you sometimes find yourself poised over your Amiga with axe in hand, spouting profanity at the stubborn refusal of your software or hardware to behave in the correct manner?

Well, calm down and swap the axe for pen and paper, jot down your problems, along with a description of your Amiga setup, and send it off to Amiga Computing Advice Service, IDG Media, Media House, Adlington Park, Macclesfield SK10 4NP. Alternatively you can e-mail us at ACAS@acomp.demon.co.uk

DISK CONVERSION

I have an old Amiga 2000 and wish to convert some Amiga word perfect files to files I can run on my Pentium. I now have Microsoft Word and Windows 95. While I know there are programs like CrossDos, the Amiga will not write to high density disks - the only type my PC will take. Do you know of any solutions to this problem or commercial companies who can make conversions of this type?

Sharon Levinsky, kiwi@ns.net

True enough, the Amiga cannot read HD disks, but the PC should still be able to read normal double density PC formatted disks, and with CrossDos, your Amiga can as well. In Windows 95 when you format a floppy disk there is a pull down menu that allows you to select how the disk should be formatted, using this just select 720k. Now with CrossDos you can copy files on the Amiga side.

Another solution would be to transfer the files using a serial cable and the appropriate comms software. Using a null modem cable connected to your Amiga and PC. On the Amiga side, a program such as Term or NComm would do the trick and you would need a similar terminal program on the PC.

Using ZModem transfer you will be able to move files from one computer to the other over the serial cable. The option if you need to regularly use your Amiga and PC together is the Siamese system reviewed this issue.

GVP RAM!

In your reply to T. Broekmans in the March issue, you imply that he needs the special GVP ram from Power or M-Tec. Well he doesn't, the GVP HD8 uses bog standard 30 pin Simms available from any supplier (I know as I have one in my 2000). The special GVP Simms are only for the GVP Accelerators!

Steve Whalley, stevew-3d@insight-media.co.uk

Thanks Steve, I'm not completely infallible and my apologies to Mr Broekmans.

Casablanca

Digital Video Editing For Everyone

A Unique Video Editing Product
No Computer Required
Amazing Picture Quality
CD Quality Stereo Sound
Professional Effects & Titles
Fast, Affordable and Compact
Optional MiniDV / FireWire Module

From £ 1,999

What Is The Casablanca?

Casablanca is a device which allows anyone to edit video, simply, and in a non-linear fashion. It works by recording video scenes from a camcorder, on to an internal storage module. The scenes can then be trimmed, split into shots, and re-arranged at will. You can also add transitions between scenes, and professional image processing effects, plus new soundtracks, slow, quick or reverse sequences.

So, How Does It Work?

Casablanca connects between your camcorder and video recorder. You don't need any special monitor, as you can use your existing television. Using a Casablanca requires no computer experience. The controls and displays are clear, simple, and easy to understand. All video and sound information, plus effects and transitions are held on the storage module.

What Models Are Available ?

Casablanca is available with a choice of three storage modules. Module 2 can hold 31 mins of VHS, 16 mins of SVHS, or 10 mins of DV quality video. Module 4 offers double those storage times. Module 9 can hold 140 mins of VHS, 72 mins of SVHS, or 47 mins of DV quality video. The storage module is removable, and additional ones are available. This allows you to work on multiple projects simultaneously.

Technical Specifications

Full Motion JPEG Compression, CCIR601 Resolution (720x576 Pixels) at 50 Fields/sec. Internal capacity from 10 minutes to 4.7 hours, external storage expansion will give between 2.2 and 15 hours, depending on quality. Composite & Y/C Video in and out, on front and rear. RGB out via SCART on rear. Optional FireWire (P1394) module for connection to MiniDV camcorders with digital output (eg. Sony). 3 Tracks of Stereo audio, 16-Bit resolution at upto 44KHz sample rate.

Where Can I Get More Details ?

Casablanca is available from a number of specialist video retailers around the UK, and is also available by mail-order from Britains favourite ***AMIGA*** supplier :-

White Knight Technology

If you would like a Casablanca brochure, please call.

Tel : 01920 822 321 or Fax : 01920 822 302

Casablanca is distributed by DraCo Systems UK Limited

A sister company to White Knight Technology

White Knight Technology

AMIGA & Video Editing Specialists

PO BOX 38, WARE, HERTS, SG11 1TX

Phone 01920 822 321
9.30 - 5.30 Mon - Fri

WE ACCEPT Mastercard, Visa, Delta and Switch
2.5% Surcharge on **Credit** cards, **Not** Switch / Delta

Delivery From £ 5

Email White_Knight_Tech @CompuServe.Com

Fax 01920 822 302

All Prices Include VAT @ 17.5%

A4000/T Accelerators

CYBERSTORM MK2

68060, 50MHz	£ 509
68040, 40MHz	£ 319
SCSI Controller	£ 89

A1500/2000 Accelerators

BLIZZARD 2060 & 2040

68060, 50MHz + SCSI	£ 525
AmigaOS 3.1 for 2060	£ 89
68040, 40MHz + SCSI	£ 309

A1200 Accelerators

BLIZZARD 1260 & 1240

68060, 50MHz	£ 429
68040, 40MHz, Needs tower	£ 245
SCSI Controller	£ 85

24-Bit Graphics Cards

CYBERVISION 64/3D	£ 205
CV 64/3D Scandoubler	£ 75
CV 64/3D MPEG Decoder	£ 155
PICASSO IV + F/Fixer	£ 299

Monitors

17" Microvitec 1701	£ 479
14" Microvitec 1402	£ 259
14" Microvitec 1438S	£ 289
17" Hi-Res SVGA	£ 529
15" Hi-Res SVGA	£ 259
14" Hi-Res SVGA	£ 209

Genlocks

LOLA 2000	£ 349
LOLA 1500	£ 175
RENDALE 9402	£ 295
RENDALE 8802-FMC	£ 145

Video Digitisers

VLab Y/C Int. Last Few at	£ 199
VIDI 24 RT PRO Ext.	£ 249
VIDI 24 RT Ext.	£ 149

Networking

AMIGANET Ethernet	£ 179
ARIADNE Ethernet	£ 179
AmiTCP/IP Software	£ Call
LIANA Parallel 2m	£ Call

Hard Drives (3.5") Bare

2.1Gb SCSI-2	£ 329
4.2Gb SCSI-2	£ 749
9.1Gb SCSI-2	£1299
1.2Gb E-IDE	£ 179
1.6Gb E-IDE	£ 195
2.1Gb E-IDE	£ 215
2.5Gb E-IDE	£ 249
3.1Gb E-IDE	£ 285

Memory SIMMS

4Mb, 72 pin, 70ns	£ 25
8Mb, 72 pin, 70ns	£ 45
16Mb, 72 pin, 60ns	£ 89
32Mb, 72 pin, 60ns	£ 159

Cartridge Drives (SCSI)

ZIP 100Mb Ext. + Cable & Term	£ 155
ZIP Disks (x 5)	£ 79
JAZ 1Gb Ext. + Cable & Term	£ 465
JAZ Disks (x 3)	£ 255

CDROM Drives (Bare)

4 x Speed SCSI-2	£ 99
6 x Speed SCSI-2	£ Call
8 x Speed SCSI-2	£ 159
6 x Speed ATAPI / IDE	£ Call
8 x Speed ATAPI / IDE	£ 95

CD Writers (Bare, No S/W)

Philips CDD2600, SCSI	£ 349
HP 6020i, SCSI	£ 399
Master ISO CD-R Software	£ Call

Software

SCALA MM400	£ 199
SCALA 400 + ECHO	£ 299
TV Paint 3.6 (needs CybergraphX)	£ 749
ART EFFECT	£ 149
MAINACTOR BROADCAST	£ 165
DIAVOLO BACKUP PRO	£ 69
AMIBACK 2 Backup S/W	£ 39
CLARISSA Professional V3	£ 179
ADORAGE V2.5	£ 109
MONUMENT DESIGNER V3	£ 225
MONUMENT CREATIVE CD	£ 59
ANIMAGE V1	£ 99
AMIGA OS 3.1 A500/1500/2000	£ 89
AMIGA OS 3.1 A3000/3000T/4000	£ 99

Miscellaneous H/W

OKTAGON SCSI card	£ 89
AT-BUS 2008 IDE card	£ 89

Specifications ? or Advice ?

If you need technical details on any of our products, or advice on the most suitable items for your AMIGA, then call us on **01920 822 321**

White Knight Technology only deal with Amiga's, and are reknown for excellent product knowledge, service & honesty.

If You Still Need Us, Then We're Still Here

Always Call First To Verify Price & Availablility Before Placing An Order

E & O E - 11/03/97

public sector

Normal service is resumed: Public Sector is back to its usual four page format this month, stuffed to the gills with the best in public domain and shareware software.

As usual, if you see a program in these pages which is listed as available from Aminet but you don't have the luxury of an Internet connection, don't worry. Several PD libraries offer a downloading service – for instance, OnLine PD will supply 830k of downloaded archives on a disk for a very reasonable £1.50.

If you do have an Internet connection, don't forget that the Public Sector Web page contains details all the programs reviewed in these pages since issue 79. To take a look, point your browser at http://www.dcus.demon.co.uk/sector/sector.html or follow the Software link from the Amiga Computing homepage.

Dave Cusick has hair on his big toes. Is that a sign of intelligence or what?

WITNESS REMIX

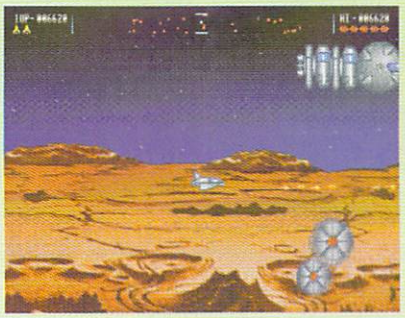
GAME OF THE MONTH

Produced by: David Serafim
Available from: Classic Amiga Software
Disk No: GA69

This is the sort of game that makes PD reviewing worthwhile. A horizontally scrolling, graphically excellent blasting frenzy, Witness Remix is slick, exciting and absorbing in equal measures.

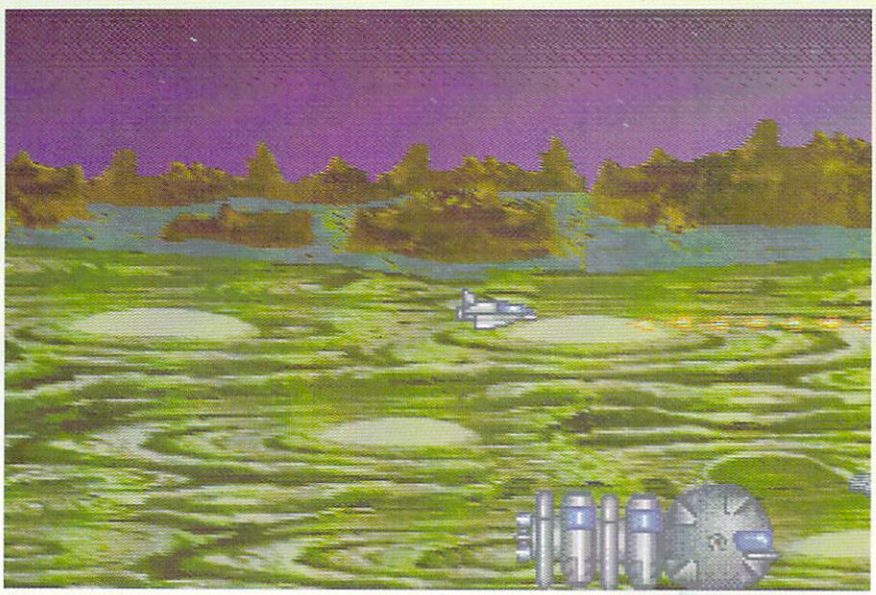
Witness is actually a tragically poor acronym, standing for War In The New Era Solar System. There is a fittingly daft scenario involving the alien conquest of every planet in the solar system apart from Earth, but essentially this is just an excuse for a polished game in the mould of Defender and Project-X.

The eight planets of the solar system are rated according to the difficulty of the challenge they present, but from the start of the game it is possible to choose to tackle any of the planets. Once the rather unimpressive introductory screens have been navigated, the graphics are crisp and clear and the movement of the sprites is extremely smooth. The space age action is accompanied by some suitably upbeat music, and overall the game has a very professional feel.



It's Witness. Or is it Project-X?

Admittedly Witness is nothing more than an enhanced Defender rehash, but few could suggest it lacks the essential elements of a truly great game. Perhaps not since Cybernetix has there been such an impressive clone of the classic Williams coin-op available at such a reasonable price.



In Witness each planet has a distinct graphical theme

BLASTED

Programmed by: M Burnett and B Parker
Available from: Classic Amiga Software
Disk No: G465

Whilst AMOS was never really the language of choice for anyone planning on producing cutting edge software, it has, in its time, allowed a great number of capable Basic programmers to produce playable efforts with the minimum of fuss. Blasted, whilst it aspires to be nothing more than an addictive shoot 'em-up, is an AMOS creation more than capable of holding the attention for more than a few minutes.

The objective is to blast your way through several levels of increasingly frenzied action. Using the mouse you control a gun emplacement and you must shoot down a variety of duck-like flying beasties. On each level you have to blast a specified percentage of airborne enemies within a strict time limit before you can progress. Unfortunately these creatures seem to like depositing the contents of their birdular bowels in the barrel of your boomstick, clogging it up for precious seconds.

There are a few bonuses which can be collected to enhance the destructive potential of your wacky weapon, which starts out bouncing bullets off your winged foes. These include more powerful missiles and a powerful laser beam, which simply destroys anything its path during the few seconds which it lasts.

Although Blasted will not test your mental capacities any more than an edition of Supermarket Sweep, it is far more engaging and entertaining than any programme involving Dale Winton could ever be. It may well be a trifle limited, but Blasted is possessed of a certain addictive charm.

Blasted: Mindless fun for all the family

Wally The Worm AGA

Programmed by: Electronic Minds
Available from: OnLine PD
Disk No: OX 371 A&B

Wally The Worm: It has been done plenty of times before, but rarely has it looked this nice

It was with a sigh of resignation that I double clicked on the Wally The Worm icon - a resignation born, no doubt, of years of enduring similar worm games, few of which offered anything innovative or awe inspiring to a game style which has now been realised perhaps a couple of thousand times too many. It is definitely to Wally The Worm's credit that after five minutes I had still not sprawled my hands across the keyboard to perform a reset.

As with all worms games, the basic objective is to guide the titular invertebrate around the screen consuming food. Food causes Wally to grow, making him harder to control. When he becomes too long for his own good, he will invariably collide with a wall or with his own body. It serves him right for being a fat bloater, you might think - but ours is not to reason why.

Mmmm... options

Anyway, my metaphorical mental jury is still out on this colourful offering. Certainly there have been few worms clones which were as pleasing to the eye as this, but in an attempt to add a subtle twist to a tired theme, the attractive backdrops have been incorporated into the gameplay - and I am not entirely sure this is a good thing.

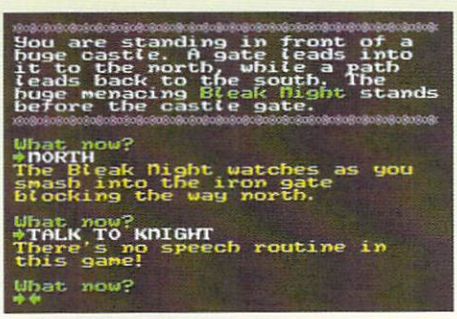
The problem is that whilst Wally can pass through or under certain elements of the scenery on each of the three levels, other objects can kill him. Unfortunately the designers of the game decided that it would be more fun to allow players to find out for themselves exactly which objects they could safely pass through, and some objects which one would think it possible to pass through actually cause Wally to die if he should collide with them. This can be tremendously frustrating.

Ultimately Wally The Worm should appeal to fans of the genre, although one would have to suspect that in this day and age that would be a tiny proportion of the population. It isn't at all bad, but does the Amiga really need yet another worms clone?

Speculator v1.03/Spectrum Games #136

Programmed by: William James/Various
Available from: OnLine PD
Disk No: OU 403/OG 429

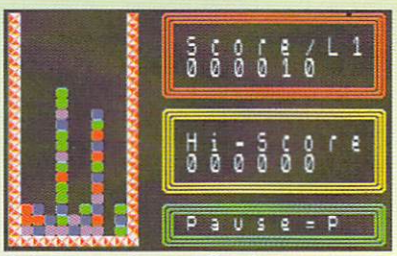
Speculator is not, as one might be forgiven for thinking, an action-packed simulation of share dealership, but yet another Spectrum emulator. Given the number of PD and shareware Speccy emulators which are now available, either a large proportion of Amiga owners used to own and adore one of those black plastic doorstops or else the Amiga games scene is in a worse state than people think. I would favour the former explanation.



In the old days, adventure games weren't quite as advanced...

To be fair, Speculator is certainly one of the fastest emulators around. Ordinarily every single Spectrum instruction is converted on the fly into Amiga code, whereas the author of Speculator has rewritten some key routines from the Spectrum 16k ROM in 680x0 code. However, a fast processor is still essential if you want to play your old Spectrum favourites at anything approaching full speed - the documentation recommends a 25MHz 030 for 100 per cent performance. Fast RAM and AGA are also strongly recommended, with at least Kickstart 2.0 being a requirement.

Speculator supports six different formats of Spectrum snapshot file, and it does so transparently so it is not necessary to tell the program which format a given file is - you can simply load it straight into memory. Speculator is also a great deal more system friendly than some of its rivals and the screen display is crisp and clear (especially on AGA machines, since the program will happily promote the screen mode).



Kolumns, running on a Spectrum, running on your Amiga. How quaint

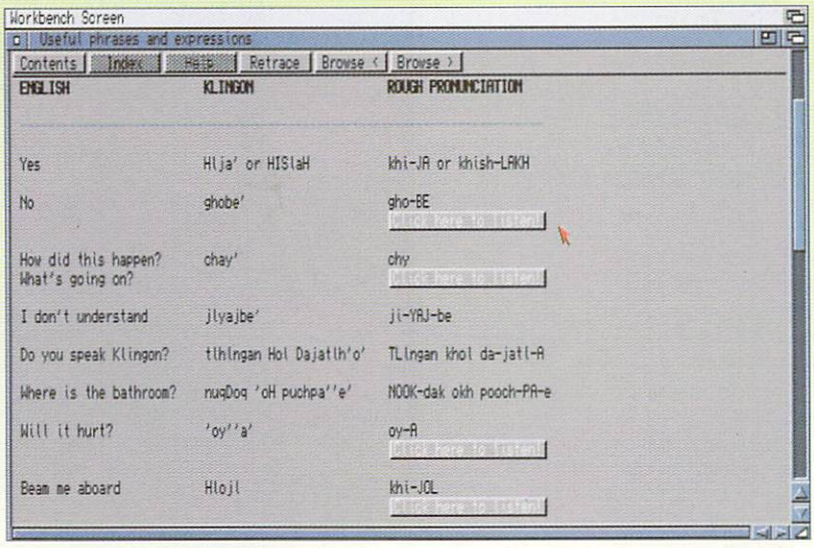
Spectrum Games #136 contains 16 Mirage-format snapshots with names beginning with Y and Z, OnLine PD's rather enormous collection of Spectrum hits being organised alphabetically. One of the snapshots included on this particular disk is Zaxxon, a game I was bad enough at the first time around and over a decade later, I'm still abysmal. Such is life.

LEARN THE KLINGON LANGUAGE v1.1 DEMO

Programmed by: Daniel Sutcliffe
Available from: OnLine PD

I am not, and I have never been, a Star Trek fan - personally I regard it as unadulterated rubbish. If the original series had a certain naive charm with its recycled sets and hopelessly corny storyline (usually infused with a moral conscience suitable for 60s America), the current stream of Trek spin-offs offer little more than fancy computer generated starships and people wandering around in ridiculous costumes.

Frighteningly though, there some people who live simply to watch these sad productions, and to collect all manner of tacky Trek merchandise. These unfortunate individuals are branded Trekkies by the rest of the cult TV cognoscenti, and they indulge in bizarre practices, such as periodically massing at Trek conventions dressed as their favourite Trekular creatures.



Learning Klingon? What a bizarre idea...

So strong is the Trekkie movement that some American institutions of higher education have even seen fit to introduce degree courses in Trekular languages, most notably Klingon. If devoting three or more years of your life to studying a course with no practical applications whatsoever doesn't really appeal, then congratulations, you are sane and you will happily never be a true Trekkie.

On the other hand, if the only reason you are not already applying to the institutions in question is your lack of the necessary cash, then wriggle your arms out of your straight jacket, give OnLine PD a ring and get hold of this disk. It might just be the answer to your prayers, you pathetic individual.

This computerised phrase book is presented in Amigaguide format, and there are even a few sound samples thrown in - presumably for the benefit of your Klingon pronunciation, since they could not conceivably have been included for your aural pleasure.

Learn The Klingon Language will probably not give you a good enough grasp of this alien tongue to talk fluently with a Klingon, or even to write a postcard to your pen friend about your family and your hobbies (since that is what all foreign languages are for, if I remember correctly from my schooldays). But that probably won't really matter, because the likelihood of you actually encountering a Klingon on your way to the local public house is not, I would venture, very great.

SPEED RACER

Programmed by: David J Cruickshank
Available from: OnLine PD

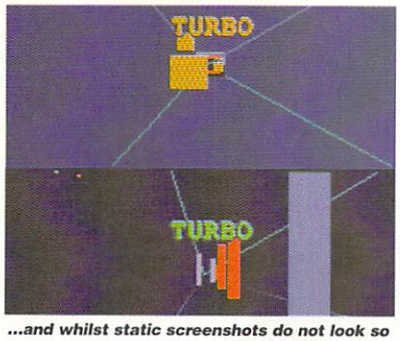
Some programmers are so good at producing top quality software that several of their creations have featured in these pages over the years. Long-time readers of Public Sector might remember that Mr Cruickshank was responsible for the excellent Tron light cycles game Wired Chaos, which came out a couple of years ago. Speed Racer is his latest brilliantly simple, yet worryingly addictive, game.

Speed Racer is loosely based on an earlier game by the same author called Hydrozone. Competing against a friend (or against the computer, if there isn't a friend handy), you must race down a narrow tunnel dodging protruding walls whilst some thumping techno-type music bangs away in the background. It might sound horrifically basic, and indeed a glance at the screenshots might suggest that this would be a game worth avoiding, but the truth is that Speed Racer offers fast, fluid action and some extremely generous helpings of addiction. A minimum of an 020 machine is recommended in the documentation if you are to enjoy the game at its speedy best.

Speed Racer is absolutely bursting with options...

Speed Racer's option-laden menus offer a wealth of gaming possibilities. Not only can you compete against several human and computer controlled opponents using the pseudo-tournament mode, but you can set speed limits, choose to play multiple round competitions, and change the preset race track for one of over 20 others supplied on the disk. Should you feel especially creative, you can even design your own level using the editor which is also included on the disk.

This is one of those games that really comes into its own when you have friends on hand to pit your skill and wits against. In summary, it's fast, it's fun and it's freeware and you would be foolish to miss it.



...and whilst static screenshots do not look so impressive, the action is smooth and frenetic

THE AIR THAT I BREATHE

Each month Public Sector tries to bring you the very best of the latest PD and shareware releases. Consequently I want to hear from you if you have any program, whatever its purpose, which you consider worthy of review. Whether it will be freely distributable Public Domain, Shareware or Licenceware, if you feel it is of sufficient quality to merit coverage then cram it onto a 3.5", slap it into a padded envelope with a covering letter and wang it with all haste in my general direction. Some days later when said envelope tumbles gently through my letterbox, I'll tear open the envelope, shove it in my drive and don my evaluating cap, with the creme de la submissions earning reviews in these pages.

If you've written the software yourself, you could even win yourself a prize if it earns a review. Reader Submissions of this kind should, surprisingly enough, be clearly labelled "Reader Submission", and they should be sent to the usual Public Sector address. So don't delay - get those submissions in the post before Neil changes his mind about those prizes...

Dave Cusick
PD submissions
Amiga Computing
Media House Adlington Park
Macclesfield SK10 4NP

PREMIER SIXES

Programmed by: Robbie Mappin
Available from: Robbie Mappin

At the time of writing, Manchester United has just secured a place in the European Cup semi-finals and has its sights firmly set on a fourth Premiership title in five years. (Arguably it should have been six titles in six years, but that's another story). This is excellent news, not just for this lifelong Red (whose father and indeed grandfather before him followed United), but also for the English game - especially since Liverpool have booked a place in the Cup Winner's Cup semi final too.

All this might seem like irrelevant waffle, but I assure you it isn't (at least, no more than the usual waffle you would expect in this column). The fact is, that by being an incredibly successful manager, Alex Ferguson is doing for real what a great number football fans dream about doing. This is proved by the success of footy management games such as Championship Manager and Premier Manager.

Rather than attempting to challenge Championship Manager in the realism stakes -

If I was as bad as him, I'd be glad to be in the team too

Premier Sixes offers you the ultimate challenge: Can you lead a team of clodhoppers like the Spurs to some sort of success?

which would be an extremely difficult thing to do - Premier Sixes places the player in charge of one of 10 top Premiership sides involved in a six-a-side football tournament. The author has however elected to include real players, all of whom have been assigned realistic ratings.

The exciting Championship Manager-style match sequences complement the numbers-based managerial side of the game nicely, and there are sufficient tactical options available to make the player feel as though his input has a genuine effect on the outcome of matches.

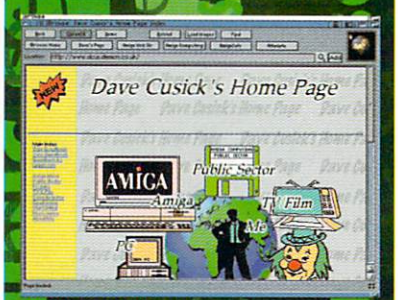
Versions of Premier Sixes are available featuring top English, French and Italian league teams, each costing £2.50 from the author. As an extra incentive to purchase and play the game, Mr Mappin is offering a free copy of his next release to the first person who can send him a copy of the message which is displayed on successful completion of Premier Sixes - a task which he charmingly describes as being "dead hard."

I'M ALIVE

As usual, a small but significant number of the submissions received by Public Sector were updated or enhanced versions of already popular PD and shareware products. Amongst the notables this month...

Magic User Interface 3.8, available from OnLine PD, is the latest release of the all-conquering GUI kit. It boasts the usual round of speed improvements and bug fixes, and will even bring you cups of tea in bed and wash your car on a Sunday afternoon.

Carsten Magerkurth's Colours, reviewed in AC101, has also just received a substantial update. Offensive Colours offers more of the same puzzle action, but with a new two player mode in which the players can shoot and kill each other, support for up to 4096 colours on screen, and a wealth of extra options. A demonstration version is available, but as before, if you state you are a reader of Amiga Computing you can obtain the full version for free. Only a fool would miss out...



Magic User Interface...

JUST ONE LOOK

Carsten Magerkurth
Alfred-Mumbaecher-Strasse 1
55128 Mainz
Germany
E-mail: magec000@goofy.zdv.uni-mainz.de

Classic Amiga Software
11 Deansgate
Radcliffe
Manchester M26 2SH
Tel: 0161 723 1638

Robbie Mappin
1 Holywell Cottage
Wentworth Road
Swinton
South Yorkshire S64 8LA

OnLine PD
1 The Cloisters
Halsall Lane
Formby
Liverpool L37 3PX
Tel: 01704 834335
BBS/Fax: 01704 834583

GCSE PHYSICS TUTOR

Programmed by: Chris O'Connor
Available from: OnLine PD
Disk No: OX 363

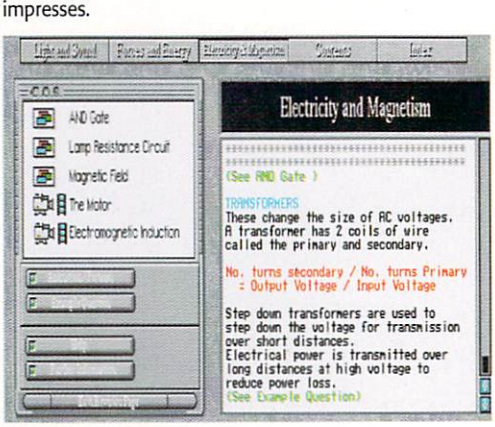
At GCSE level I used to quite enjoy physics lessons - obviously not as much as chemistry lessons, because opportunities to catch unsuspecting innocents out by heating up their tripod and gauze with a Bunsen burner whilst they were not looking tended to be rather scarcer, but I enjoyed them nevertheless. Slinky springs might well have been one of the few pieces of equipment pupils were allowed to play with, but our physics teacher provided us with a more than adequate source of amusement - albeit unknowingly.

However, physics exams were not easy and I certainly would not have looked forward to them had we been blessed with a less amusing tutor, or had I not developed a perverse liking for what was after all an utterly pointless subject (because, in my experience at least, A-level physics generally involves un-learning most of the simplified stuff pupils are fed at GCSE level).

Of course, in my day, the only computers found in schools tended to be BBC model B machines, and so aiding my studies through the use of computer software never really crossed my mind. Time has, of course, marched onwards and stressed students can these days draw upon a reasonably wide range of educational programs at all levels of their academic careers.

GCSE Physics Tutor is a beautifully presented attempt to summarise three core areas of the syllabus, namely Light and Sound, Forces and Energy and Electricity and Magnetism. Each topic is covered using a combination of text and diagrams which should serve to jog the memory nicely, making GCSE Physics Tutor ideal as a revision aid if not actually as a substitute teacher. There are also plenty of practice questions which can be used to prepare for those dreaded exams.

Whilst the PD release is merely a demo of the full licenceware release (which costs £3.95), and as such contains enough gaps to severely limit its usefulness in its own right, as an advertisement for the full program it certainly impresses.



Can help students get the grades they want at GCSE level

Modems Hard Drives

High speed serial port for A1200 – £89

Other network solutions – parallel, serial, ether etc. inc. to PC! – CALL!

Amiga to CD32 serial link – use your CD32 as CD ROM – use Amiga as CD32 keyboard £24.95 inc. all software

Towers! Amiga tower conversions to your spec – call!

Alien Technology

GOOD DEALS - BEST TECHNICAL SUPPORT

01423 500861

for all your Amiga requirements

'030 boards for A1200 from £79.99 inc. FPU!
Limited offer – while stocks last – call for prices on '040 and '060 boards for Amigas

Modems – 33.6, Fax, Voice and Data
Complete with PSU, cables and basic comms software. Internet assistance provided! £110!

Hard Drives – sample prices –
2.5" 340Mb – £99
2.5" 510Mb – £130
2.5" 810Mb – £159
3.5" 1.7Gb – £172
all with cables etc. Ready to go!

Software Accelerators

PD/Shareware from 50p! Call for catalogue! (£1).

Recycled blank floppies (100% error free) from 30p – call for quantity

COMING SOON!
Add on floppy for CD32! Put your A1200 in a tower! HD internal/ external floppy replacement PSUs – higher 250W!

Alien Technology, 36 Markenfield Road, Harrogate HG3 5QH

All prices include VAT subject to availability. E&OE

Siamese SYSTEMS

So you want a Siamese System but need a PC?

!! P133 Siamese Packs from £899.95 call for brochure !!

However, if you need *Performance!!*

AMIGA SUPERSTAR

AMIGA GOLD FORMAT

Then go for the Siamese top of the Range Pentium MMX Windows NT System!!

Specifications:-

Pentium MMX PCI Motherboard
200Mhz Pentium MMX Processor
High speed SCSI 2 controller
4gb SCSI drive
8 Speed SCSI Cdrom drive
Floppy Disk
32mb EDO Ram
ATI 3D Xpression+ graphics card with 4mb
ATI TV tuner card and Video input card
Win95 ergonomic keyboard
Microsoft Mouse
16 bit sound card
Siamese V2 hardware / Software / RTG
Windows NT4 Workstation
Microsoft Works V4
CE apporved Midi Tower Case Tower

Ideal as a Render Engine

Or for Digital Video Editing

Price £2495.00 inc Vat Then You Need SPEEEED!! and We've got it!

Please remember! Any company can build a PC, but only HiQ can integrate it!!

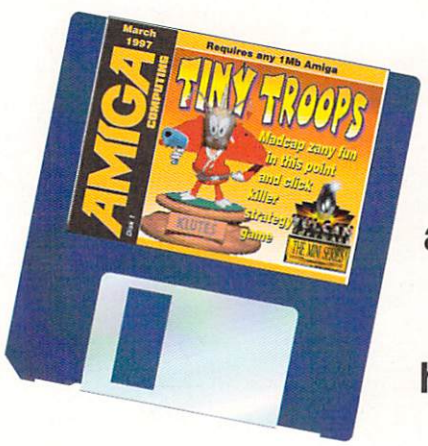
Developed in the UK by HiQ Limited Tel +44 (0)1525 211327 fax +44 (0)1525 211328

Try our internet page www.siamese.co.uk email steve@hiqltd.demon.co.uk

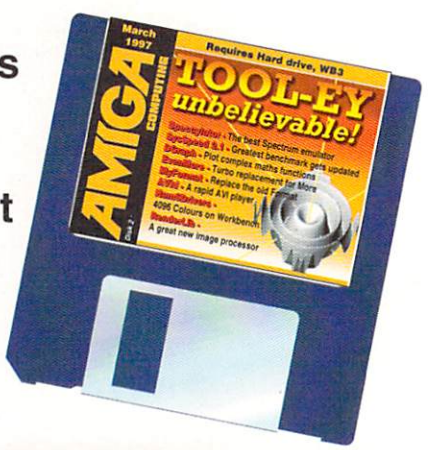
Go on

Subscribe – you can't afford not to

Why?



Because ***Amiga Computing*** is the best way of finding out everything you need to know about your Amiga and, if that isn't enough, each magazine also comes complete with 2 of the hottest disks crammed full of the latest software and demos.



SUBSCRIPTION HOTLINE

Phone: 0151-357 1275 **fax:** 0151-357 2813

or e-mail us at: database@dbdirect.demon.co.uk

Save £8!

Subscribe now and not only will you save over £8 off the more than reasonable rate of £58.50, but we'll also pay your local postie to deliver all 13 issues direct to your door, before they hit the shops, and guarantee you protection from any future price increases.

And save even more when you subscribe by Direct debit

DIRECT Debit

Subscribing by Direct Debit is the easy way to pay and stops you ever having to worry about your subscription to *Amiga Computing* lapsing again. Plus, you'll spread the cost over quarterly payments. And just in case that wasn't enough, we'll even throw in an added saving of £5 off the regular subscription price.

Amiga Computing priority subscription form

● I would like to save money with the following yearly subscription:

New	Renewal			
☐ 9799	☐ 9801	UK	£49.99
☐ 9688	☐ 9689	EU	£69.99
☐ 9690	☐ 9691	World	£84.99

USA/Canada subscriptions

☐ 1234	12 month with disk	$70
☐ 1234	12 month without disk	$40

Please mark on if this is a new subscription or a renewal

New ☐ Renewal ☐

● I would like to save even more money with a UK quarterly direct debit ongoing subscription

☐ 9800 UK £10.99

Quarterly Direct Debit Instruction

AUTHORITY TO YOUR BANK/BUILDING SOCIETY TO PAY DIRECT DEBITS

Name of bank/building society.....

.....

Address.....

.....

.....

.....Postcode.....

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 IDG Media. The amounts are variable and may be debited on various dates.
No acknowledgement required.
I understand that IDG Media 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.

● I wish to pay by:

☐ Cheque/Eurocheque/Postal Order payable to IDG Media

☐ Credit Card (Visa/Access/Barclaycard/Mastercard/Eurocard/Connect) Expiry Date /

Card No ☐☐☐☐ ☐☐☐☐ ☐☐☐☐ ☐☐☐☐

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

● Deliver my magazine to:

Name (Mr/Mrs/Miss/Ms)_____

Address _____

_____

_____

_____

_____

_____

Postcode _____ Daytime phone no _____

Send this form to: *Database Direct, FREEPOST, South Wirral L65 3EB.* *(No stamp needed if posted in UK.)*

Your subscription will commence from the earliest possible issue

Want to get connected?

....AMITCP v4.5 DIALUP
[NEW!! FULL TCP CLIENT]

....VOYAGER-NG v2.1 NEW
[EXCLUSIVE!! NEW WWW CLIENT]

....MICRODOT-II NEW
[AMAZING NEW MAIL/NEWS CLIENT]

....AmFTP
[INDUSTRY STANDARD FTP CLIENT]

....AmIRC
[INDUSTRY STANDARD IRC CLIENT]

....AmTelnet NEW
[TELNET CLIENT - AMFTP AUTHOR!]

....AmTalk NEW
[INTERNET CHAT CLIENT]

....AmFinger NEW
[FINGER CLIENT]

....AmTerm NEW
[NEW COMMS/BBS CLIENT]

& MUI 3.8 (Shareware)

STOP PRESS!!

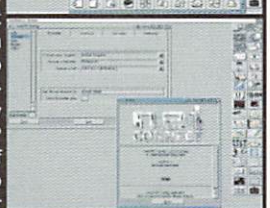
Voyager Supports FRAMES!

New for Voyager-NG v2.1

HTML 3.2 specifications - tables and full frames (scrolling and floating as shown) now supported! Internal Image Decoder - fast internal GIF/JPG decoding, GIF Anims, 24BIT CyberGFX support! Graphical Printing - print web pages as they are shown! Enhanced Features - POP-UP menus, MIME GUI, extra security, FULL FTP module and much more!

COMPLETE Internet Software

Wanting to get onto the Internet? Already connected, but frustrated with your software? NetConnect is all you need to get connected to the Internet and contains a suite of seven **commercially licensed** Internet applications. You won't find an interface as easy-to-use as NetConnect's! We have spoken at length to so many of our customers about getting onto the Internet - we know exactly what you need and what you want. You want software you can use - not shareware but commercial software, you want the hassle taken out of the installation and you want a suite of the very best Amiga Internet software. Indeed, to make NetConnect the very best we organised programmers to enhance their software - so you get previously non-released software. NetConnect contains a full TCP client worth over £35 in itself! You can save masses of £££'s from buying NetConnect as there is no need to licence the Internet software - full versions all licenced for you! Remember you are also entitled to minor upgrades/fixes as a registered user!!



Buy Your Vaporware Products Direct From Active!

NETCONNECT AND VAPORWARE PRICES

NetConnect CD Version or 3.5" Floppy Disks	£ 59.95
33.6 Voice Modem	£109.95
33.6 Non-Voice Modem	£ 99.95
33.6 Voice Modem & NetConnect	£139.95
Voyager Next Generation (v2.10)	£ 20.00
Microdot-II (call for release date and to confirm price)	£ 20.00
AmIRC v1.32	£ 19.00
AmFTP v1.72	£ 19.00
AmTalk v1.2	£ 12.00
AmTelnet v1.0 + AmTerm v1.0	£ 18.00
MUI 3.8 (when you buy Vapor products or NetConnect)	£ 12.00

• 5% Discount when 2-4 Vapor products are bought, 10% Discount for 5+
• Note that the Vaporware products are e-mail only but can be sent on floppy for a surcharge of £2.00 per product.

Quality 33.6 Voice and Non-Voice Data/Fax Modems

- 33600 bps DATA/FAX modem - true v34. Throughput to 115, 200 BPS via V.42 bis data compression
- Group 1, 2 & 3 send/receive FAX (14.4)
- Voice CommandsDSVD upgradeable (by software) *voice only
- Auto Answer *voice only
- Full Duplex Speaker *voice only
- Call Discrimination *voice only
- Fax on demand *voice only
- Simultaneous voice and data (S.V.D.) *voice only
- Message playback via sound card / speaker or headset *voice only
- Auto mode detection allows modem to connect with a modem that is configured for differing connection modes
- Extended AT command set
- Upgradable ROM chip (safeguarding against future specifications)
- BT and CE Approved
- Amiga 25pin and Surf Squirrel/PC 9pin serial cable included
- With Headphones and Microphone *voice only
- Full "get started" documentation
- 5 year warranty - also undergone rigorous Amiga tests

Save over £23 with Enterprise!

Buy NetConnect and get FREE connection to Enterprise (worth £20 ex. VAT or £23.80 inc. VAT)!

Send your order to:
Active Software, PO Box 151,
Darlington, County Durham,
DL3 8YT, ENGLAND.

01325 352260

active@enterprise.net

Postage and Delivery

CD's	- 50p per CD for UK delivery - £1 per CD for EU delivery - £2 per CD World delivery
Modem	- £3 for 2-3 day delivery - £4 for next day delivery - £15 for Saturday delivery

Make cheques/P.O.'s payable to Active Software and send to the address listed opposite. We can accept credit or debit card orders. For any additional information call us ASAP!

Supported by ISP's Worldwide

NetConnect allows you to select your country then select an ISP (easy!) - we have about 160 ISP's listed from 29 different countries (58 from the UK!). Nearly 100% of the WORLD is covered for any user who wants to connect to the Internet!

FREE PD SOFTWARE

AMIGA - PC - All Commodore
Call (0181) 651 5436 or
Write to 45 Brookscroft, Linton Glade, Croydon CR0 9NA
www.icpug.org.uk
Independent Computer Products Users Group

S&S Amiga PD

Tel 01257 402201 Fax 01942 497928
E-Mail: ssamiga@warp.co.uk

For a FREE catalogue of the latest and best in Amiga Public Domain software simply send us your name & address and a loose stamp

PD prices: 1-10.....80p; 11-20.....70p; 21+.....60p
Postage & Packing is free on all PD orders – Local orders qualify for free delivery
All orders are sent First Class and we only use new TDK/Fuji disks

Phone now for details of our Amiga User Group (Wigan/West Lancs)

S&S PD (Dept AC), 79 Woodnook Road, Appley Bridge, Wigan, Lancs WN6 9JR
Amiga enthusiasts catering for Amiga enthusiasts!

S&S welcome any enquiries from new and experienced Amiga users alike

---

THE BEST AMIGA USER GROUP IS 15 YEARS OLD!!!!

To celebrate Chic Computer Club is now offering amazing half price subscription to its unbeatable User Group Service. Members get great discount offers, thousands of new contacts, free help & advice, gigabytes of free PD/Shareware from our exclusive BBS. Regular newsletter. Second-hand hardware, service. Plus: Now also FREE Internet Home Page and E-Mail address, and FREE advertising on our Internet site.

Plus Full Internet Connection for LESS THAN £1.00 per month!!!!
PreUsed 3.5" DS/DD Disks just 7p each (+p&p)

Find out what you're missing by sending an SAE for our FREE intro pack to:

C.C.C. (AC15), P.O. Box 121, Gerrards Cross, Bucks, SL9 9JP. (01753) 884473

We also offer groups for IBM/Apple/Atari/8 Bits/Consoles/Fantasy/SCI Fi Gamers and Midi Music users
Trade and Dealer enquiries welcome. Web Page at HTTP://www.uk.main.com/chic

---

AMIGA COMPUTING Advertisers' Index

1st Computer Centre 19	Hi-Soft .....OBC	Saddletramps 63
10 out of 10.....7	ICPUG.....54	S & S Computers 63
Active Software.....54	Kew = II 63	Siren Software .....IFC, 3
Alien Technology 51	Kobrahsoft.....63	Software 2000.....24, 25
Epic Marketing 22, 41	Liage.....64	Underground PD 63
Gasteiner.....31	Pathfinder Pd.....63	Weird Science 8, 9
Golden Image 13	Paxtron.....15	White Knight.....46
HIQ.....51	Premier Mail Order.....69	Wizard Developments.....37

Football World Cup CD-ROM

AGA - ONLY

only £14.99

The most comprehensive interactive history of the greatest show on Earth. **500** full-screen (HAM8) photographs of the greatest players of all time. Reports on every match played in the World Cup Finals (1930-1994). Overviews of each of the 15 World Cup Final tournaments together with voice-over (more than 2 hours) and photographs. Extensive statistics relating to each tournament and each national team. Comprehensive cross-referencing capabilities. Flexible match-finder facility, enabling quick and easy access to any match no matter where you might be.

Floppy version for ALL AMIGAS coming soon!

INTRODUCTORY PRICE OF £14.99 ONLY UNTIL 1ST MARCH

BUY BOTH CDs FOR THE SPECIAL PRICE OF £19.99!

World Atlas CD-ROM

now only £9.99

AGA - ONLY

Each Country is supported by economic, historical and cultural facts, including flags, as well as separate maps depicting major cities, rivers, mountains and geographical position. Flexible and easy to use, this educational package is at once stimulating, accessible, informative and fun.

Amiga Format 91%
Amiga Computing 90%
Amiga Shopper 90%
CD32 Gamer 92%

WISEDOME

Telephone (0171) 702 9823

Order by telephone quoting your Credit Card Number.
If paying by cheque please make payable to: *"WISEDOME LTD"*.
Wisedome Ltd, 20 Breezer's Court, 20 The Highway, London E1 9BE

AMIGA GUIDE

AMOS is brilliant! Stereo sound panning made easy with Phil South **56**

Making Midi portable is dead easy and Paul Overaa knows why **57**

More DOS drivers, you would have thought Neil has have had enough **58**

The both cuddly and strangely attractive Dave Cusick looks at Internet ads **59**

Bad pun alert - Paul Overaa uses his Ed in this months ARexx, get it? **60**

The multi-talented Neil Mohr turns his dainty hands to HTML, look what he learnt **61**

Paul Overaa never stops, next up he talks about beta testing **62**

Phil South makes a noise with the AMOS sound commands

Sounds Fantastic

Using sampled sounds in AMOS is really easy. This being the Amiga we're talking about, it is of course a similar process to the use of IFF picture files. The IFF standard means that sounds and pictures share a common file format with the exception of the headers which tell you what kind of a file they are. Like pictures, you can load them in directly from the disk as they are, or use them from a bank.

It's a far more elegant solution to store them in a bank as it means they are ready to access at any time during your program and they are loaded with your program, saving a lot of fuss. Once the samples are in a bank, you can play them back at any speed - which naturally alters the time it takes to play and so also changes the pitch. You can have samples of speech, snatches of music or even single notes of a sampled instrument at different pitches.

Playing samples in AMOS is a matter of using the SAM PLAY command:

```
Sam Play VOICE,SAMPLE,FREQUENCY
```

The Amiga has four voices and these are paired to play in either left or right stereo channel. Voices 0 and 3 play through the left speaker, whereas 1 and 2 play through the right.

It's easy to use this stereo capability and make stereo sounds. And I mean stereo sounds - those which have a stereo image between your ears and not just double mono, which is what most programs pass off as stereo.

If you want to pan a sound around in the stereo spectrum you have to alter the volume across the two stereo channels of the same sound. This is called 'mixing' or 'panning' in the trade (the trade in this case being sound design).

That is to say, a sound appears in a certain position in the stereo 'picture' - an imaginary 3-D space with a left, right, close and far, depending on how quiet or loud it is in each ear. A noise that is soft in the left ear and loud in the right will seem to be coming from right of centre of the picture.

In order to simulate stereo panning in an Amiga sound, therefore, all you have to do (all?) is put the same sound in both speakers and alter the volume of one or the other to move the sound around in the stereo picture. Let's try it:

```
Rem *** Sound Mixer One ***
Screen Open 0,640,256,16,Hires
Hide : Curs Off : Paper 0 : Cls 0
Load "MySamples.abk"
```

Obviously you have to make a sample bank containing your samples, which you can do with the Sample Bank Maker in Amos Pro. After making your samples you save them as a bank called "MySamples.abk" (or whatever) and the statement in the program reads them in. Okay, next we set the volume for the left and right channels:

```
Sam Loop On
Volume %10,0 : Volume %1,50
```

We turn SAM LOOP ON to make the sound continuous, which makes it easier to hear the stereo panning. Next we set up the initial volumes of the two voices we'll be using, in this case voices 1 and 2, indicated by the Binary codes %0010 and %0001. (We omit any leading zeros making it %10 and %1.) This sets the volume so that the right channel is silent and the left is set at 50.

```
X=1
Locate ,5 : Pen 4 : Centre "The Amos Column
brings you *Stereo Panning*"
Locate ,7 : Centre "Notice how the sound
moves slowly from left to right"
```

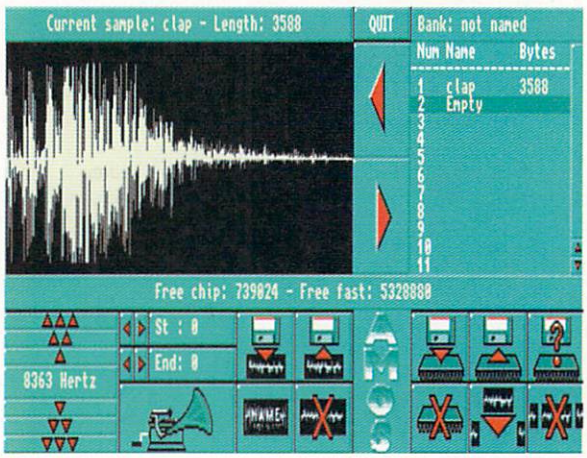
Next we have the main program loop. The PANIT procedure increments the right and decrements the left at half second intervals until the sound has travelled fully from left to right.

```
Do
        Sam Play %11,3
        PANIT
Loop
Procedure PANIT
        P1=0 : P2=50
        Repeat
                Volume %10,P1 : Volume
%1,P2
                Wait 25
                Inc P1 : Dec P2
        Until P1=50
End Proc
```

If you were really smart, you could have another sound panning the other way too. This is called a cross-fade or, more precisely, a cross-pan. You could even move the sound in stereo according to movements from the joystick, which could also move a sprite that the sound relates to, left and right or even larger and smaller, to give a real stereo visual experience (I like the idea of a buzzing sample and a sprite of a buzzing bee for this one.) This routine gives you an idea of what I'm talking about:

```
Rem *** JoyStick Stereo Mixer Two ***
Screen Open 0,640,256,16,Hires
Hide : Curs Off : Paper 0 : Cls 0
Load "buzzysamples.abk"
Volume %10,25 : Volume %1,25
P1=25 : P2=25
Do
        Sam Play %11,3
        If Jleft(1) Then Inc P1 : Dec P2
        If Jright(1) Then Inc P2 : Dec P1
        If P1
        If P2
        Volume %10,P1 : Volume %1,P2
        Wait 25
        Locate 0,0 : Print P1,P2
Loop
```

Once again it uses samples from a bank, but this time the sound pans in stereo depending on whether you move the stick left or right. The location of the sound is shown at the top of the screen. Try out these routines and see if you can to make them even faster still (using AMAL perhaps to handle the animation to save clock cycles from the sound?), and I'll print some good ones next time if you send them in.



Write Stuff

If you have any other AMOS programs or queries about AMOS, please write to the usual address, which is: Phil South, Amos Column, Amiga Computing, Media House, Adlington Park, Macclesfield, SK10 4NP. Please send routines on an Amiga disk with notes on how the program works on paper, not as text files on the disk. Make the routines short enough to appear in print (i.e. no more than about 30-40 lines of code) and if possible, no external graphics. That is, any graphics which have to be loaded. If you want to send the graphics too, provide them on the disk in IFF format, the same goes for sound files.

Once song libraries have been built up, all sorts of portability snags can arise

music

Song sequencer portability

OK, you've got a sequencer, a sound module and perhaps a few other pieces of Midi gear and things are great. No snags, no problems to speak of – that's the way it should be. But whether it be tomorrow, next week or next year, chances are you will at some time add to (or change) parts of your existing Midi set up and this is where difficulties can crop up.

In the last few years I've moved hundreds of songs across to various sequencers and have used these arrangements with a wide range of Midi synthesizers, expanders, drum machines and effects units. The one thing that has really been driven home to me is that the key issue in any such transfers and equipment changes is to find out how to avoid having to undertake any major editing of your existing data.

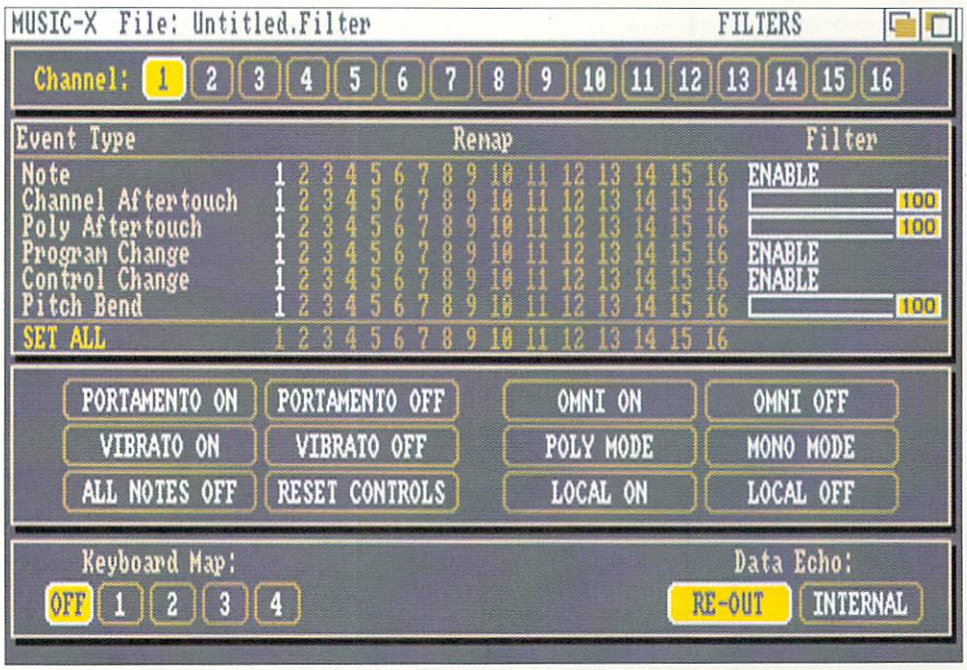
When would you need to have to worry about making changes to your sequencer data? Well, buying an additional second hand drum machine is a typical case in point. Many older units had fixed drum/note-number units (Yamaha's RX21 and RX21L for example) and whilst these can certainly be a cheap way of adding extra percussion facilities, the danger is that some of the drum note correspondences will clash with assignments you've already adopted. Before opting for drum units like these check the Midi Implementation chart to see that the extra unit's drum note values do not clash with anything you are using already.

The latest generation of drum machines of course support General Midi and most also have user-assignable drum/note-number correspondences. These types of machines can easily be set up to match the existing drum note relationships of your stored sequence data, so even if cash is tight a few extra quid spent to gain this sort of flexibility is almost certainly going to prove a wise investment.

Synths and expanders

This is another area where the difficulties stem mainly from using or buying older, second hand Midi equipment that does not conform to General Midi. In these cases you should first identify or create voices on the new synth that correspond to the voices available on the previous unit. After that it's just down to making sure these voices can be used when needed.

Voice selection is done via Midi program change commands and these will be embedded in your sequences. If, for example, a program change 23 had selected a cello voice on your Roland HS10, you need to be able to make any new unit select an equivalent voice when it receives a program change 23 command – otherwise it will again be down to editing much of your existing song library!



Having built up your own collection of song arrangements over several years, the last thing you want is to find out you've got to edit the whole lot because of a bad choice when buying an extra piece of Midi gear

The important facility here is the existence of a user definable program change table that lets you assign any voice to any program change number. In short, you create or find the required voices on the new unit and then set up the program change table so that program numbers which are already embedded in your existing sequencer select equivalent voices in the new expander or synthesizer.

Talking of synths and sound modules, Midi sysex control has always been a potential nasty. Even with relatively old expander units (such as the Yamaha TX81Z), quite sophisticated sets of Sysex control messages are available. It's often possible to transmit and set up new voices, modify the program change table and so on (so that an alternative set of voices are made available), just prior to the actual start of the music sequence (e.g. during the count in time).

Such facilities are brilliant – until the time comes when you change expanders and realise that all your clever sysex stuff is going to have to be completely re-written. My advice? Certainly experiment and learn about sysex control, but as far as possible try to minimise the use of such messages in sequences.

Before buying new gear incidentally, it's also worth taking a look at the Midi implementation sheet and checking that none of the controller messages already present in your sequences will cause problems with the new equipment. Most sequencers will let you re-assign embedded controller numbers and so on, but ideally you should aim to avoid placing yourself in a position where it becomes necessary to edit controller numbers in all of your existing sequences.

Last words

The moral is simple. Before you buy any new Midi equipment check the implementation sheets, look very carefully for potential areas of incompatibility with the information you've built up during your Midi lifetime. Look for flexibility in the areas of program change tables and Midi controller assignability and identify controller number conflicts before you commit yourself to a new Midi unit. Above all, avoid too much dependence on control applications of sysex messages – they are, in the main, equipment specific and so are almost guaranteed to cause serious portability problems when embedded in song data libraries.

Explore the murky depth of DOS drivers with Neil Mohr

medical

Drowning in DOS

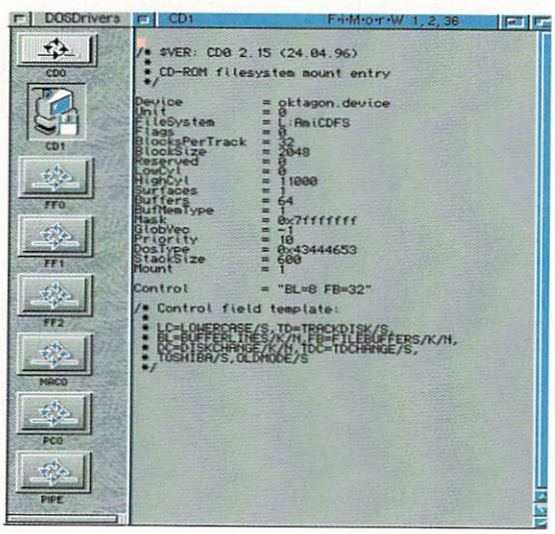
Last month I took a quick peek at the Amiga's DOS drivers, but did not delve into how to set them up. Guess what we are going to do this month? No that's not right, and where do you expect me to get a rabbi and a chicken at this time of night?

So you should know where to find your DOS drivers and that they are just text files with a DOS driver icon attached, but how do you set them up yourself? For this example we are going to look at setting up a RAD drive. If you do not know, a RAD drive is a permanent RAM disk, so if you reset your machine anything stored in the RAD drive will remain. The down side is that they have to be of a fixed size so you do lose part of your computer's memory.

To start, you are best off making a copy of an existing DOS driver, the pipe one will do, this makes sure you have the icon, tool types and other bits set correctly. It also means you do not have to do everything yourself. Rename the pipe copy to RAD, this name could actually be anything.

Next up, load the driver file into your favourite text editor and get rid of all the text that is there. You are now ready to start entering the driver details.

```
Device = ramdrive.device
Unit = 0
Flags = 0
Surfaces = 2
SectorsPerTrack = 11
SectorSize = 512
Reserved = 2
Interleave = 0
Buffers = 5
BufMemType = 1
```



AutoDOS

You know, like, when you turn your Amiga on and it automatically recognises all the drives connected to it. If you think about it, that is quite nice. The computer is interrogating (not in the Marathon Man sense) each drive and finds out how many heads, cylinders, tracks and other things each drive has and automatically mounts them. Basically all the information you have to enter into a DOS driver can actually be obtained from the hard drives and CD-ROMs connected.

So why do you have to mess around with DOS drivers? Well, it is to do with software – the Amiga's operating system only supports standard Amiga devices. Even the CD support added to 3.1 has to manually adjusted. Recently I came across a piece of software called MountDOS. This little program will automatically mount any PC drive you tell it to. It is not perfect and you still have to point it at the right device and drive unit, but once that is set up it will do all the other donkey work involved with creating DOS drivers. Recently I used this program to mount a second DOS IDE drive. If you want to get your hands on MountDOS it is on Aminet in the disk/misc section MountDos100.lha.

Almost there now, with the new version of the mount command tool types can be used. For this example you only need to add, LowCyl = 0 and HighCyl = 79, as tool types. It is possible to enter all the settings as tool types, but normally you should only use values you change frequently as tool types. The unit number of a SCSI device would be one example.

Most DOS drivers are used to add new drives to a machine, most importantly you have to specify what device the drive is connected to. This will usually be a SCSI interface, so you need to add the SCSI device name – such as squirrelscsi.device – and the unit number of the device. The other information describes the physical attributes of the drive and can usually found by either using Sysinfo or HDToolBox.

Generally the details set for the RAD are all you normally need for any type of drive.

```
StackSize
Priority
BlocksPerTrack
```

You can also supply which filesystem you want to use, in conjunction with CrossDOS this allows you to mount PC formatted drives. To do this you add:

```
FileSystem = L:CrossDosFileSystem
DosType = 0x4D534800
```

This tells the operating system to use CrossDOS to read the drive and so allow your Amiga to read PC drives. If you look at the PC0 driver, this sets up the floppy drive to read PC disks again using CrossDOS. If this seems complicated that is because it is, and I don't expect you to even try anything mentioned in the article as DOS drivers should be set for you, but at the very least just by knowing about them, if you do have problems you should be better equipped to sort them out.

Generally I find people tend to run into problems when installing CD drive son their machines, as this is the first time they comes across DOS drivers and it usually baffles them. Hopefully if you get a CD drive you should also get installation software that is supposed to set up a driver for you. If it has not then you will have to make your own and it should look something like this:

```
Device = whatever.device
Unit = 0
FileSystem = L:CDFileSystem
Flags = 0
BlocksPerTrack = 32
BlockSize = 2048
Reserved = 0
LowCyl = 0
HighCyl = 11000
Surfaces = 1
Buffers = 64
BuffMemType = 1
Mask = 0x7fffffff
GlobVec = -1
Priority = 10
DosType = 0x43444653
StackSize = 600
Mount = 1
```

Hopefully however you will have software as in the above driver the DosType value may be different on your system and may not work. Really the only thing you may have to change are the device and unit entries, that are probably better off as tool types for easy access via Workbench.

If anything goes wrong you will have to make sure that you have the correct device name (which is case sensitive) and unit number. This will normally be something like gvpscsi.device, oktagon.device, squirrelscsi.device or even atapi.device. You also need to check the unit number of your CD drive, if you are using an Atapi device this will normally be one. The final thing is the CD file system this should also be set for you, but if not then put it in the FileSystem entry.

Dave Cusick investigates the much over hyped world of Internet advertising

comms

Super Hypeway

For many people, such as myself, maintaining a homepage is nothing more than a hobby. Those of you who have visited my site will know that, whilst I have tried to make it reasonably readable and professional, it really only amounts to a few pages of moderately useful information about things of interest to me.

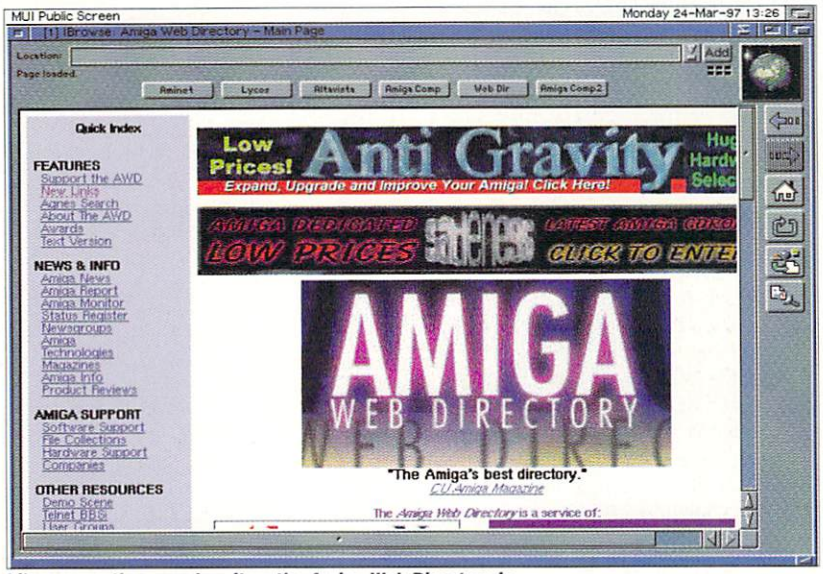
To the homepage hobbyist, the urge to advertise his homepage is principally driven by a desire to demonstrate his HTML handiwork to those who share his interests. Advertising need therefore only be a matter of joining the Internet Link Exchange (http://www.linkexchange.com) or a similar banner exchange service, registering with some of the more famous search engines, and offering to trade links with Webmasters of sites covering the same subject matter.

On the other hand, since the explosion in popularity of the World Wide Web, some dedicated Webmasters have managed to produce pages which have proved so popular that thousands of Surfers visit them daily; witness, for instance, Jerry Yang and David Filo, the two college boys whose collection of well-indexed links called Yahoo! became more popular than they could probably have dreamed. When a site becomes famous on that sort of scale, there is no longer such a need to advertise the site. Its creators can become full time Webmasters, and they can even begin selling advertising space on the site so as to cover costs and hopefully make a profit.

Of course, few sites are popular enough to be self-financing at this relatively early stage in the development of the Internet. Nevertheless the advertising machine looks set to play an increasingly large part in that process over the coming years, to the extent that every Webmaster may need to consider its implications.

The situation is confusing enough for the computer hobbyist, but consider for a moment the dilemma facing a computer-illiterate business person. These days there are numerous adverts in the traditional media telling companies that they simply cannot afford to ignore the enormous advertising potential of the Internet, and specifically the World Wide Web. Before they even get onto the Internet they must answer two important questions: What is the most effective way of establishing a Web presence, and is the investment really worthwhile? Assuming these issues are overcome and a company sets up a site, they must then negotiate the same advertising minefield as everybody else - but without the benefit old Internet hands have of having watched the situation develop in the first place.

Yahoo! is an example of just how popular homepages which start out as hobbies can eventually become



Like many other popular sites, the Amiga Web Directory is supported by advertising revenue from its banner sponsors

In an informative article on his Web site (at http://www.pawluk.com/pages/robbery.htm), Hal Pawluk reckons that around $300m (approximately £200m) was spent on Internet advertising in 1996. It is not yet really clear whether that huge sum was simply money down the drain – not least because, as Pawluk points out, charging a sum for displaying a banner advert a certain number of times differs in important ways to charging a sum for an advert in a magazine.

There are other potential problems too. Unfortunately, the sad fact is that wherever there is an opportunity such as that presented by the Internet, there will also be unscrupulous individuals or companies hankering after a quick killing. The Web these days is littered with advertisements for companies who say that they can list your Web site on numerous search engines, or display your banner on hundreds of popular sites, or earn you huge amounts of money by selling advertising space on your site to other people.

Some of these companies are totally above board, run by decent, genuine people in a professional manner. However a significant proportion of them are not. One of the most famously unreliable companies is The Commonwealth Network, whose exploits over the last few months have left plenty of hard-working Webmasters fuming. They are not the only villain out there and anyone thinking of paying for publicity would do well to check out Mark J Walsh's excellent site at http://www.caprobate.com/comm_net.htm, which contains detailed information about numerous companies and their performances before parting with any money.

The bottom line is that there are still enough free advertising services around for the Webmasters of smaller sites to market their creations perfectly adequately. Remember, a prominent link from a popular site to your related homepage will bring in far more visitors than any banner.

Contact

If you wish to contact me, my e-mail address is dave@dcus.demon.co.uk. Questions, suggestions and feedback are all more than welcome. I also have a homepage, which can be found at http://www.dcus.demon.co.uk/.

Paul Overaa outlines a way of getting ARexx script variables transferred into text files

Insertion using ED

From the description of ED's text insertion ARexx commands given in the manuals, it's easy to come to the conclusion that they only allow fixed text strings to be used. In actual fact you can use the contents of variables just as easily. The syntax of ED's 'insert after' command for example looks like this:

```
A/ /
```

In other words, the command that ED expects to see starts with the letter A followed by a slash sign and after that comes the text string that ED inserts into the file currently being edited. The terminal slash character is there simply to tell ED that the end of the string, and the end of the insert command, has been reached.

So far so good, but the important point now is this: Providing the resulting command that gets transmitted to ED is consistent with this format ED will neither care, nor in fact know, how the ARexx script actually created the command string. In other words instead of:

```
'A/Just a test/'
```

equally we could have sent the command to ED using:

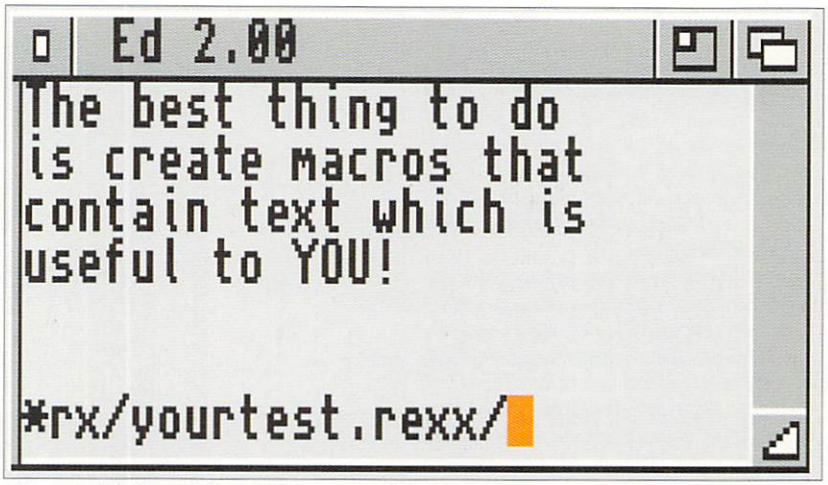
```
text='Just a test'
'A/' text '/'
```

One way then of writing a name and address insertion macro, for example, would be to use statements like these to insert the relevant pieces of text. If you did however, you'd find that each line would start with a blank space. The reason this happens is that when ARexx sees a number of static text strings (like 'A/'), or variables written together it effectively creates a new string by joining the various items together, separating them with spaces. In the case of the ED insert command ARexx therefore puts a space between the first slash character and the variable being used – and ED then assumes this space is the first character of the string to be inserted.

Luckily you can force ARexx to join text strings together without introducing additional blanks by using something called the ARexx concatenation

```
/* name_address1.rexx */
name='My name'
road='Some Road'
town='Some Where'
'T'
'A/'||name||'/'
'A/'||road||'/'
'A/'||town||'/'
```

Listing 1: This script eliminates initial blanks that would otherwise appear in the name and address lines



ED - undoubtedly archaic as editors go, but it's free and the ARexx links do add to its usefulness

operator ||. So, if we write the commands in the form...

```
'A/'||name||'/'
```

the inserted text line will correspond exactly to the contents of the variable being used (see listing 1 for an example script).

Polished Paul

I'm a great believer in clean looking scripts and one thing that can help is packaging up the awkward 'A/', '/' and || symbols so that we don't have to have the main part of the script cluttered with them. What's more, it's dead easy to do - take a look at this example for instance

```
InsertText: Procedure
parse arg text
return 'A/'||text||'/'
```

This definition simply declares InsertText() as a function that accepts a text string and returns a string that represents a properly formatted ED insert command. Notice that, in this case, we didn't even have to provide any real ARexx statements in the body of the function - the result we wanted was easy enough to write down directly as part of the return statement. So, with the InsertText() function now available the main part of our hypothetical name and address script can now be written in this form...

```
'T'
InsertText(name)
InsertText(road)
InsertText(town)
```

where all awkward ED-oriented command strings have been eliminated. If we now combine these statements, the variable initialisations, and the function definition, we end up with the script shown in listing 2. Slightly larger than the first version admittedly but nevertheless (to my mind at least) easier to read!

The real advantage to using variables in these types of insertion macros however is not for simple text insertion scripts but for generating things such as the results of calculations (listing 3, for instance, shows a script that will insert a lbs to ounces conversion table into a text file). Best of all, once you appreciate the general way this sort of code is written, you shouldn't find it too difficult to incorporate the same sort of ideas in your own ED macros.

```
/* name_address2.rexx */
name='My name'
road='Some Road'
town='Some Where'
'T'
InsertText(name)
InsertText(road)
InsertText(town)
exit
InsertText: Procedure
parse arg text
return 'A/'||text||'/'
```

Listing 2: In this version of the macro, all awkward command and string formatting details are hidden inside the InsertText

```
/* table.rexx - lbs to ounces table
insertion */
do lbs = 2 to 12
result=lbs*16
InsertText(lbs 'pounds =' result
'ounces)
end
exit
InsertText: Procedure
parse arg text
return 'A/'||text||'/'
```

Listing 3: This, more complicated, example uses a loop to insert a conversion table into a text file.

People have requested it, so Neil Mohr introduces HTML

publishing

Worldly wise Web

Every man and their dog is doing it, so why shouldn't you have a go? What am I talking about? Creating a Web page, of course or, to use that incessantly displayed word, homepage.

It may seem strange putting a guide to producing Web pages under the publishing banner, but that is exactly what you are doing; making you pages publicly available. Once on-line your pages are available to anyone with an Internet connection, which could be anywhere in the World. If they had a portable phone, they could even be in a hot air balloon

You may be now thinking: "What's the point for me, I'm not even on-line?" but you do not have to be on-line to use HTML (Hypertext Markup Language). All browsers are just at home navigating pages from a hard drive, as they are over the Internet. Just to prove the point there have been a number of recent programs and CDs that use HTML for their documentation. So as long as you have a browser you can join in.

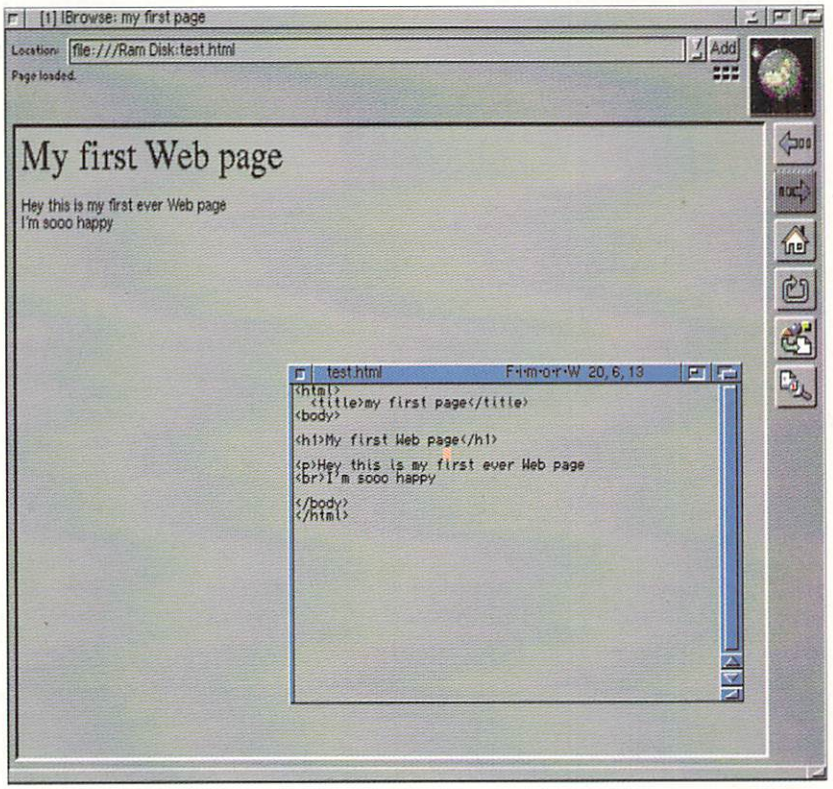
The second bit of good news is, apart from a browser, the only other piece of software you need to create Web pages is a text editor. This is because all Web pages are simply plain text files and is why HTML has been accepted so quickly by the entire computing world. Basic HTML is not fancy at all, in fact it is quite restrictive and many designers do not like it. The reason behind this is that HTML lets you describe what a page should look like, but in general and not explicit terms.

This is done by using tags which mark a section of the document as a specific style, format or type of object, such as a picture or link (which we will look at later). Probably the best way to explain is to look at a basic page.

```
<HTML>
<TITLE>First Web Page</TITLE>
<BODY>

<H1>My first Web page</H1>

<P>This is the first thing I have ever done,
<BR>and I sooo happy

</BODY>
</HTML>
```

If you type this in your text editor, save it off and load it into a Web browser, you will have a none too impressive sight, but then this is about as minimal a page as you can get.

The results are not really important, what is, is that you understand why the page looks like it does and how the tags used do their job, essentially all tags work the same way. Looking at what you typed in, you will notice that there are a good number of words surrounded with angle brackets, <>, these are the HTML tags I have been talking about. When a Web browser reads in a page, anything found enclosed with angle brackets is interpreted as HTML tag used to format the page.



It may not look special at the moment, but soon you will be able to make great looking pages

HTML TAGS

Starting at the top, the first tag is <HTML>, all Web pages have to start with this as it tells the browser that yes, this is an HTML page. You should have also noticed that at the end is an accompanying </HTML> tag, this marks the end of the HTML page and, again, you should always have one.

As a general rule in HTML, if you have a starting tag such as <HTML> there is a corresponding closing tag. The closing tag is always the same as the opening tag but with a forward slash put at the start. Hence <HTML> and </HTML>.

You can see this again on the second line, the <TITLE> tag follows the opening HTML tag and sets the window title displayed at the top of the browser window, you mark the end of the title by using the closing </TITLE> tag.

On the third line is the <BODY> tag, this marks the start of the displayed part of the HTML page, again the end of the displayed part of HTML page needs to be marked with the closing </BODY> tag. Everything between the two <BODY> and </BODY> tags is what the browser expects it should display in its window.

This takes us onto the remaining three lines. When it comes to text, a browser will not perform any type of formatting except for word wrapping, unless there is a specific style tag saying it should do so. So, even if you nicely format text by hand, putting tabs and returns in your text editor, they will all be ignored by the browser and your text will just come out as a big block.

If you want a new paragraph you have to use the new paragraph tag, for a line break, use the line break tag and for a heading, the heading style tag is very handy. These are the three types of tags used in our little example and provided the basic text formatting of every Web page.

Paul Overaa prepares the ground for some beta testing

assembler

StampOnIT! Part 4

With so much ground covered in recent instalments it may have seemed like quite a hard slog at times. Nevertheless, by last month we'd got to the point where a directory can be selected using the asl requester and the names and datestamps of the files present both stored and displayed.

Luckily this month's alterations, which bring us to the point where those all important date stamp files are produced, are straightforward. We just need to modify each filename and produce the corresponding set of new files holding the contents of the associated datestamps that we've identified.

The first step in this scenario involves building a new file name and I've chosen to add '.ds.' extensions to each original name. A file called somename.txt would therefore end up having the date on which its contents were last changed being held in a file called somename.txt.ds. Filename alteration can in fact be carried out from within the DisplayDates loop that we've been using to print the directory filename entries on the screen.

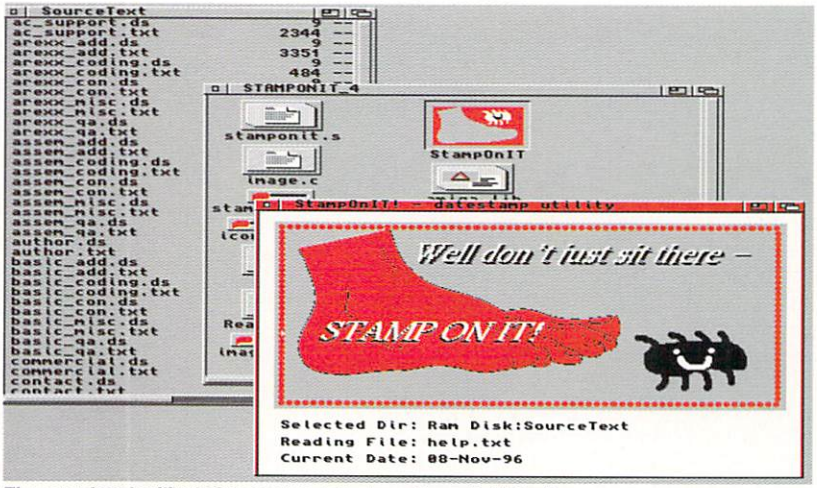
You'll know from earlier code that this loop-based routine uses register a0 to identify the start of each name present in the filename buffer. It's easy enough therefore to copy this pointer and, by increasing it within a second loop, scan through a filename looking for its terminal null character. Once found we then replace it with a period, add the additional characters 'd' and 's', and insert a new terminal null to complete the name alteration (see listing 1).

With the amended filename available it's then necessary to add device/drawer details to produce a valid filepath. The approach I've adopted is to set up a separate buffer (called full_filename), copy the currently selected directory to it and then use the DOS library's AddPart() function to produce the target name. When the device/drawer details are first collected, I've chosen to store the location of the terminal null character. By replacing this character after any given filepath/name has been used, I'm able to reinstate the device/drawer part of the name without recopying the original entry held in the asl requester.

Listing 2 shows the completed WriteFile() routine that prepares a target filename, opens the file

```
            move.l      a0,a2       copy name pointer
.loop3      cmp.b       #NULL,(a2)+
            bne.s        .loop3
            suba        #1,a2
            move.b      #'.',(a2)+  add .ds extension
            move.b      #'d',(a2)+
            move.b      #'s',(a2)+
            move.b      #NULL,(a2)
```

Listing 1: A simple loop like this is all that is required to produce the modified filenames needed for date stamp file creation.



The completed utility being used to datestamp the set of files I use for my corner of the Amiga Computing Web site pages.

using the DOS library's Open function, writes the associated date characters held in the datestamp buffer by making a call to the DOS Write() routine and then closes the file.

Testing time

And that's it. With the two additional routines in place, the utility is complete. You'll notice from the latest coverdisk source that one or two other minor changes have been made since last month. I have, for instance, added extra IntuiText structures for labelling the selected directory, file, and datestamp info. The position of the displayed text has also been altered a little but all these details are going to be easily visible from the source itself. What is perhaps less obvious however, is that, although the utility is now essentially complete, something else is needed.

Although a relatively small utility, StampOnIt has still involved an assembler source of over 20K and, with low-level coding being error prone at the best of times, StampOnIt now needs a few months of testing before it can be considered as safe for general use. You should therefore regard the completed utility as now being in it's 'beta test' phase. Usable but with care!

My advice is to make a copy of any drawer you wish to work on and datestamp that rather than selecting your original files. That way if anything untoward does happen, your original files will still be intact. What sort of things could go wrong? Well, suppose for example there was a fault in the loop that added the filename extensions so that, under some circumstances, filenames did not get altered before the new datestamp files were produced. In this case the contents of all original files would be overwritten as the routine creating the datestamp files used those original filenames.

Needless to say I've checked for, and hopefully avoided, any such catastrophic errors but with so much 680x0 code involved you can never initially be 100 per cent sure that silly coding slips have not got through. Hence the need for suitable initial usage caution on your part.

```
ConvertDates        lea         filenames,a0
            lea         datestamps,a1
            lea         itext3,a3
            lea         itext4,a4
            move.w      filename_count,d0
            subq        #1,d0
.loop4      move.l      a0,it_IText(a3)
            move.l      a0,it_IText(a4)
            jsr         PrintFileName           print details
            adda.l      #32,a0
            adda.l      #ds_SIZEOF,a1
            jsr         ConvertDate
            dbra        d0,.loop4
            rts
; ---------------------------------------------------------------------
ConvertDate         rts
; ---------------------------------------------------------------------
```

Listing 2: Once the filename and date stamp details have been collected this loop code processes the individual entries

FREE DISK CATALOGUE

DON'T BE DECEIVED by our small advert. We are now in our sixth year of trading and stock thousands of PD titles (from only 60p) and CD Roms.

The Amiga has had a hard time over the last few years, but there is still a vast amount of PD software available. So do your Amiga a favour and claim your **FREE** catalogue, listing all our titles by sending an SAE to:

PATHFINDER PD (AMC),
41 Marion Street, Bingley, West Yorkshire BD16 4NQ
Tel/Fax: 01274 565205.
Email: Sales@pathpd.demon.co.uk
or download it from our new Internet web site:-
http://www.pathpd.demon.co.uk

JUST CHECK OUT OUR PRICES!
100 Disk Labels £1.45; Mouse Mat £1.99
Disk Drive Cleaning Kit £2.50
A1200 Dust Cover £1.99
Post & Packing for orders under £6 is just 60p and **FREE** for orders over £6

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: 0181-657 1617

1-3 disks £1.50
4 or more ONLY £1.25!
FREE P&P

UK Customers call 01709 888127

UKS Customers call 0-800-426-7687

Exclusive Amiga Titles

5D Software (AC)
1 Lower Mill Close
Goldthorpe, Rotherham
S63 9BY
Amiga 5D & F1 Licenceware
Amiga & PC Public Domain
Amiga & PC CD-Roms

Sagittarius Software (AC)
1706 Canton Road
Akron, OH 44312
USA
Amiga 5D Licenceware
Vulcan Software

Call your local dealer for details of our superb Amiga range. Games, Utilities and Educational programs starting from just £3.95/$6.50. A catalogue disk is available detailing the full range for just £1 (refundable with first order over £5) UK only. Most of the products have demo disks, so you can try them out first.

Please use your local dealer for catalogue disk and make payment to the selected company

Websites http://www.ware5d.demo.co.uk
http://sagsoft.ald.net

MasterCard VISA DELTA

KOBRAHSOFT QUALITY PD

Don't be caught out by buying cheap, poor quality PD – **WE SELL THE BEST!**
If we haven't got what you want, please tell us and we'll get it –
over 8000 titles available, **speedy** delivery. We sell all the latest versions...

1 - 4 disks £1 each
5 disks £1 each plus 1 single program FREE
6 - 9 disks £1 each
10 disks £1 each plus 2 single program disks FREE
More than 10 disks £1 each plus 3 single program disks FREE

GAMES		UTILITIES
Casino		Lottery
Pacman		Degrader
Ninja HFI	All	Executive
Masterblast	disks	New Mode
Strike Command	£1	Aminet Search
Deluxe Galaga		Phonecall
Timb Bomb		Multipaint
Powerball		Handyman
Nobler		Scriptmaker
Tetris		Recall

Catalogue disk FREE
Send a cheque/PO payable to Mr K P Cope to:
Pleasant View, Hulm Lane, Hulm, Longton, Stoke-on-Trent ST3 5BH
or phone 01782 305244

WANTED

★★★

A2000 COMPUTERS

New or Used
(NTSC or PAL)

Call Toll-Free: 800 595 5534
Telephone (914) 578-6522
Fax (914) 578-6550

PAXTRON CORPORATION
28 Grove St., Spring Valley, NY 10977

FREE FREE UNDERGROUND FREE FREE

GAMES CHEATS 1.4 EMULATOR ON ALL ORDERS

LIBRARY DISK POST & PACK ON ALL ORDERS

PLATFORM GAMES
- 1330 CAPTAIN BONUS
- 1233 ROACH MOTEL
- 1445 10 C.W. GAMES
- 1553 LANCE-O-LOT
- 1462 CHARLIE COOL
- 1701 ITS HIDEOUS
- 1684 THE BIRDIES
- 1819 A12 DANGER DOG
- 1878 JUMPMAN DELUXE

SPACE BLASTERS
- 911 SOLO ASSAULT
- 906 OBLITERATOR
- 498 THE LAST REFUGE
- 1434 SPACE BLASTER
- 1789 MEGA TYPHOON
- 1855 A12 SPEEDBREAK
- 1885 BLASTED
- 1904 CREEPY CRAWLIE
- 1921 WITNESS
- 1935 SPACE ESCAPE
- 1942 GALAXY BLITZ

ARCADE GAMES
- 555 HUGO V2.5 DISK
- 273 KELLOGS EXPRESS
- 1368 ALIENS F.F.
- 1338 STRIKE COMMAND
- 1500 U.P.D. 24 GAMES
- 1880 A12 SLIPSTREAM
- 1908 A12 FLY TIGERS
- 1944 POSIDEN

P.D. VERSIONS
- 025 HUNTER PLUS
- 815 LEMMINGS PACK
- 023 RICK DANGEROUS
- 1457 TI-FIGHTER
- 022 THE GODS
- 026 ROBOCOP V2
- 1703 S.W.O.S. EARTH
- 1702 S.W.O.S. MOON
- 1778 PINBALL FANTASY

COMBAT GAMES
- 941 FATAL BLOWS
- 938 MARTIAL SPIRIT
- 290 FIGHT WARRIORS
- 1238 WEAPON MASTER
- 1428 CYBERGAMES 3DSK
- 1548 FIGHT A1200
- 1720 A1200 SAMURI

CLASSIC GAMES
- 011 ASTEROIDS
- 693 MISSILE COMMAND
- 778 OVERLANDER
- 692 SPACE INVADERS
- 841 COOKIE
- 308 DONKEY KONG

DRIVING GAMES
- 951 FLAMING ENGINES
- 1469 THE ROAD TO HELL
- 1417 MANG FENDERS V2
- 1466 A12 KNOCK OUT
- 1642 A1200 EX RACING
- 1705 A12 AER RACERS
- 1893 BOSSCAR
- 074 F1 EDITOR 96/7

SIMULATORS
- 332 SEALANCE-SUB
- 333 BATTLE CARS V2
- 926 HELICOPTER
- 1273 A12 TRAIN DRIVER

SPORTS GAMES
- 1014 CRAZY GOLF
- 630 TEN PIN BOWLING
- 1171 2 DSK CRS-ANGLER
- 1373 ICE HOCKEY
- 1317 A12 GON FISH'N
- 1465 A12 2 DISK TENNIS
- 1251 TOUR TENNIS
- 1630 INTER CRICKET
- 1700 GOLF 9 HOLES

HINTS & CHEATS
- 418 1000 CHEATS
- 931 BACKDOOR V3
- 821 PASSWORD MANIA
- 813 GAME TAMER V4.5
- 820 MEGA CHEATS
- 681 SIERRA SOLUTIONS
- 1118 UP TO DATE V1
- 1358 GAME SOLUTIONS
- 1653 SOLUTIONS V3
- 1651 SOLVES 6 DISK

OVER 18 GAMES
- 1307 TERRORLINER V3
- 997 2DSK ADVENT V1
- 1001 2DSK ADVENT V2
- 101 TERROR LINER V1
- 1081 ADULT TETRIS
- 1248 STRIP POKER
- 1145 A12 NUMBERS V1
- 1335 ADULT DROIDS
- 1533 DRAGONS BALL
- 1517 ADULT BOMBER
- 1643 TERROR LINER V4
- 1654 LEGO BREAKOUT
- 1768 4 DSK A12 ADVENT
- 1906 BLIND DATE

TETRIS - COLUMNS
- 294 KLACK-TRIS COLMS
- 107 TWIN-TRIS TETRIS
- 293 DR-MARIO COLMS
- 1602 SUPER FOUL EGG
- 1627 PILL-MANIA
- 1866 WALL STONES
- 1919 VANILLA TETRIS

PAC-MAN GAMES
- 1096 PUC-MAN
- 1138 A12 CYBER MAN
- 1346 WABES PAC MAN
- 1648 A12 BOBS LEMON
- 230 SUPER PAC MAN

BREAK-OUT & PONG
- 003 MEGABALL V1
- 459 MEGABALL V2
- 1459 CYBERSPHERE
- 559 MEGABALL V3
- 1704 BORIS BALL
- 1853 DOUBLE BATTLE
- 1924 OUTSIDE BREAK

BOULDERDASH GAMES
- 1527 ICE MINE PRO
- 1595 NEW MINES
- 1569 BUG MINES
- 1572 UNDER MINES
- 1573 GOLD MINES
- 1577 EMERALD HEAD
- 1580 EXPERT MINES
- 1582 DENMARK MINES
- 1583 STYX MINES
- 1892 SPACE MINES

PUB-CLUB GAMES
- 1304 CHECKERS V2
- 222 FRUIT MACHINE
- 375 CARDS SOLITAIRE
- 1246 AMIGA CRIBBAGE
- 1362 PUB DARTS TOUR
- 560 WORLD DARTS
- 1450 SAT SNOOKER
- 1112 A1200 X CARDS

BOARD GAMES
- 910 NEW MONOPOLY STAT
- 631 SCRABBLE
- 476 CHESS GAMES
- 1433 LIFTS & LADDERS

ADVENTURE GAMES
- 116 STAR TREK 2 DISK
- 297 NEIGHBOURS 2 DISK
- 1503 4DSK A.N.G.S.T.
- 1711 A12 INGENIOUS
- 1671 BREED 1996
- 1753 A1200 GLOOM
- 1894 TIME RUNNER V2
- 1925 DUNGEONS

STRATEGY GAMES
- 876 GLOBAL NUKE WAR
- 826 IND-ESPIONAGE
- 1182 A12 NIGHTMARE
- 1170 A12 LORDS 2 DSK
- 1431 UFO UNCLOTHED
- 1547 SOLO STAR-TREK
- 1623 FLEET 2-MEG

PUZZLER GAMES
- 953 CHANEQUE 2 DISK
- 1135 SPRING TIME
- 1211 AMIGA GEMZ
- 859 10 PUZZLERS
- 1550 PUZZLE PITS
- 1546 EXPERT BALLS
- 1633 THE WOOGLIES
- 1765 BRAIN BALLS
- 1764 BRIDGE BALLS

MANAGER GAMES
- 876 SCOTTISH LEAGUE
- 321 AIRPORT
- 443 SLAM BALL
- 817 BLOOD BALL
- 1429 ULTI MANAGER
- 1699 PREMIER PICS
- 1763 AIR TRAFFIC
- 1771 MICRO MART 3

QUIZ GAMES
- 1031 TREK TRIV 5 DISK
- 716 POP MUSIC QUIZ
- 309 THE QUIZ MASTER
- 462 WHEEL OF FORTUNE
- 1597 QUIZ 555
- 1683 HOLLYWOOD TRIV
- 1670 A12 DEATH ROW

LOGIC GAMES
- 1037 MARBLES GAME
- 1035 ATOMIC GAME
- 119 DRAGON'S TITLES
- 112 DRAGON'S CAVE
- 369 BOOM'IN ECK!
- 1477 BOMB MANIACS
- 1476 MARBEL-LOUS
- 1687 TILE MANIA
- 1922 LOGICS

AMIGA LEISURE
- 205 AMIGA PUNTER
- 228 PERM CHECKER
- 1210 LOTTO LUNATIC
- 1438 A-GENE V5
- 1594 LOTTERY SYSTEM
- 1682 THE PHYSICIAN
- 1840 SUFOPIA U.F.O.

A1200 MEGADEMOS
- 1270 DOOM RAVE
- 1220 AMIGA JAMMIN
- 1165 VENTILATOR
- 1414 2 DISK DOVE
- 1415 MYSTIC ILEX
- 1685 DISK JADE
- 1725 DREAM WITH ME
- 1783 FATAL MORGANA
- 1939 ATMOS-FEAR

AMIGA MEGADEMOS
- 460 TEKNO RAVE
- 1015 2DSK TAZ QUEEN
- 1120 2DSK TAZ-QUEEN 2
- 1104 2DSK OXYGENE
- 1084 ASCII NOT 1.3
- 1785 TECHNO TRACKS
- 1816 BATMAN 2 DISK

A1200 SLIDE SHOWS
- 740 4 DISK MANGA
- 1271 PIXEL STORMS
- 1193 LEMMINGTONS
- 1646 MISS MANGA
- 1650 STARFLEET 3DSK

AMIGA SLIDE SHOWS
- 704 REVELATIONS
- 061 PAT NAGEL'S GIRLS
- 936 AVIATION HISTORY
- 1498 NIGEL MANSELLS
- 1472 YABA DABA DO

ARTWORK PACKAGE
- 063 ULTRAPAINT
- 349 SPECTRA COLOUR
- 748 ILLUSION PAINT
- 1460 A-Z PAINT PAD
- 1565 CARTOON STUDIO
- 1707 PERFECT PAINT
- 1760 JNR PICASSO

ARTWORK PROGRAMS
- 1299 A12 MAGNI-CAD
- 071 GRAPHICS CON KIT
- 070 GRAPHIC UTILS
- 133 FRAC LAND BUILD
- 1026 PICTURE LAB

ANIMATIONS
- 084 PUGGS IN SPACE
- 233 COOL COUGAR
- 651 FAIRLIGHT 242
- 831 RED DWARF
- 475 BAIT MASKING
- 347 NEWTEK V3 2 DISK
- 187 ANIMATION STUDIO
- 1447 2 DISK JAP MANGA
- 1784 BAIL OUT VOL 3

AMIGA VIDEO
- 329 VIDEO INSCRIPT
- 790 VIDEOTRACKER 5 DISK
- 148 S - MOOVIE

MUSIC MAKERS
- 220 FUNK KEYBOARDS
- 431 RAVE KEYBOARDS
- 661 MED WORKSHOP 4DISK
- 202 MED V3.2
- 729 DRUM MACHINE
- 787 SONIC DRUM KIT
- 738 OCTAMED V2
- 136 THE ART OF MED
- 192 THE COMPOSER
- 618 MUSIC DATABASE
- 981 AUDIO ENGINEER
- 1268 HIPPO PLAYER
- 1681 PROTRACKER 3.5
- 1791 OCTATUTOR V5

CLASSIC – POP
- 1029 COTTONEYE SONG
- 201 PIANO CLASSICS
- 234 VIVALDI 2 DISK
- 342 AMIGA-DEUS
- 213 DIGI CONCERT V2
- 620 BAGPIPE MUSIC
- 248 EXPRESSION V2
- 473 RHYTHM'S DANCER
- 1357 2 MEG DACO V1
- 1759 GUITAR BLUES
- 1757 HEAVY METAL
- 1800 TEKNO MAGE 96

SAMPLES – MODS
- 660 KORG 01W 8 DISK
- 647 SOUND FX 3 DISK
- 619 DRUMS 2 DISK
- 1666 URBAN 6 DISK
- 1588 DANCE 5 DISK
- 1258 MOVIE SAMPLES
- 1828 NEW WORMS SFX
- 1861 MONTY PYTHON
- 1850 ANSWER-PHONES

AMIGA EMULATION
- 423 2 DISK SPECTRUM
- 889 PC EM 2 DISK
- 327 ACTION REPLAY
- 955 DOWN TO A500
- 313 UP TO A500 PLUS
- 414 UP TO A1200

DISK COPIERS
- 727 MULTI TASK (MT)
- 158 X.COPY PRO
- 357 COPY AND CRACK
- 325 LOCKPICKER V2
- 1667 COPY & CRACK V2
- 1896 COPY & CRACK V3

HARD DRIVES
- 779 W/B 3 INSTALL
- 780 W/B 2 INSTALL
- 621 H/D STACKER
- 490 8 DISK MAGIC W/B
- 957 GAME INSTALL V2
- 1141 GAME INSTALL V3
- 1199 GAME INSTALL V4
- 1692 A BACKUP V5
- 1674 CD ATAPI
- 1775 2 DISK MUI 3.6
- 1770 2 DSK ERROR TALK
- 1938 GAME INSTALL V5
- 1941 GAME INSTALL V6

PRINTING
- 243 AWARD MAKER 4DSK
- 065 AMIGA FONT 7 DISK
- 100 PRINTER DRIVERS
- 048 PRINTING STUDIO
- 345 BANNER MAKER
- 057 TEXT ENGINE V4
- 394 INVOICE PRINT
- 749 FORM PRINTER
- 1658 CARD AND LABEL
- 1842 PRINTMASTER

AMIGA BUSINESS
- 832 DATABASES 2 DISK
- 092 ACCOUNT MASTER
- 470 LITTLE OFFICE
- 244 SPREADSHEET
- 535 UK S.T.D. CODES
- 1464 DIARY 2000
- 1368 AMIBASE V4
- 1758 DAILY LIVING

COLOUR CLIP ART
- 637 6 DISK COL/BRUSH
- 633 7 DISK CLIP ART
- 901 9 DISK WORLD MAP

MONO CLIP ART
- 172 15 DISK PORTFOLIO
- 558 7 DISK CLIP ART

AMIGA MODEM
- 702 COMMS TUTORIAL
- 413 N. COMMS V3
- 079 OPTICOMMS V2
- 1032 MAX BBS PROG

PROGRAMMERS
- 288 A-BASIC TUTOR
- 306 UNDERSTAND AMOS
- 722 TONS OF AMOS
- 1067 AGA DATATYPES
- 1691 NORTH C
- 1754 AMIGA DOS FRAU

DO IT YOURSELF
- 239 SLIDESHOW MAKER
- 808 MAKE A DISK
- 242 MENU MAKER
- 1154 HEDLEY GUIDE A12
- 1903 MAKE A DISK V2

VIRUS CONTROL
- 506 A1200 VIRUS
- 160 M.V.K. PLUS

AMIGA UTILITIES
- 1030 A12 DIONIC TOOLS
- 612 4 DSK TOOL KIT
- 1629 UN-ARCHIVER

DISK & SYSTEM
- 166 SYSTEM TESTER
- 467 FILE UNDELETE
- 194 DISK OPTIMISE
- 356 ENGINEERS KIT
- 245 FIX DISK
- 168 HARDWARE MANUAL
- 1881 HARDWARE MODS

AMIGA EDUCATION
- 766 GEOGRAPHY
- 532 MATHS 5 DISKS
- 644 ENGLISH 4 DISK
- 486 LANGUAGES 4 DISK
- 270 PLANETS 6 DISK
- 304 ENGINES 5 DISK
- 1269 DPAINT 4 TUTOR
- 937 A1200 / 600 TUTOR
- 1361 2 DISK INTERNET
- 1360 AMIGA GUIDE
- 1918 KLINGON TUTOR

DISKS COST £1.50 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: 01702 295887

Name:..... Amiga Model:.....

Address.....

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

LIAGE INTERNATIONAL

36 Dye Street Garnerville, NY 10923

914 786-1711 Voice – 914-786-1708 Fax
Email: liage@qed.net
Homepage: http://www.qed.net/liageinc/

1-800 25 AMIGA
Outside N.Y.

NEW!!
IN-TO-THE NET CD
PLUS **FREE** OUT OF THE NET CD
EVERYTHING YOU NEED TO GET ON LINE **SPECIAL $18.95**

THE KARA COLLECTION CD

A professional and unique collection of fonts, backgrounds special effects, animations, titling and presentations. 80 color fonts including effects such as bricks, glass, chrome, etc., plus hundreds of alterntive color palettes, animated letters with effects like handwriting, rotating characters, static wipes, sparkles, & more. Animated space objects such as earth asteroid, comet, etc. Textures and backgrounds like granite, marble, sand-stone, wood etc. PFM & colorType software to edit all fonts. Includes additional printer downloadable fonts in B/W. Anim-Brush upgrade for Personal Paint up to version 6.4. Awesome Collection.

LIAGE SPECIAL PRICE $49.95

RETRO GOLD CD

Spectrum & CBM 64 Emulators with games for both Amiga & PC. Includes over 3,000 games and 1,200 CBM 64 Games for use from the CD on an Amiga or PC

LIAGE SPECIAL PRICE $21.95

NEW AMINET #17

Since the release of Aminet 16, hundreds of megs of new software has been uploaded to the Aminet site. There has been so many uploads to the Aminet site since the last release, that there was no room for a theme on this CD. This is the very latest & greatest.

LIAGE SPECIAL PRICE $17.95

INSIGHT DINOSAURS CD

Fantastic Multimedia Encyclopedia of Dinosaurs on CD.

LIAGE SPECIAL PRICE 6.99

WOMEN OF THE WEB CD

This exciting new multimedia experience brings all the latest technology to your home. Using pictures, text files, animations and sound samples. Over 450 Megs of information on over 250 of the world's most beautiful and famus women. Color Images & Video.

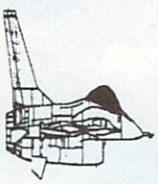
LIAGE SPECIAL PRICE $31.95

POPULOUS II – PLUS EDITION

Featuring : The Challenge Series Games, 40 unique challenges, 500 worlds Populous II Trials of the Olympian Gods. Incredible, probably the best video game in the World... Amiga CU Rated 97%. Addictive... You could play until the Gods come home. Over 35 Supernatural effects. Create your own God. Design your own cities. Ancient monsters including Medusa and Kraken. Billions of worlds to support. 2 player modem support. Plus much more!

LIAGE SPECIAL PRICE $18.95

DAWN PATROL



The AMIGA FLIGHT SIMULATION OF THE YEAR. The aeronautical experience of a lifetime, 13 period aircraft. Over 150 missions. Over 4 times the resolution of standard VGA flight sims. Awesome!!

LIAGE SPECIAL PRICE $16.95

ORDER TODAY!! Don't Miss Out

SUPER SKIDMARKS

The racingest, chasingest game in Amiga history has just got 200 times better. More cars, tracks, player options, and more view modes makes this the biggest & best racing game ever. Change your underware, grab your joystick and lets go.

LIAGE PRICE $29.99

CANNON FODDER Platinum Edition

"Brilliance, sheer unadulterated Brilliance". Excellent characters. Amiga Format Gold 95%. War has never been so much fun. Shoot anything that moves, throw grenades, shoot bazookas, drive tanks, fly choppers, split up and do your own thing. But please don't leave the screaming wounded to die. Bite the bullet, so to speak and do the decent thing; finish them off.

LIAGE SPECIAL PRICE $18.99

SYNDICATE Platinum Edition

One of the best games ever to appear on the Amiga. An instant classic. Top-grade entertainment of the highest order. In the dark and twisted cities of tomorrow, corporate syndicates compete for global dominance. Compete with 8 other Syndicates for control of over 50 territories.

LIAGE PRICE $18.99

ARCADE CLASSICS PLUS CD

Arcade Classics Plus contains hundreds of variations of all your favourite games. Includes: Pacman, Asteroids, Invaders, Galaxians, Donkey Kong, Pengo, Tetris, Defender, Frogger, Missile Command, Battlezone, Tempest, Combat, Tron, Space War, Thrust, Q-Bert, Lode Runner, Hunchback, Moon Patrol, Trail Blazer, Breakout and loads more.

SPECIAL AT $20.95

AMINET 16 or 17 $17.95

THE EPIC INTERACTIVE ENCYCLOPEDIA CD

This New CD is an Exciting new Multi-Media CDROM. It features a superb 256 color interface, hundreds of film clips, sound samples and subject information. Features include: True Multi-Media Interface unlike anything ever seen. The very latest information from around the world. Thousands of subjects covered from Aachen to Zurich. Hotlist editor so you can create lists of particular subjects. Fully spoken Media Show, hundreds of images, import new subjects from the Internet or form floppy disk. Export data to printer or file and use it in your own projects. Search and deep search facility. Create and add your own subject matter.

LIAGE SPECIAL $45.95

DUNE II BATTLE FOR ARRAKIS

The best strategy game ever. Awesome graphics, incredible music & sound effects. Frantic & exciting. Fight for control of Dune. 3 Armies, but only one can survive. Your battle begins NOW!

LIAGE SPECIAL PRICE $18.99

SPACE HULK

The graphics are fantastic. Plenty of action and gripping play. Addictively challenging. A derelict spaceship is infested with Genestealers. Immensely fast, immeasurably strong, these insectoid beasts from hell breed by planting their genes in living humans. Bolt on your power armour and awesome weaponry. You're going in. Terrifying real-time combat. Lightning fast freeze time Strategy. Over 50 deadly missions including Death Wing Campaign. 12 weapons including Lightning Claws and Assault Cannon. 5 man squads or multiple troops.

LIAGE SPECIAL PRICE $18.99

VALHALLA & THE LORD OF INFINITY

The first ever speech adventure. Four long years have passed since Infinity murdered Garamond, the King of Valhalla and claimed the crown, yet Garamonds young son and heir to the throne escaped the slaughter. Now come of age, the Prince is returning to enact vengeance for his father's death and claim his birthright...
You are the Princes mentor on his quest, inching your way through four vast lovels in the chilling castle of Valhalla. You encounter a world crammed with logical puzzles and richly interactive characters. The cinematic graphics are dazzling, the spine tingling sound track mesmerizing, in this magical world of words that redefines the adventure game. 96% Rating.

LIAGE SPECIAL PRICE $

VALHALLA BEFORE THE WAR

The second ever speech adventure. In this sequel to the blockbuster, Valhalla I, you play Infinity's mentor on his quest of hatred in which murder is the ultimate goal. Infinity has been jealous of his brother, the good King Garamond for as long as he can remember, and all for a twist of fate. Infinity had been born to late to be King. Set in the Mystical castle of Valhalla, you encounter a horder of brain melting puzzles through four vast levels of dazzling graphics and exceptional game play in which the art of communications is the name of the game.

LIAGE SPECIAL PRICE $18.95

CHILDRENS' CORNER

All Floppy Titles
Bully's Sporting Darts
Dinos Detective Agency
High Steel
Huckleberry Hound
Playdays Paint
Postman Pat 3
Operation Hormuz
Snapperazzi
Sooty's Fun with Numbers
Sooty & Sweep

$5.99 EACH

WOW!

Thomas The Tank Engine $6.99
Thomas's Fun with Words $6.99

NOTE

Add $5.50 Minimum for shipping (UPS Service) Within the USA. International orders must use Credit Card, or International Money Order.
All prices subject to change, subject to stock on hand.
NY residents subject to state tax.
VISA/MC/ DISC/AM. EXPRESS

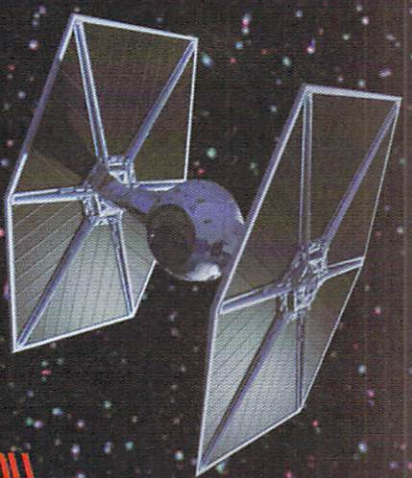
AMIGA ACTION

"Look at the size of that thing!"

A long, long, long, long time ago, in a galaxy far, far, far, far away...

It is a period of civil war. Amiga Action spaceships, striking from a hidden base, have won their first victory against the evil Galactic Empire.

During the battle, Amiga Action spies managed to steal secret plans to the Empire's ultimate weapon, the Death Dag, an armored space station with enough vile power to pollute an entire planet.

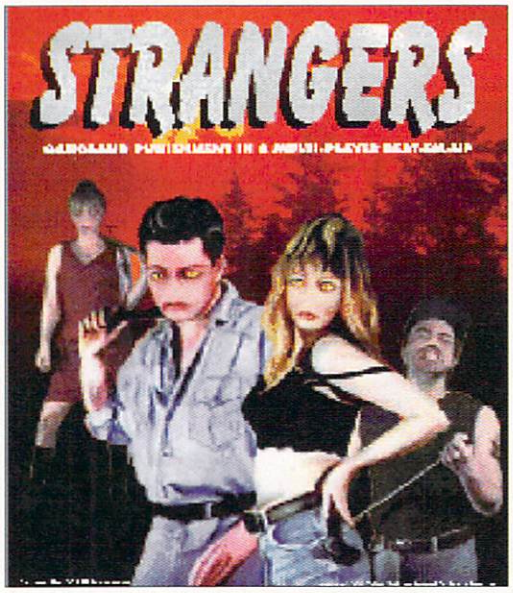


Flushed with success and pursued by the Empire's sinister agents, Prince Neil races home aboard his Rebel starship, the Clagnut. He is custodian of the stolen plans that can save his people and restore freedom to the galaxy...

AMIGA ACTION news

The Amiga is bought and a host of excellent new games are on the horizon **Hugh Poynton's** explores the exciting, all new world of Amiga...

VULCAN'S MANAGEMENT IN ZOMBIE SHOCKER



"Darling, it's Valentine's Day, the birds are singing and the flowers smell sweet. I want us to immortalise our love for one another by dressing up as zombies and appearing on the front of a computer game box" he cooed.

"Oh Paul, you're so, so romantic" she replied. Are these the sweet nothings to be heard over the breakfast table of chez Cunningham a few months ago? Long hours and the pressure and strain of churning out loads of games for the Amiga has obviously been too much for Vulcan bosses Lisa Tunnah and Paul Carrington.

The hypnotic trance inducing glare from their PAL monitors has turned their eyes green and induced them to go on a violent rampage on the front of the box of forthcoming Vulcan title, Strangers AGA. Study our damning photographic evidence.

DELVELOPERS DATABASE

Philip Crosby, the man behind the Amiga Flame Web site, has announced he is to establish a database of computer programmers and developers. *"I have seen many companies trying to get new members of staff to help them develop games for the Amiga. It isn't easy to do this with developers consisting of only a few friends who want to make a game but need the help of someone in a peculiar field" Philip commented.*

He went on to say, "Many of them still develop their games but you can see areas where the game is lacking. I have had enough of seeing a game that could be so much better if only they had that programmer or musician. I have decided to offer the services of the Amiga Flame Web site to help new games developers and companies get the people they need to develop the games they want to make."

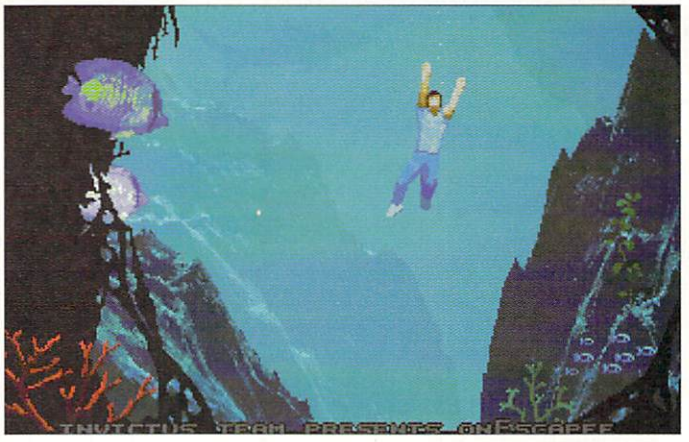
Hopefully the database will enable programmers and developers to contact one another so the right people can be found for the projects that suit them the most. In addition to this, Philip and Paul Carrington from Vulcan Software have collaborated to produce a Web page entitled 'How to

More OnEscapee

More details have emerged about the OnEscapee action/adventure game being developed by Hungarian developers, Invictus. OnEscapee includes an enhanced mixture of Another World and Flashback. The Invictus Team is looking for a publisher for this excellent game and judging by the screenshots, I don't think it will be too much of a problem.

The game is CD-Rom only as it contains plenty of detailed graphics, animations and digitised music. The intro of OnEscapee is currently 9Mb in size and the preview of three levels is 50Mb, so you can see it is going to be big.

The storyline is, as yet, unclear but I have heard that the main character has 600 frames of animation, more then 50 types of movement and the ability to walk, swim and possibly rock-climb. Special effects such as rain, reflecting puddles, waving lights that filter through the surface of the ocean, enemies with different levels of intelligence and many more will be included.

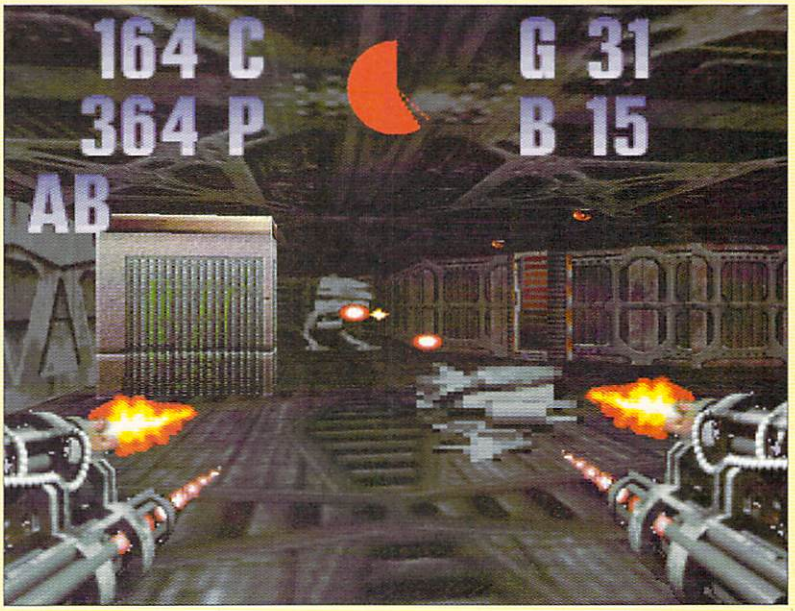


Petition

With things looking healthy for the Amiga games market and the successful porting of Quake and Myst to the Amiga, a new initiative has been launched to try and convince software houses that there is still a substantial market for Amiga games. Amigaphile Ed Collins has started up a petition which will be sent out to Software houses asking them to develop games for the platform. If you're interested contact Ed on (collinsep@ulst.ac.uk) and help him convince the big players that developing for the Amiga is still financially viable.

Nemac IV Finds Publisher

Zentek, the German software team behind Nemac IV, has found a publisher in the shape of Pxl Computers Inc. Nemak IV - The Director's Cut is a 3-D Doomalike with excellent graphics, 40 levels and 15 minutes of beautiful intro animations. Although only available on CD-Rom, Nemac IV will run on any Amiga with a hard drive and 020 processor (or faster) and is about the only game I can think of that presently supports i-O glasses. Slightly more practically, the game supports OCS, ECS, AGA, CybergraphX and Graphitti and will run on any Amiga screen mode.



In the Shadow of Time

Swedish Amiga software developers, Shadow Elks, is currently producing a new point 'n click adventure game called In the Shadow of Time. Reminiscent of the great Monkey Island series, the game revolves around the adventures of a kid called Tadpole who accidentally destroys the world. Feeling slightly guilty about bringing about the end of humanity, Tadpole sets off on a jaunt through history to put right his mistake.

As you can see from the screenshot it looks to be a pretty impressive debut. The only technical specifications currently available for the game indicate that it will need a 68020 processor or higher, AGA 3.0 and 1 to 1.5Mb. For more details check out Shadow Elks' Web site at: http://home1.swipnet.se/~w-10724/IST.html

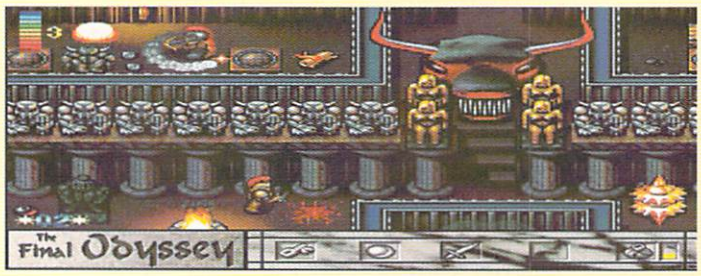
Foundation

Medieval Settlers/Civilisation type real-time strategy game Foundation is nearing completion. The latest screenshots suggest it is going to be a thoroughly impressive product. Some technical specifications have also emerged from the developers; the game will apparently require an AGA chip Amiga with at least 4 Mb of FastRam. It will include sampled speech and sound effects as well as an option to play against a human or computer controlled opponent.

Final Oddessy

Vulcan continues to dominate the Amiga games market with the announcement that Peter Spinaze's Final Oddessy will be developed and released as soon as possible. Peter was apparently looking for a developer for the game until it was snapped up by Vulcan.

Details are still rather sketchy but it appears that it is a puzzling action adventure and, from the graphics, looks as if it is going to be a real gem.



Myst

The Myst saga is now drawing to a close with the announcement that ClickBOOM has acquired the rights to the best-selling adventure game, Myst.

The game, originally produced by Cyan/Broderbund, proved to be a huge hit when released for the PC and Mac. An Amiga port of the game was posted on the Internet last year which, despite being totally unofficial, raised considerable support for a release of the game on the Amiga platform.

Myst will require a pretty high spec machine to run it but the quality of the game promises to be superior to the PC and Mac version. ClickBOOM, also responsible for the excellent Capital Punishment, promises to bring more big titles to the Amiga community if, as expected, Myst proves to be a success.

Wasted Dreams

Another Vulcan title is ripe for release: Wasted Dreams, an action adventure game, is in a similar vein to HellPigs. Available on a monstrous 12-14 disks, the game mixes arcade action with over 300 animations.

Each of the characters have their own distinct personality and the 10 huge playing areas can be explored using the game's eight-direction scrolling. A further feature allows two players to either work together or compete in a death match. Check out the Vulcan Software slideshow on its Web site.

POSTAGE & PACKING	
UK	-INCLUDED
EUROPE	- £ 2.00
REST OF WORLD	- £ 3.50

Premier Mail Order

Please Send Cheques/POs Made out to Premier Mail Order or Visa/Mastercard/(Switch + Issue No) & Expiry Date to:

Dept: AC113, 14 ORWELL COURT, HURRICANE WAY, WICKFORD, ESSEX, SS11 8YJ

TEL: 01268 571157
FAX: 01268 733731
EMAIL : 100307.1544@compuserve.com

Mon-Fri 9.30am-6pm Sat 10am-4pm. Please note: 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. VAT is included on all titles

	500	1200	32
4D Sports Boxing	9.99	-----	-----
A320 APPROACH TRAINER.	**9.99**	-----	-----
Acid Attack Compilation - *Gloom, Guardian, Skidmarks*	-----	14.99	-----
American Gladiators	9.99	-----	-----
Arcade Compilation - *World Snooker, Naughty Ones, Multiplayer Soccer Manager, Dr Plummets House of Flux, Jigsaw Puzzlemania*	14.99	-----	-----
Assassins Games	-----	-----	19.99
Atomino	8.99	-----	-----
B17 FLYING FORTRESS	**12.99**	-----	-----
Badlands Pete	4.99	-----	-----
Banshee	-----	7.99	12.99
Barbarian 2	16.99	-----	-----
Basket Island	-----	14.99	-----
Battletoads	-----	-----	9.99
Blastor	12.99	-----	-----
BLOBZ	-----	**12.99**	-----
BLITZ BASIC 2.1	**18.99**	-----	-----
Bograts	-----	12.99	-----
Bomber Bob	3.99	-----	-----
Bravo Romeo Delta	8.99	-----	-----
BREATHLESS	-----	**22.99**	-----
Brutal Football	-----	-----	8.99
Bubba n Stix	4.99	-----	-----
Bubble & Squeak	7.99	7.99	7.99
Bump 'n' Burn	-----	-----	14.99
Burnout	-----	19.99	-----
Cannon Fodder	12.99	-----	-----
Centrefold Squares	3.99	-----	-----
CHAMP MANAGER 2	**19.99**	-----	-----
Champ Manager 94 D/Disk	7.99	-----	-----
CHAOS ENGINE 2	**19.99**	-----	-----
Championship Challenge *World of Snooker, Test Match Cricket Challenge, Treble Champ 2, International 1 Day Cricket*	14.99	-----	-----
CIVILISATION	**12.99**	-----	-----
ClockWiser	9.99	9.99	9.99
Club Football The Manager	7.99	7.99	-----
Club & Country	7.99	-----	-----
COLONISATION	**12.99**	-----	-----
Cosmic Spacehead	10.99	-----	-----
COVERGIRL POKER	**7.99**	-----	-----
Craft for AMOS	17.99	-----	-----
Cricket Captain	3.99	-----	-----
D Thompsons Olympic Chall	6.99	-----	-----
Dangerous Streets	-----	-----	9.99
Deluxe Strip Poker	3.99	-----	-----
Demonmaniac	17.99	-----	-----
Desert Strike	7.99	-----	-----
DOGFIGHT	**8.99**	-----	-----
Dune 1 or 2	12.99	-----	-----
Dylon Dog	8.99	-----	-----
Euroleague Manager	-----	14.99	-----
European Superleague	3.99	-----	-----
Exile	7.99	7.99	-----
Exile Data Disk	5.99	-----	-----
Extreme Racing	-----	5.99	-----
EXTREME RACING D/DISK	-----	**4.99**	-----
F1 GRAND PRIX CIRCUITS	**3.99**	-----	-----
F15 STRIKE EAGLE 2	**12.99**	-----	-----
F19 STEALTH FIGHTER	**12.99**	-----	-----
F117A	**8.99**	-----	-----
Fantasy Manager 95/96	8.99	-----	-----
Fantasy World Dizzy	5.99	-----	-----
Fears	-----	7.99	-----
FIELDS OF GLORY	**12.99**	-----	**8.99**
FIFA Soccer	12.99	-----	-----
Fly Harder	-----	-----	8.99
Fools Errand	3.99	-----	-----
Football Director 2	3.99	-----	-----
Football Glory	8.99	8.99	-----
FORMULA ONE GRAND PRIX	**12.99**	-----	-----
Galaxy Force	5.99	-----	-----
Gearworks	3.99	-----	-----
Genesis	3.99	-----	-----
Global Effect	-----	-----	4.99
GLOOM	-----	**7.99**	**7.99**
GLOOM DELUXE	**7.99**	-----	-----
G Gooch- WC Test Match	7.99	-----	-----
G Gooch-W Class Cricket	7.99	-----	-----
G Gooch - Battle for Ashes	4.99	-----	-----
Guardian	-----	7.99	7.99
Gun Fury	14.99	-----	-----
Gunship 2000	-----	12.99	-----
Heimdall	4.99	-----	-----
Heimdall 2	-----	7.99	9.99
Helter Skelter	13.99	-----	-----
Hillsea Lido	12.99	-----	-----
Humans 3	-----	-----	10.99
IMPOSSIBLE MISSION 2025.	**8.99**	-----	**8.99**
INTER BASE	**7.99**	-----	-----
INTER OFFICE	**12.99**	-----	-----
INTER SPREAD	**7.99**	-----	-----
INTER TALK	**7.99**	-----	-----
INTER WORLD	**7.99**	-----	-----
International Arcade Action	3.99	-----	-----
Int One Day Cricket OEM	4.99	-----	-----
International Sports Challenge	12.99	-----	-----
IntOS -AMOS	16.99	-----	-----
J Nicklaus Greatest 18 Holes	6.99	-----	-----
J Nicklaus Designer Clip Art	7.99	-----	-----
Jet Pilot	16.99	-----	-----
Jetstrike	-----	-----	9.99
Jigsaw Puzzlemania	3.99	-----	-----
Jimmy White's Snooker	12.99	-----	-----
KGB	12.99	-----	-----
Kick Off 3	-----	9.99	-----
Kid Pix	10.99	-----	-----
Leeds United	3.99	-----	-----
Legends	-----	8.99	8.99
Line of Fire	4.99	-----	-----
Lion King	-----	19.99	-----
Loopz	17.99	-----	-----
Manyk Mayhem Compilation - *Legends, Fears, Roadkill*	-----	14.99	-----
Marvens Marvellous Adv's	-----	4.99	-----
MEDIEVAL WARRIORS	**3.99**	-----	-----
Minskies the Abduction	14.99	-----	-----
Morph	7.99	8.99	-----
MU TI MEDIA EXPERIENCE	**24.99**	-----	-----
Napoleonics	7.99	-----	-----
Naughty Ones	3.99	-----	12.99
NINE LIVES	**3.99**	-----	-----
Odyssey	9.99	-----	-----
One Day Cricket	8.99	-----	-----
On The Ball League Edition	-----	8.99	-----
Operation Combat 2	4.99	-----	-----
Pegasus	12.99	-----	-----
PGA European Tour	-----	-----	12.99
PGA Golf	8.99	-----	-----
PGA Golf Plus Courses	12.99	-----	-----
Pinball Fantasies	-----	12.99	12.99
Pinball Illusions	-----	12.99	12.99
Pinball Mania	-----	12.99	-----
Pinball Prelude	16.99	16.99	16.99
Pitfighter	6.99	-----	-----
Player Manager 2	7.99	-----	-----
PLAYER MAN 2 EXTRA	-----	**7.99**	-----
Popeye 2	7.99	-----	-----
Power	7.99	-----	-----
PowerBase v3.5....(Database)	12.99	-----	-----
Powerdrive	9.99	9.99	-----
Powergames	-----	-----	12.99
Premiere	4.99	-----	12.99

	500	1200	32
Pro-Tennis Tour	6.99	-----	-----
Railroad Tycoon	12.99	-----	-----
Reach for the Skies	12.99	-----	-----
Roadkill	-----	7.99	7.99
Road Rash	7.99	-----	-----
Ruffian	10.99	-----	-----
Rugby League Coach	3.99	-----	-----
SECAL	**24.99**	-----	-----
Sens World of Soccer 96/97	16.99	-----	-----
SWOS 96/97 DATA DISK	**7.99**	-----	-----
Shadow Warriors	6.99	-----	-----
Silent Service	8.99	-----	-----
Silent Service 2	12.99	-----	-----
SIMON THE SORCEROR 1 ...	**12.99**	**12.99**	**12.99**
Skeleton Krew	-----	7.99	-----
SKIDMARKS	**7.99**	-----	-----
SLAMTILT	-----	**19.99**	-----
Soccer Team Manager	10.99	-----	-----
SPACE HULK	**12.99**	-----	-----
SPECIAL FORCES	**8.99**	-----	-----
Speedball 2	-----	-----	12.99
Speris Legacy	-----	19.99	-----
Sporting Spectacular *Football Director 2, F1 GP Circuits, Rugby Coach, Daily Double Horse Racing, Euro Superleague*	14.99	-----	-----
STARLORD	**8.99**	-----	-----
Streetfighter 2	12.99	-----	-----
Strider	8.99	-----	-----
Strider 2	8.99	-----	-----
Strip Pot	-----	7.99	7.99
Subversion	4.99	-----	-----
Super League Manager	7.99	7.99	7.99
Super Skidmarks	7.99	-----	7.99
Super Streetfighter 2 Turbo	-----	-----	14.99
SUPER TENNIS CHAMP	**7.99**	-----	-----
Super Tennis Champ 2 D/D	5.99	-----	-----
Test Match Cricket	4.99	-----	-----
The Games	10.99	-----	-----
Theatre of Death	9.99	-----	-----
THEME PARK	**12.99**	**12.99**	-----
Timekeepers	12.99	-----	-----
Timekeepers Data Disk	5.99	-----	-----
Tiny Troops	17.99	-----	-----
Torvak	4.99	-----	-----
TOTAL FOOTBALL	**12.99**	-----	-----
Touring Car Challenge	12.99	-----	-----
Treble Champions 2	4.99	-----	-----
Troddlers	16.99	-----	-----
Turbo Pack 3	3.99	-----	-----
UFO	**12.99**	-----	-----
Ult Soccer Manager D/Disk	-----	8.99	-----
Valhalla 1 Lord of Infinity	14.99	-----	-----
Valhalla 2 Before the War	14.99	-----	-----
Valhalla 3 Fortress of Eve	17.99	-----	-----
Virtual Karting	-----	12.99	-----
Voyager	6.99	-----	-----
Watch Tower	-----	12.99	-----
Wembley International Soccer	-----	4.99	7.99
Wembley Rugby League	7.99	-----	-----
White Death	4.99	-----	-----
Wing Commander	9.99	-----	-----
Wizkid	10.99	-----	-----
Wolfchild	4.99	-----	-----
Wonderdog	4.99	-----	-----
World Class Rugby (OEM)	4.99	-----	-----
WORLD GOLF	**12.99**	-----	-----
World of Golf	8.99	-----	-----
World of Soccer	4.99	-----	-----
Worlds at War	4.99	-----	-----
WORMS	**9.99**	-----	-----
WORMS: DIRECTORS CUT	-----	**14.99**	-----
Wreckers	3.99	-----	-----
XP 8	**16.99**	-----	-----
ZEE WOLF 2 - WILD FIRE	**22.99**	-----	-----
Zool	-----	-----	8.99

EDUCATIONAL

10/10 Dinosaurs	12.99	-----	-----
10/10 Early Essentials (3-7)	12.99	-----	-----
10/10 English (6-16)	12.99	-----	-----
10/10 Essential Maths (5-12)	12.99	-----	-----
10/10 Essential Science 5-12	12.99	-----	-----
10/10 French (6-16)	12.99	-----	-----
10/10 German (8-16)	12.99	-----	-----
10/10 Junior Essentials (5-11)	12.99	-----	-----
10/10 Maths Algebra (6-16)	12.99	-----	-----
10/10 Maths Geometry (6-16)	12.99	-----	-----
10/10 Maths Numbers (6-16)	12.99	-----	-----
10/10 Maths Statistics (6-16)	12.99	-----	-----
10/10 Spelling Puncuation	12.99	-----	-----
10/10 Structured Spelling	12.99	-----	-----
Kid Pix	10.99	-----	-----

JOYSTICKS & ACCESSORIES

AAR=ANALOG ADAPTER REQUIRED

4 Player Joystick Adapter	4.99
Analogue Joystick Adaptor	5.99
Automatic Joystick/Mouse Splitter	14.99
Competition Pro Xtra Clear Joystick	10.99
CH Flightstick (Analogue)	(AAR) 29.99
Cruiser Joystick	7.99
Gravis Analog Joystick	(AAR) 19.99
Internal 880K Floppy Drive A500	47.99
Internal 880K Floppy Drive A600/A1200	49.99
JUPITER JOYSTICK	**7.99**
Mouse 300 dpi 2 Button	10.99
Mouse 400 dpi 2 Button	14.99
Mouse 400 dpi 3 Button	16.99
Mousemat	1.99
Joystick/Mouse Extension Cable	6.99
Joystick Y Splitter	4.99
Logic 3 Delta Ray Autofire JY156	10.99
Logic 3 Alpha Ray - Autofire	10.99
Logic 3 Sigma Ray - Autofire	12.99
POWER SUPPLY UNIT	**39.99**
Quickjoy Pedals SV129	9.99
Screenbeat 3 Speakers SB203	12.99
Screenbeat 4 Speakers SB204	11.99
Screenbeat 5 Speakers SB205	11.99
Screenbeat 25 Speakers SB 225	21.99
Screenbeat Pro 50 Speakers SB250	32.99
Screenbeat RCA Adapter Cable	1.99
Screenbeat Power Supply	7.99
Thrustmaster XL Joystick	(AAR) 27.99
Zipstick Super Pro Autofire Joystick	10.99

AMIGA CDROM

So Ho CDROM

AGA Experience II	9.99
Amiga Tools 3	24.99
Amiga Utilities 2	19.99
Aminet Set 1, 2,3,4,5,6,7,8,9,10,11,12 or 13	14.99
Aminet 14,15,16 or 17	9.99
Aminet 94-02	16.99
Amos Library	19.99
Animations	12.99
Arcade Classics Plus	9.99
Artwork Colour	12.99
Assasins Games	16.99
Assasins Games II	

	CD
C-64 Sensations 2	9.99
Card Games	9.99
CD Boot (Run CD32 games on your A1200)	32.99
CD Write	32.99
Clip Art Professional IFF & PCX Library 2.	9.99
Epic Collection II	16.99
Epic Encyclopedia 97	28.99
Flash Rom	16.99
Fonts	9.99
FreshFonts 1 or 2	19.99
Gateway	9.99
Gif Sensations	16.99
Gifs Galore	9.99
Giga Graphics	24.99
Gold Fish 1 or 2	24.99
Graphics Sensation	14.99
Hottest 4	9.99
Hottest 6	14.99
Illusions in 3D	4.99
Into/Out of the Net	16.99
Magic Workbench Enhancement	9.99
Meeting Pearls 3	9.99
Multimedia Toolkit 2	24.99
Network CD2	14.99
Octamed 6	24.99
Professional Fonts & Clipart	9.99
Professional Utilities 1-1500	9.99
Scene Storms	16.99
Sci Fi Sensations II	16.99
Sound Library & GRX Library	19.99
Sound Studio	29.99
Sound Terrific I	9.99
Sound Terrific II	16.99
Speccy 97	16.99
Texture Portfolio	32.99
The Beauty f Chaos	9.99
The Colour Library	9.99
The Learning Curve	16.99
The Light Rom	32.99
The Light Rom 2	32.99
The Light Works	24.99
The Sound Library 1	9.99
The Sound Library 2	9.99
UPD Gold	24.99
UPD Set 1	16.99
Weird Science Animations	9.99
Weird Science Clipart	9.99
Weird Science Color Art	9.99
Weird Science Fonts	9.99
World of Clipart	9.99
World of Clipart Plus	16.99
World of Games	9.99
World of GIF	9.99
World of Photo	9.99
World of Sound	9.99
World of Video	9.99
Zoom II	9.99
Glamour Titles - Over 18 Only Amiga CDROM	
Adult 4 Animations	22.99
Adult Sensations	19.99
Adult Sensations 2	19.99
Adult Sensations in 3D	19.99
Asian Ladies 1	9.99
Asian Pleasures 2 or 3 or 4	29.99
Blonde Babes	10.99
Digital Dreams II	12.99
Digital Dreams III	16.99
European Dream Girls 1 or 2 or 3	14.99
Fantasy Girls 1or 2	9.99
Girls of Pleasure	9.99
Girls Who Like Girls	9.99
Hot Pie	9.99
Hot Spot Women 1 or 2 or 3	15.99
Just 18	9.99
Lusty Lesbians 1 or 2	9.99
Oriental Fantasies 1 or 2	15.99
Photo Studio	9.99
Pixels of Desire	9.99
Sexy Sensations	19.99
The Page Three Collection	9.99
The World of Lana Fox	9.99
The World of Teresa May	9.99
Universe of Adult GIFS 1 or 2 or 3	9.99
Worlds Best Breasts	9.99
World Of Pinups Vol 1	9.99
World Of Pinups Vol 2	12.99

RECYCLED BLANK 3.5" DISKS

10 @ 3.99 20 @ 6.50 50 @ 12.50 100 @ 22.50

PD & Shareware

BUSINESS

B018 Text Plus 2.2e	word processor 1.25
B019 Banking	home account program 1.25
B020 Label Designer	design your own labels 1.25
B021 Calv. 1.2	excellent data base program 1.25
B022 Desktop Publising	best pd dtp available 1.25
B023 Business Card Maker	-not AM1200 1.25
B024 600 Business Letters	1.25
B025 Business Card Maker	can print in colour 1.25
B026 Data Base Workshop	brilliant pack 2.50
B027 Spread sheet	easy to use spreadsheet 1.25
B028 Quick Base	very powerful database 1.25
B029 Rim Database	powerful database 1.25
B030 Amibase	professional II best database 1.25
B031 Textra	can edit several docs at once 1.25
B032 Flexi Base	easy to operate database 1.25
B033 Penny Wise	very powerful database 1.25
B034 Visicalc	great database lots of functions 1.25
B035 Text Engine V3.4	wordprocessor 1.25
B036 Little Office	d/base/wp/spreadsheet 1.25
B037 Home Business Journal	database 1.25
B038 Bon Appetit Database	many recepies 1.25
B039 Home Account	account program 1.25
B040 Amicash	regarded as best a/c's program 1.25
B041 Journal	full feature account program 1.25
B042 Loran Note Book	database & world map 1.25
B043 Data Base Compilation	best sell to date 1.25
B044 Mortgage Calc	calc repayment rate etc 1.25
B045 Money Program	accounts program 1.25
B046 Account Master V2.8	accounts program 1.25
B047 House Inventory	ideal for insurance 1.25
B048 Address Print v2.1	store/print addresses 1.25
B049 Text Plus V4.0	pro requires hd & 2megs 1.25
B050 Text Engines V4.1	word spellcheker 1.25
B051 Inventory 2	home contents for insurance 1.25
B052 Edword Professional	best wordprocessor 1.25
B053 Easycal +	massive spreadsheet 1.25
B054 Pay Advice Analizer	money program 1.25
B055 Address printing	print on labels 1.25
B056 Pay Advice V3	account program 1.25
B057 Label Maker	print lables, etc 1.25
B058 The Money Program	accounts 1.25
B059 Loans Account	1.25
B060 Onform	one of the best invoice makers 1.25
B061 Account Master V2.2	latest program 1.25

EDUCATIONAL

E019 Kid Paints	superb paint special for kids 1.25
E020 Colour It	brilliant computer colouring book 1.25
E021 Treasure Search	find the hidden treasure. 1.25
E022 Learn & Play1(not A1200)	maths & games1 25
E023 Learn & Play2	education programmes 1.25
E024 Spanish Translator	spanish*english 1.25
E025 Mr Men (WB1.3only)	story adventure 1.25
E026 Astromy	tutorial on solar/star ect system 1.25
E027 Simon & Space Maths	maths games 1.25
E028 Dinosaurs	teach you all about dinosaur 1.25
E029 World Database	require (2+meg) 1.25
E030 Story Land2	interact puzzle games rec 1.25
E031 Language Tutor	teach you 4 languages 1.25
E032 Talking Colouring Book	talking dpaint brill 1.25
E033 Easy Spell2	improve your kid spelling 1.25
E034 Scrabble	require 2-4 player. brilliant 1.25
E035 Words	can help you solve the crossword 1.25
E037 Evolution	breed your own hybrid 1.25
E038 Iq Test + Iq games	pack 1 excellent 1.25
E039 Typing Tutor	very good typing tutor 1.25
E040 Chess Helper	help/teach how to play 1.25
E041 Basic Tutor	learn about amiga basic prog 1.25
E042 Amiga Tutorial 7	part tutorial 1.25
E043 Computer Care	how to care for amiga 1.25
E044 Guide To Lower Back Pain	1.25
E045 Kid Alphabet	display all alphabet letter 1.25
E046 Fraction & Silouest	maths & games 1.25
E047 Math Master	teach/test you on maths 1.25
E048 Steam Engine v2	graphic & tutorial 1.25
E049 Petrol Engine	tutorial & animate graphic 1.25
E050 Gas Turbine Engine	tutorial & graphic 1.25
E051 Stirling Engine	tutorial & anim graphic 1.25
E052 Dream for Angel	meaning of dream 1.25
E053 Invisible World	brilliant recommended 1.25
E054 Fish Tank	turn your amiga into a fish tank 1.25
E055 Demolition Mission	simple game for kid 1.25
E056 World Power	solve crossword puzzle 1.25
E057 Worm Hole	simple game ideal for children 1.25
E058 Apple Catcher	catch falling apple brilliant 1.25
E059 Cross Maze & Cryptoking2	kid games 1.25
E060 Verb Quiz	find the word & it related bril 1.25
E061 King James Bible	complete bibles excel 4.99
E062 Tarrot	clairvoyant in a instance 1.25
E063 Gallow	fancy a game of hang man? 1.25
E064 Maths Drill	teach all basic math skill 1.25
E065 Error info	info why your amiga crash 1.25
E066 World-War2	graphics tutorial onWW2 1.25
E067 Science	excellent collection of science 4.99
E068 Kidprix	great children paint programme 1.25
E069 Astromy Pack	4.99
E070 Picture Letter	learn to read first step 1.25
E071 Amiga Beginner Guide	tutorial on amigas 1.25
E072 Noddy Playtime	demo > very good 1.25
E073 Kid Pix	more excellent paint programmes 1.25
E074 D.T.P For Kid	easy to use, excellent 1.25
E075 Sing A Rhymes	sing a song 1.25
E076 Highway Code Tutor	1.25
E077 Read & Learn(2d)	three little pig story 1.25
E078 Back To Skool vol1	1.25
E080 Back To Skool vol2	1.25
E081 Back To School Vol3	1.25
E082 Little Traveler	information on wold wide 1.25
E083 World Geography	world with maps & text 1.25
E084 Discovery Of Atom	2.50
E085 Desk Top Guide To Music	guide & tutorial 3.75
E085 Trumpty Firework Alphabet	alphabet 1.25
E086 How To Delovope Photo 1	excellent! 2.50
E087 Mr Men Olympics	2.50
E088 Cult TV Database	info on early tv series 2.50
E089 How To Devolope Photos 2	2.50
E090 Electronic Worlds	k james bibles 3.75
E091 How The Earth Began	theory on big-bang 1.25
E092 Workbench 2	tutorial on work bench 2 1.25
E093 Dino War	quiz on dinosaurs 1.25
E094 Junior Maths	great learning aid for maths 1.25
E095 Picture Puzzle	brillant jigsaw type game 1.25
E096 Word Factory	brillant, teach kids words 1.25
E097 Kid Disk	brillant education pack 1.25
E098 Kid Disk 2	more education programs 1.25
E099 Kid Disk 3	drawing program for kids 1.25
E100 Kid Disk 5 & 6	brillant games 1.25
E101 Jurassic Park6	lots of info on dinosaurs 1.25
E102 Childrens Songs 2	5 excellent songs 1.25
E103 Ming Shu (A500 only)	chinese astrology 1.25
E104 Astro 22 Pro V3	astrology program 1.25
E105 French Bath Tester	1.25
E106 World History Book	need help with history 1.25
E107 Little Traveller 2	information on the world 2.50
E108 X-Files Guide	to the tv series 1.25
E109 Chess Tutor	teach you how to play 1.25
E110 Internet	guide to the internet 1.25
E111 Cli & Shell Tutor	ideal for beginners 1.25
E112 Deluxe Paint Graphics Tutor v3&4	1.25
E113 Japanesent Graphics	teach japanese 1.25
E114 Paint It (not A500)	colouring book 1.25
E115 Key Board Trainer	an excellent tutor 1.25
E116 Word Power	crossword solver, teach 1.25
E117 Crossword Creator	design crosswords 1.25
E118 Chess 2 & Tutor	brillant chess 2 games 1.25
E119 History Of Aviation Vol 1	excellent disk 1.25
E120 Child Favourite	education program 1.25
E121 Animal Land	lear about animals 1.25
E122 Frantic Guide To Computer	2.50
E123 Cyber Punk 2	for cyber punk freaks only! 1.25
E124 Star Trek & NG Guide	pictures & info 7.50
E125 Signture Creator	coustmise your own 1.25
E126 Virus Workshop V4	comprehensive guide 1.25
E127 Imagines Video	could you use it ? 2.50
E128 Workbench 2/3 Guide	on line help 1.25
E129 Learn & Play 3	education & games 1.25
E130 Barney Bear Goes Camping	2.50
E131 Comms Guide V1.1	beginner modem user 1.25
E132 Guide To Weather	guide to the weather 3.75
E133 Maths Attack	maths relate games for kids 1.25
E134 Beginning Typing Tutor	1.25
E135 Word Puzzle Pro	create or solve puzzle 1.25
E136 Kid Disk 7	education program 1.25
E137 Early learner(age3-5)	teach how to read 1.25
E139 UK Country	1.25
E142 Basic Electronic V1.5	for electronic fan 2.50
E141 Massive Guide to Internet	version 2.3 1.25
E142 Animal Land	ideal for kids 1.25
E143 Picture Maths	maths program for kids 1.25
E144 Beginer Guide to WB3	AM1200 only 1.25
E145 Globe Fact	fact about planet earth 2.50
E146 Kid Only	6 excellent games to play with 1.25
E147 Santa	help santa collect present games 1.25
E148 Birthday history V2.2	1.25
E149 Bar Tender	1000 drink/cocktail 1.25

GAMES

G060 Mega 21 Games	amazing 21 games 1.25
G061 Dragon Cave	brilant 3D puzzle games 1.25
G064 Take Them Out	like to operation wolf 1.25
G065 Destine Moon Base	arcade conversion 1.25
G066 Tank Battle	player tank battle game 1.25
G067 Arcadia	the best arknoid clone 1.25
G068 Q-Boid	cross tetris and invaders 1.25
G069 Dimension X 2	player light cycle game 1.25
G070 Nebular	excellent shoot em up 1.25
G071 Galatic	excellent8 levels arcade 1.25
G072 Hyper-Ball	speed ball + level editor 1.25
G073 Ghost Ship	very good 3d adventure 1.25
G074 Battlement	hunch back of notcha 1.25
G075 Mega Game Collections III	3 top game 1.25
G076 Madonna Nude Puzzles	for 18+ only 1.25
G077 Gravity	massive space exploring game 1.25
G078 Cyber-Netic	brillant 8 way blaster 1.25
G079 Donkey Kong	A1200 1.25
G080 Crazy Sue II	best platfor to date 1.25
G081 Super Skoda Challenge	(& track editor) 1.25
G082 Star Trek	similar to raid 2 but harder 1.25
G083 Doody	very cute & extremely addict 1.25
G084 Wonder Land	amazing graphic 1.25
G085 Deluxe Pacman	best ever release 1.25
G086 Card Games Collection	1.25
G087 Wizard Domains	dungeon type games 1.25
G088 Kalatriz (not A1200)	arcade tetris clone 1.25
G089 Air Aces II	very playable shoot them up 1.25
G090 Othello	best pd version 1.25

	3.5
G091 Mouse Impossible	very addictive puzzle 1.25
G092 Tetren	most polish ever release 1.25
G093 Strikeball	brilliant base ball clone 1.25
G094 Trailblazer (not A1200)	brilliant 1.25
G095 Fighting Warrior	like street fighter 1.25
G096 Dominoes	only one of it kind on pd 1.25
G097 Total Wars	strategy like chess in space 1.25
G098 Battle Car 2	3D car reacing 1.25
G099 Nester Card Game	hours of fun for a quit 1.25
G100 Roulete	american roulete excellent 1.25
G101 Trailblazer 2	C64 conversion 1.25
G102 E-Type 2	very good asteroid 1.25
G103 Olempiad	olympic sports events 2.50
G104 Descender Game	tank,search 1.25
G105 Oblidox	excellent arcade/puzzle game 1.25
G106 Parachute Joust	quite playable 1.25
G107 Castle of Doom	vg graphic adventure 1.25
G108 Wibble World Giddy	large platform game 1.25
G109 Cash Fruit	good fruit machine 1.25
G110 Amos Cricket	brilliant 1.25
G111 Extream Violence	2 player battle 1.25
G112 Enigma Machine	very challenging puzzle 1.25
G113 Mega Ball 2	break out clone 1.25
G114 Bounce & Blast	brilliant platform 10/10 1.25
G115 Zombies & Defender	2 fantastic games 1.25
G116 Mercaneries Simulation 3D	wars games 1.25
G117 Life	simulation very interesting 1.25
G118 Transplant	dozen of level fast arcade 1.25
G119 Klawz the Kat	great platform games 1.25
G120 Highway Hell	like spy hunter on the c64 1.25
G121 Operatikn Firestorms	brilliant 1.25
G122 Castle Kumquat	similar to alien breed 1.25
G123 Black Dawn	brilliant graphic adventure 1.25
G124 Moria 5.4	the latest dungeon & dragon 1.25
G125 Bridge	good version of bridges 1.25
G126 Ork Attack	bloody adventure 1.25
G127 Rebounce 2	player futuristic break out 1.25
G128 Road to Hell	brilliant car racing 1.25
G129 Supertom Cat	new vertical shoot em up 1.25
G130 Kungfu Charlies .mix	with platform brilliant 1.25
G131 Raid 4	latest vertical scroll shoot em up 1.25
G132 Quizmaster	very good quiz program 1.25
G133 Elevation	games base on lift ?? 1.25
G134 Imperial Walker	base on star wars 1.25
G135 Starbase 13	like monkey island 2.50
G136 Amos Loadsa Money	best fruit machines 1.25
G137 Mr Men Olympic	many event to complete 2.50
G138 4 L.C.D Dream 4	small hand held games 1.25
G139 Neighbour Games	base on the tv series 2.50
G140 Time Runner (WB2/3)	brilliant graphic 1.25
G141 Golf	one of the first and descent golf 2.50
G142 Amos Cricket 2	amos cricket simulator 1.25
G143 Mugsy Revenge	gangster graphic adv 1.25
G144 Jigsaw	very playable jigsaw games 2.50
G145 Bobby Garden + Digger	brilliant 1.25
G146 High Octane	fast car reacing (notwb1.3) 1.25
G147 Time Runner	amazing graphic adventure 1.25
G148 Space Invasion 2	fantastic gal

It's a MYS

This month ClickBOOM has finally announced that it will be bringing out Myst, the best-selling PC CD-Rom game on the Amiga. Hugh Poynton takes a look at the long convoluted tale that is the story of Myst

One of the many beautiful screens

After months of uncertainty, the Canadian based Amiga games company ClickBOOM has announced it will be developing and selling Myst for the Amiga. Coinciding as it does with the release of the AmigaQuake patch on the Internet, this announcement represents a huge boost for the Amiga gaming world. However, the story of Myst goes back much further than ClickBOOM's announcement last week.

The story of Myst's conversion to the Amiga has been shrouded in uncertainty and controversy for months.

During the summer of 1996 a team of non-profit making Polish developers released onto the Internet a demo of an extremely accurate but totally unofficial version of Myst, a game which had proven to be one of the best selling CD-Rom games on the PC and Mac. Amazed that an Amiga specific demo was available for the platform at a time when things were looking pretty bad for the machine, thousands of Amiga owners downloaded the demo from Aminet. Impressed with the demo and under the impression it was genuine, many people tried contacting Cyan/Broderbund to get hold of a full version of the game, only to find that the demo was a fake.

Upon learning of the illegal port, Cyan/Broderbund

Amiga Myst should support 16 million colours

T Story

moved quickly to stop Aminet and various magazines distributing the demo on coverdisks. However, so many people had seen and played the demo that a genuine demand for an Amiga version was apparent. To try and assure Cyan of the support for the project to officially port the game to the Amiga, the Amiga community inundated the company with e-mails and letters.

Viscorp learned of the port and the huge support for an Amiga specific version of the game and released a statement. The matter quickly turned into a debate as to the financial and practical viability of bringing out major new releases on the Amiga. Jason Compton, Communications Manager at Viscorp went on record as saying:

"At Cyan's public request, I contacted the company about the possibility of doing a Myst Amiga port. As most of you know by now, the issue came up in the first place when an extremely accurate, but fake, demo was placed on Aminet".

"Cyan's concern is not the development of the game - if it winds up doing it, it'll get Amiga-knowledgeable programmers to do the development. It is concerned with how many units it can sell. Cyan also wanted to know where the platform was going - were we still going to sell machines? Were we going to develop new technology? Both answers were yes.

"So now it needs to think about it for a while. I'll be in contact next week to see if there's anything else it needs in order to make the decision. (note: Please don't suggest we finance it. Cyan's sold HOW many million copies? Now, a bundle, that's another story...)".

According to Cyan/Broderbund, the main obstacle to the development of Amiga Myst was technical, rather than financial. Upset that Viscorp's statement made it look like Cyan was just out to make a fast buck, Cyan/Broderbund retorted with a statement placed on the newsgroups.

"...The last thing you need is another company's product that cannot run properly on your machine - new or old. And what about the sequel to Myst? If we convert Myst will your current machines run it given the hardware/software requirements of Cyan? Or, will it only run on the rumoured 'new' machine? Will it require you to do a major upgrade to your current hardware? If so, is it worth it for one program? We are looking for answers from those who have worked with the Amiga for years. I have spoken to many and am slowly receiving serious, co-ordinated, organised information from current developers. Honestly, we have not kept up with Amiga."

"I'm simply looking for answers, not dollars, as suggested by Mr. Compton. Cyan's primary interest with all our products has been, and will continue to remain, product quality and customer satisfaction. A cliché perhaps to some, but when your product doesn't work, we have always been there to support, replace or exchange it or refund your money if you don't like it. That's my job. It's Cyan's job".

The solution came in the shape of Canadian based Amiga games company ClickBOOM. With an enviable reputation gained from the release of its excellent debut game, Capital Punishment last November (considered by many to be the best game produced for the Amiga), the company is in a perfect position to bring the game to the Amiga community.

Penned for a late spring/early summer release, Amiga Myst promises to match if not actually surpass PC and Mac versions. It will require a machine with an absolute minimum of 4Mb of FastRam and an 030 processor, the game will include full video board enabling it to run in 16 million colours on a high spec Amiga, as opposed to 256 on a PC or Mac.

If Myst is as successful as expected on the Amiga, ClickBOOM has announced it will bring out more big games titles. They also believe that if Myst does well, there is a good chance some of the software companies that abandoned the platform in recent times will be lured back. All in all, the release of Myst for the Amiga could be more than just a new title for the format, it could herald the revitalisation of the Amiga games industry.

Graphics should be better than the PC or Mac

Game of tw

Tired of getting beaten up by Portuguese police and locked in Turkish jails? Worry not, enjoy the thrills and spills of the world of football from your armchair. Guildhall is bringing out a couple of excellent footy games to cater for all tastes - the brand spanking new Euro League Manager and the classic FIFA International Soccer. Hugh Poynton investigates

Euro League Manager

To complement its range of excellent Electronic Arts and Microprose rereleases, Guildhall Software has bought up a few new titles from smaller companies such as Binary Emotions and Manyk. Euro League Manager is the latest of these brand new Amiga titles. With Championship Manager 2 seemingly festering away in some dank dungeon of Eidos Interactive, Euro League Manager has found itself without much competition. Which is pretty fortunate as Manyk's management sim is something of a curates egg.

Euro League Manager does have its good points; as the name suggests it focuses on the football teams of three European countries rather than the usual one. In addition to this you can play in a fantasy league and use scouts to find cheap but talented players. The fact that each league is different does add some variety to the game. Those well versed in the ways of football will know that each league in which you manage a team varies greatly from the others. Your opponents are different and the strategies and tactics that you might have relied on in one league will no longer be quite as successful.

Another strength of the game are the little innovations that Manyk has thrown in. As far as I know there aren't that many other games that allow you to use a talent scout to find new players. Transfer deals are made more interesting as the game includes a feature that allows players to be transferred using part exchange deals so your wheeling and dealing can be made that bit more efficient and hard nosed.

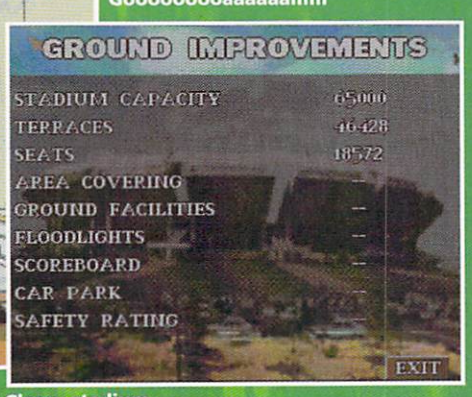
However, despite these pleasing touches, there are a few things that let Euro League Manager down. Unfortunately, Manyk had a tough time trying to get permission to use the names of players and cup competitions for the game. This means that if you manage your favourite team, the proper players will not be present. Although on the surface this may be a trivial problem, it does detract from the realism of the game. Manyk has included an editor so you can change the names of players in the various leagues, but to do this for every player in your chosen league would take quite a while.

Another let down is the graphics. Although bright and cheerful, the game just seems to lack the crisp, pleasing graphics of Championship Manager and the preview versions I have seen of Championship Manager 2. Call me a nit picker but the main screen, the inside the manager's office, isn't drawn properly - the perspective is wrong and it looks, well, wonky.

To be fair, Euro League Manager looks like the sort of game that will appeal to footy sim fans and will be a useful addition to any management buff's game collection, especially as you aren't limited to managing an English Premier League club. If you are less of a pedant than me and can ignore the annoying little drawbacks, you could do worse than giving Euro League Manager a go.

Goooooooooaaaaaallllll

no caption written for this one HUGGY get your finger out and write one will Ya!!



Classy stadium

THE LOW-DOWN

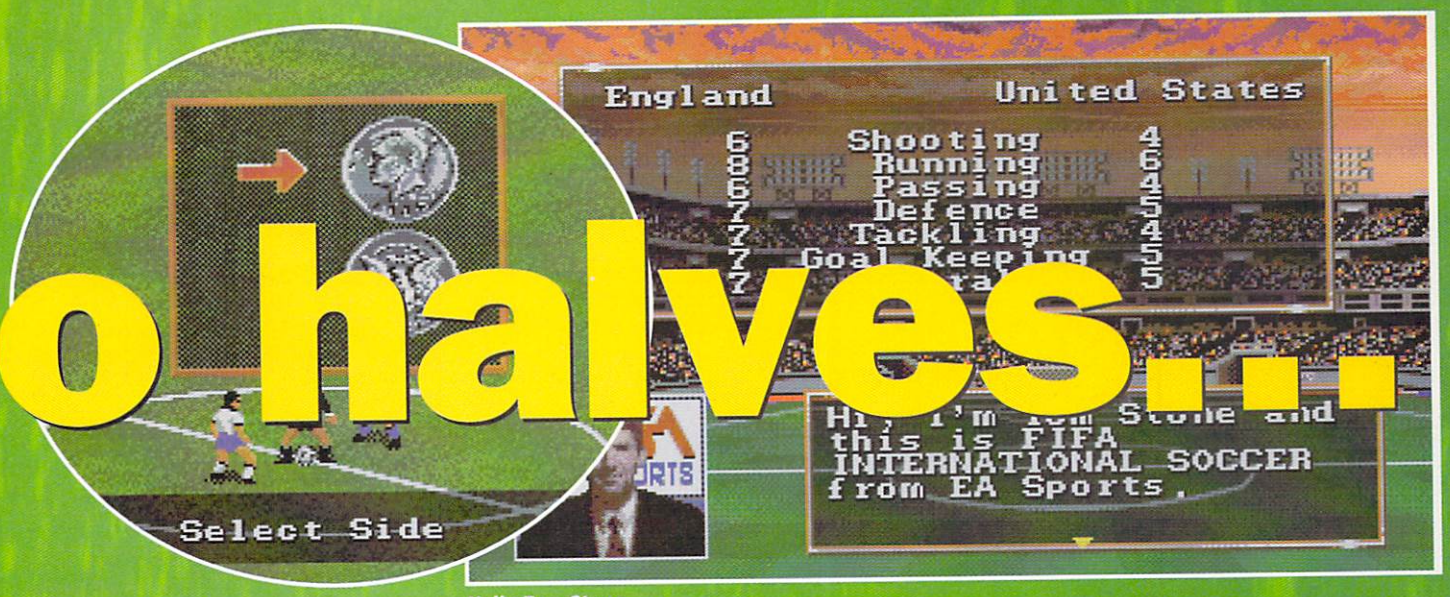
PUBLISHER Guildall Leisure
DEVELOPER Microprose
HD INSTALLABLE Yes
PRICE £14.99
SUPPORTS All Amiga

GRAPHICS	74%
SOUND	70%
PLAYABILITY	74%
DIFFICULTY	Tricky

OVERALL SCORE

72%

o halves...



Hello Tom Stone

FIFA International Soccer

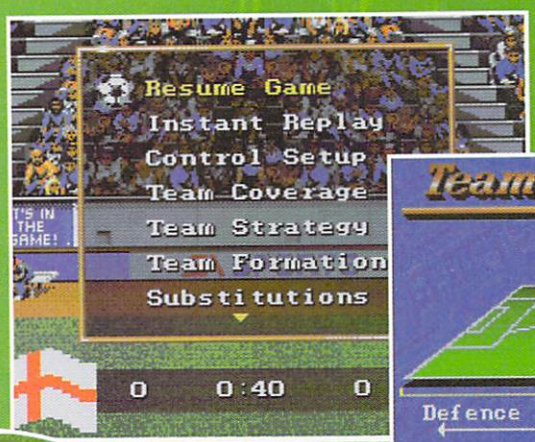
FIFA International Soccer was released nigh on three years ago and graphically it surpasses anything that has been released since. The action is viewed from an isometric point of view that suits the game well and it looks like the console adaptation that it is.

However, be warned it's like trying to watch any major sporting event on American television. After every goal you are bombarded with bloody adverts. Boomf, a goal goes in and for the next few seconds it's, flash, flash, flash, buy Adidas Predators (the footy boots that allowed rich kids to cheat at football by having half a car tyre glued to the front).

This aside, I really like the game. The sprite size is pretty large meaning that you can see the little men weaving their magic in good detail. I've played soccer games before where the players are so diddy that you can hardly even tell which way they are facing. Another attractive feature about the game is the fact that the players don't run about like a cocaine fuelled Paul Merson. When you get quite practised at the game you can actually control it well, chipping and passing the ball from player to player.

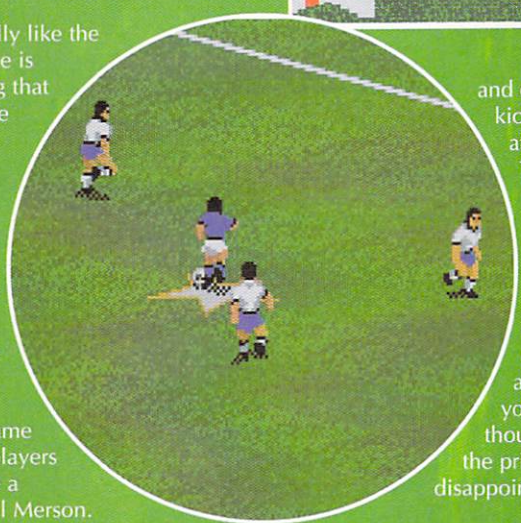
FIFA is blessed with tonnes of options and features. There are options to change the weather and pitch type, you can play in league, tournament and exhibition matches and you have the option to play the game in an action or simulation mode.

As in most footy games, you can dictate the tactics that the team use; long or short ball or with an emphasis of attack or defence. The amount of moves available is also pretty impressive - back passes, headers and overhead kicks can all be attempted. The only problem really worth mentioning is that sometimes the action can be a little slow and it doesn't really match Goal! or Sensi for adrenaline thrills. If you're a footy fan though, take a look, for the price you will not be disappointed.



Mmmm, pretty...

Where is the f****** ball? England vs USA



It's the all star team, ha, ha

THE LOW-DOWN

PUBLISHER Guildall Leisure
DEVELOPER Guildhall
HD INSTALLABLE Yes
PRICE £14.99
SUPPORTS All Amigas

GRAPHICS	84%
SOUND	80%
PLAYABILITY	78%
DIFFICULTY	Easy

OVERALL SCORE

84%

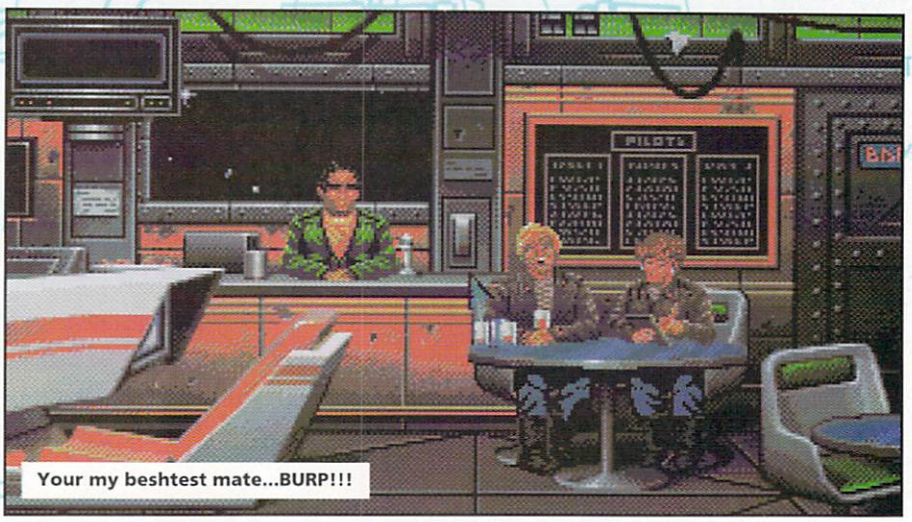
Spaced Ou

In case you've been living on Endor for the last month, you will be aware that the Star Wars trilogy is being re-released this Spring. This has brought about a weird regression among almost the entire population. Adults are cueing to see it, booking weeks in advance and fathers are dragging their kids to see the film they were blown away by back in 1977.

I went to Hamleys in London last weekend and the place was packed out with adults playing with Darth Vader voice masks and remote control ATAT walker and then went on to a party where the conversation turned to a debate on whether Star Wars was more spiritual than Star Trek. Strange. I personally think sci fi is very closet. Like homosexuality decades ago, people are a little coy about showing their true colours.

This spring however, should see an explosion of the 'say it loud, I'm sad and proud' sentiment. To celebrate the re-release of Lucas' masterpiece, I'm going to round up the creme de la creme of space games, both old and new and (fittingly) from the future...

Wing Commander



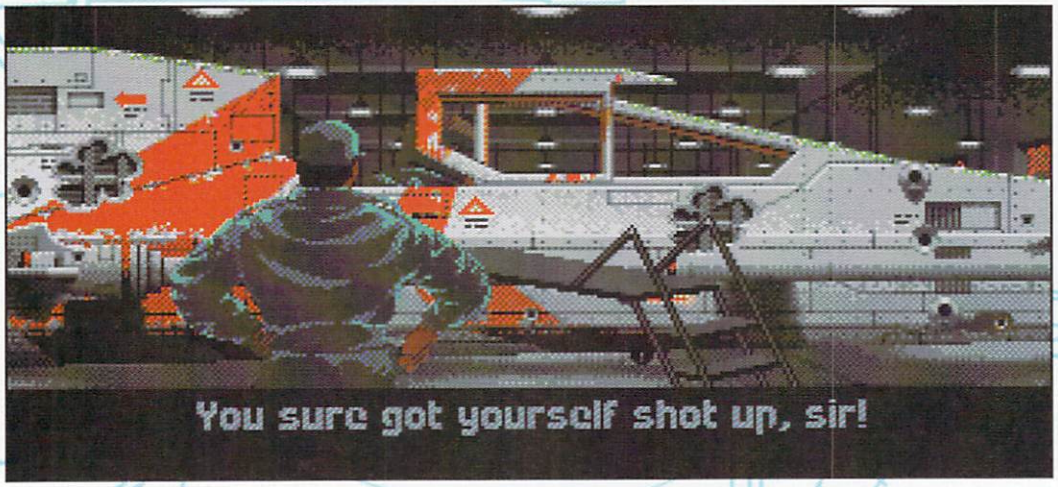
Your my beshtest mate...BURP!!!

First up is the venerable Wing Commander, the first in a run of four Wing Commander games that have become a refuge for has-been actors - the games now star Mark Hamil and Indy's fat bearded friend from Raiders of the Lost Ark.

Guildhall Leisure has just released the first in the series. Though lacking in FMV and gourade shading, the game retains the playability of the later releases and sets the scene for the entire epic story. The year is 2664 and for the past 25 years earth has been facing an Alien menace called the Kilrathi. These alien brutes look something like lions and communicate using pheromones (they sniff each others bottoms?). You are a starfighter pilot aboard Earth's last hope, the Terran carrier, Tiger's Claw.

Accompanying you is the usual complement of amusing hotshot characters; the maverick type loose cannon on deck whose casual disregard for regulations often lands him in trouble; the hard-as-nails but fair leader; the cool, faultless and slightly anally retentive Iceman character and so on.

Your commanding officer seems intent on pairing you up with insane wingmen and women. In the early missions you fly with a Japanese bimbo who asks questions such as what should we do if we meet the enemy? (erm, shoot them perhaps?). Then you are lumbered with a sexually frustrated Scotsman who insists the enemy 'keep catching me with ma kilt doon'. Still it adds to the fun. These wingmen aren't just for show, through a communication system you can get them to carry out certain orders. This is an invaluable tool because it adds an element of tactical play into the game. If you're up against heavy enemy fighters with good shields, order your wingman to attack the same target and you'll wear him down faster. If there are swarms of light fighters, get him to attack other targets. These decisions can make the difference between being blown up and surviving.



Many of the characters in Wing Commander seem to enjoy stating the painfully obvious.

Your job is to undertake a series of missions against the furry foe including patrols, escort duties and raids against their capital ships. Although the graphics are a little ropey and the bitmap representations of the ships look pretty dated, you find yourself ignoring the

All apart from the fact I'm upside down, this is a perfect landing...

...it

Star Wars is on general release and the force is flowing. To celebrate, Hugh Poynton looks at the brightest stars in the space game world

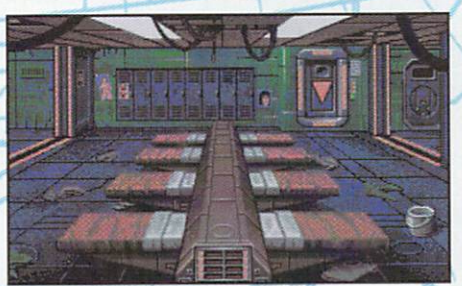
Moving in for the kill.

shortcomings and getting involved in the game. The Kilrathi fighters are tricky buggers to shoot down and you've really got to concentrate when dogfighting.

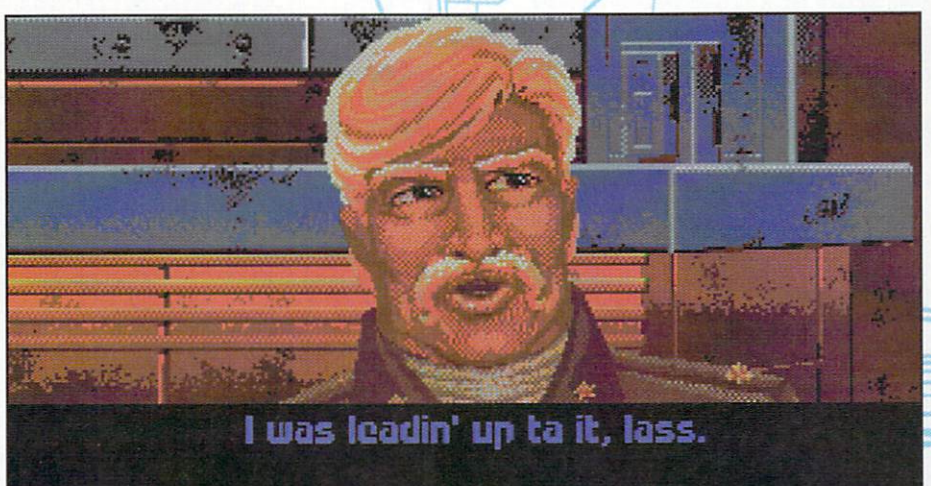
Navigating between points is also pretty tricky as asteroids keep getting in the way. These all spin off in different directions so picking your way through can be something of a headache. It's difficult to work out whether this adds to the game or just makes it totally infuriating when you manage to shoot down loads of baddies only to get swatted by an asteroid.

However, if you do actually manage to complete a mission, more missions and ships will become available to you. The structuring of the game is excellent and as you play a story seems to unfold. You climb the rank and squadrons and fight the good fight as the cat people get more and more lairy. Your progress in the game actually reflects on the course of the intergalactic war. If you win a couple of major battles, the Kilrathi may be pushed out of a star system.

This game shows its age and the graphics leave something to be desired but it is still a damn good game which involves the player to such a degree it is damn near impossible to stop playing. In my humble opinion, Wing Commander grows on you faster than acne after washing your face with lard.



The very cosy sleeping quarters.



Your scottish wingman fortified with special brew.

THE LOW-DOWN

PUBLISHER Guildhall
DISKS 3 floppies
HD INSTALLABLE Yes
PRICE £9.99
SUPPORTS All Amigas

GRAPHICS	70%
SOUND	80%
GAMEPLAY	95%
DIFFICULTY	Average

OVERALL SCORE

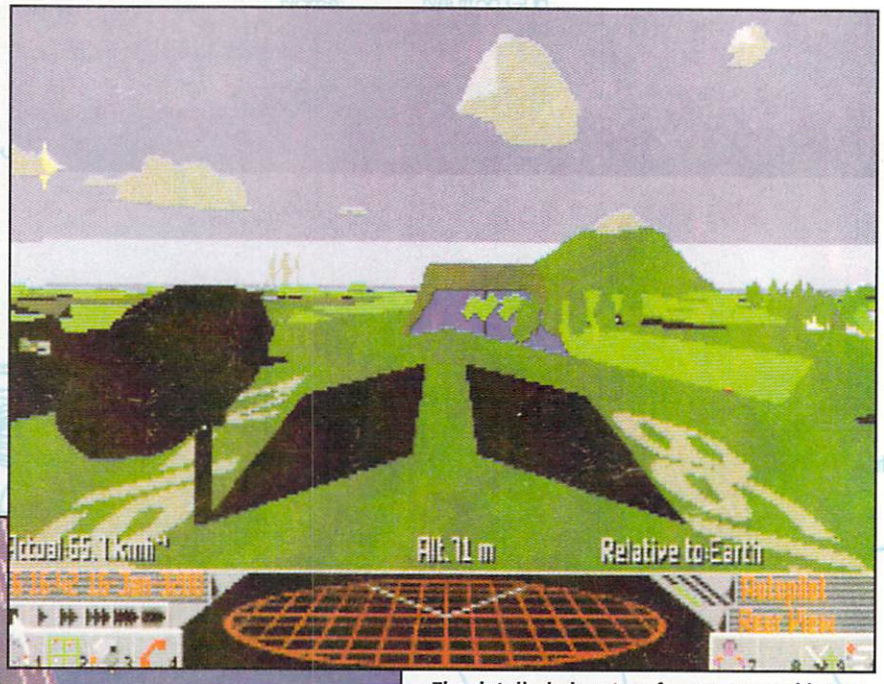
90%

Elite Frontier II

If you want a slightly more cerebral game, why not try the classic Elite Frontier. When the original Elite came out for the BBC in its full wire frame glory back in the mid 80s, it captured the first true generation of computer gamers - people who probably now spend a fortune on PlayStations and N64s.

The graphics were pretty good (for a BBC) and you could get engaged in some excellent space battles. However, the true glory of Elite was its sheer depth of play. The game offered almost unlimited freedom and could be adapted to suit the player. You could be a mercenary, a warrior or a no good smuggler shipping tonnes of hash and contraband guns about the solar system.

In the original Elite there were eight galaxies and a less than a thousand planets. In Dave Brabens sequel there was admittedly only one galaxy, but it contained 2 hundred million stars with thirty thousand inhabitable planets. This huge play arena is divided between two monster political entities - the Federation and the Empire. Your task is to make as much money as possible either through your own duplicitous skulduggery or in the employ of these super powers.

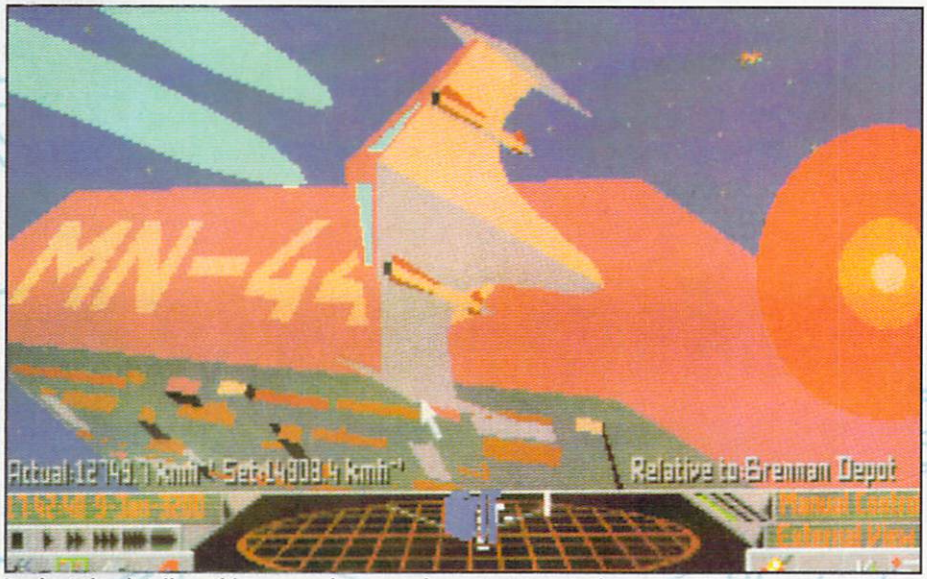


The detailed planet surfaces are a real bonus - specially as there are about 30,000 of them.

CLANG, CRASH,... Captain Poynton reverses in to a space station.

As you can see the graphics were absolutely stunning - at the time possibly the most detailed polygon models ever seen on an Amiga game. Weapons are visible on pylons underneath the ships wings, buildings are visible beneath the bio-dome of cities with names like Birmingham City and the space stations look amazing.

Unlike Wing Commander, you are not fighting the good fight, you're just out to make as much cash as possible. You can adapt the game to fit your mood, be a shifty drugs smuggler and give the interplanetary coppers the run around or be a stalwart citizen of whichever political entity you choose. Whatever, the freedom of gameplay and excellent graphics will impress, especially when you consider the game is four years old.



Look at the detail on this screen shot - numbers on space stations, weapons slung under the ship...

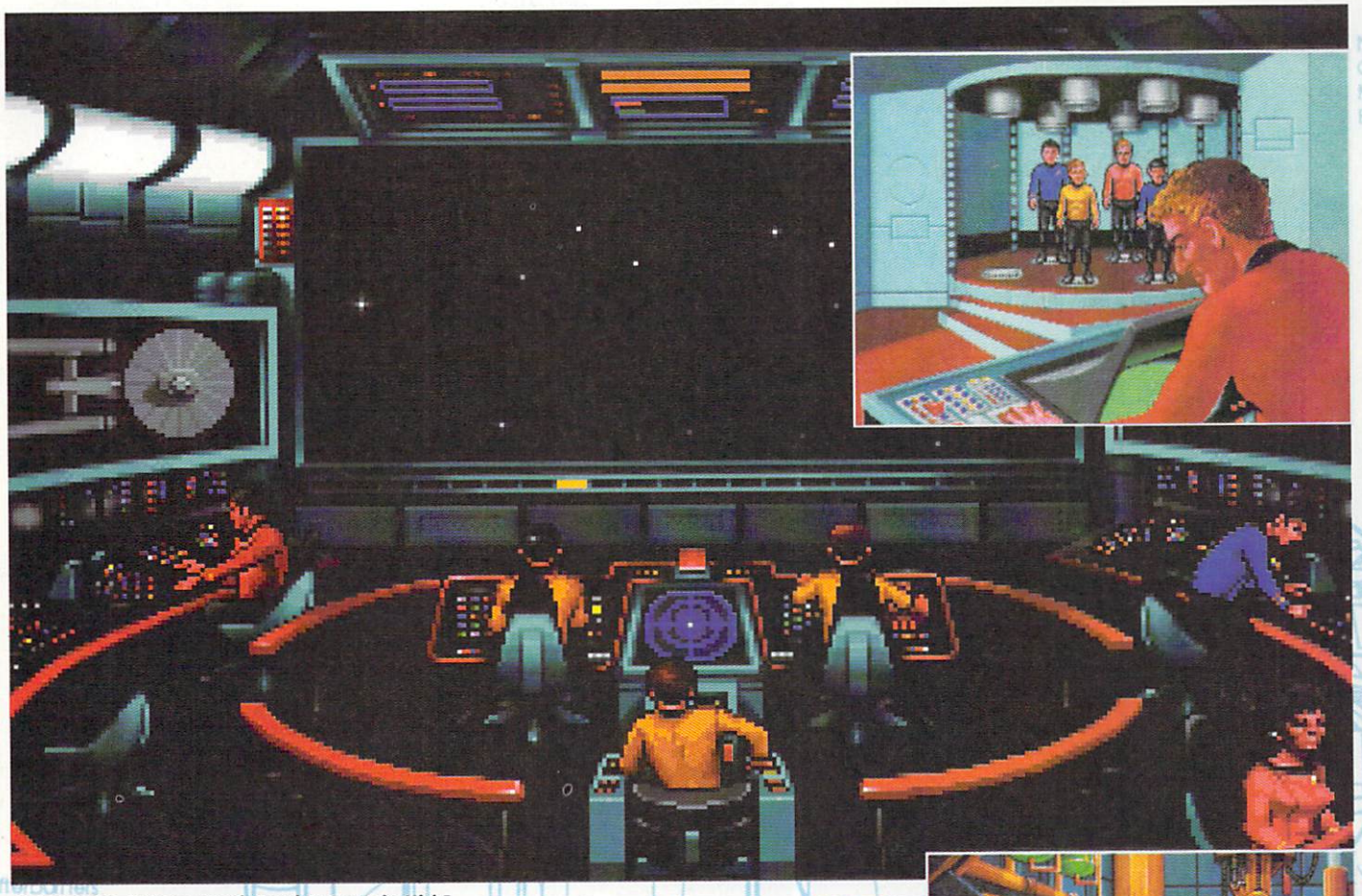
THE LOW-DOWN

PUBLISHER Direct Software
DISKS 2 floppies
HD INSTALLABLE Yes
PRICE £18.99
SUPPORTS All Amigas

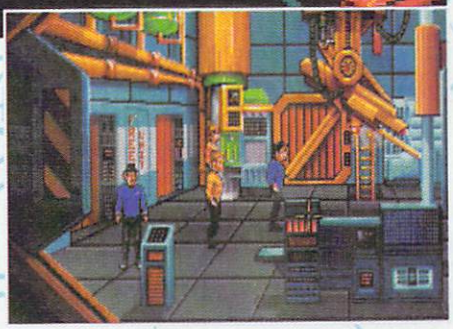
GRAPHICS	90%
SOUND	80%
GAMEPLAY	85%
DIFFICULTY	Easy

OVERALL SCORE

85%



Can you be smug enough to play Captain Kirk?



Extra bloke in the red jersey - watch out - you normally get captured/eaten/vaporised.

Star Trek: The 25th Anniversary

OK, so not the most original of titles but a pretty decent game nevertheless. I am of the considered opinion that Star Trek is actually alright when they blow things up. The poncey arsed Prime Directive serves only to make 60 per cent of the episodes boring and unwatchable - with tedious sub plots involving Data or Spock searching for their emotions/sense of humour/libido. When they kick ass though things pick up. This game lets you tear through the universe, blowing up space ships and telling those stupid backwards colonies in the far reaches of the solar system not to be so primitive.

Star Trek: 25th Anniversary takes you back to the halcyon days when William Shatner had real hair and Scotty wasn't a lard ball. You control the characters via a point and click system which is thankfully very easy to pick up. Each character has a number of roles, each of which is highlighted when the mouse passes over them. Kirk gives the orders and leads the parties, Sulu manoeuvres the ship into orbit, Chekov fires the phasers and Scotty keeps you informed of your impending doom.

The strength of the game is its balance of story line and scrapping. The Monkey Island Style point'n'click system really lets you get immersed in the game, and with all the excellent, slightly cheesy pioooyng sound effects you will find the game good fun, but rather embarrassing to play in public. You can use diplomacy and tact to charm planets inhabitants into giving you information and help or you can be totally offensive to them just like you always wished they were on the TV programme.

For me, the scrapping scenes are the highlight. Using the mouse to steer the ship, and with a choice of phasers and photon torpedoes, you can attempt to blast the crap out of your foe. You can watch the action from the bridge or the whole screen and some of the battles can be epic, with volley after volley needed to defeat the enemy ship whether it be a Romulan warship or a space pirate. All in all, good, unadulterated spoddy fun.

Where the game particularly wins out is the fact that it does combine intelligence and fun quite effectively. You have to use your grey matter to complete most of the missions but they don't become tedious or boring.

Unfortunately, Star Trek, 25th Anniversary is quite difficult to get hold of nowadays but, getting in contact with mail order companies can often yeild good results.

All in all, good, unadulterated kitsch and spoddy fun.

THE LOW-DOWN

PUBLISHER Interplay
DISKS 8 floppies
HD INSTALLABLE Yes
PRICE £TBA
SUPPORTS All Amigas

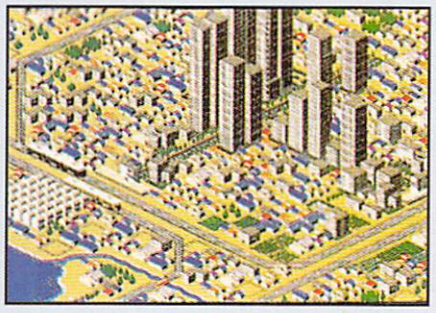
GRAPHICS	90%
SOUND	90%
GAMEPLAY	86%
DIFFICULTY	Tricky

OVERALL SCORE

88%

Dirty Rotten Scoundrel's Cheat Page

Hellllo. Slot another Dunhill in your cigarette holder, mix another gin and tonic and settle back with a sly grin on your face. Being a bounder and a cad I never do anything honestly, I have a different dolly bird every week and I cheat at computer games. Take advantage of my worldly knowledge if you like. I think you'll find that no other magazine has quite so many hints and tips, or such a handsome rogue with pencil thin moustache. This month, A to D...



A-Train

Any time you're strapped for cash, type "CHEATERCHEATERWIMP" for an instant $50,000,000.

Action Fighter

When asked to enter your name, type "ZBACKDOOR". You will now have infinite lives and energy.

Addams Family

Secret Rooms

Get yourself an extra four lives whenever your game is finished by walking past the continue door to the left. Here you'll find a secret room where you can collect your extra lives.

Passwords

First Power-up Extra Energy	"&1#1#" | "L1191"
Second Power-up Rescue Pugsley	"?1S1M" | "61H1C"
Third Power-up Rescue Granny	"BLSRS" | "B&198"
Pugsley Rescue Fester	"V121B" | "B?KKV"
Wednesday Rescue Wednesday	"VD2RL" | "BLS1T"
Granny Game Ending	"V&YKW" | "#Z6D?"
Fester	"VL#R4"

Starting Locations

"&1Y1M"	three hearts (after the big tree)
"?191D"	Hearts (after fridge in kitchen)
"B919D"	5 hearts (after conservatory)
"V1S14"	Pugsley (games room)
"V919B"	Fester (picture gallery)
"BG9K&"	Wednesday (crypt)
"BLJK#"	Granny (kitchen)

Alien Breed

Soup up the game using the cheats those cheeky Team 17 chappies wrote into the game. Log onto the Intex computer on deck two and type any of the following:

- "I CANT BE ARSED TO PLAY THE FIRST LEVELS" will take you to level three
- "MANCHESTER UNITED CANT FLY AIRPLANES" will take you to level six
- "SHINE ON YOU CRAZY DIAMOND" shows the ending
- "OH GIMME SOME KEYS IVE GOT A HARD ON" will give you infinite keys
- "I AM IMMORTAL OR SUMMAT LIKE THAT" will make you invincible
- "IS IT TRUE THAT THE ALIENS SUPPORT MAN UTD" makes aliens weaker
- "PISSED AS A FART" will, rather pointlessly, reverse the joystick controls
- "THE IRAQIS MADE THE WEAPONS" results in the players weapons being duff
- "SALMAN RUSHDIE PLAYS ALIEN BREED" makes the player invisible
- "BEWARE ALIENS SPADGE HAS DROPPED ONE" scares aliens off
- "PITBULLS ON THE LOOSE" turns the aliens psycho
- "ALIENS ARE FAGGOTS" will give you infinite health
- "PUFFNUTS MODE" makes aliens slow and easy to shoot
- "BEN JOHNSON TRAINED THESE

ALIENS" makes aliens super fast
- "STEVIE WONDER" turns the screen purple
- "GURU TIME" will reset the computer
- "ST EMULATOR" makes the graphics duff
- "PC EMULATOR" disables the Intex Computer

You should hear a crunch sound when you've entered in the last letter of your cheat. There were some more, but they were just too rude to print - there may be ladies present...

Alien Breed II (ECS & AGA

Passwords
"378829"Fifty keys
"736353"credits
"098654"Ten lives
"243433"Activates level skip
(Use 'N' during play to skip levels)

Level Codes

02	"353828"
03	"108383"
04	"370101"
05	"982822"
06	"847464"
07	"737373"
08	"928112"
09	"267364"
10	"193831"
11	"090921"
12	"309383"
13	"101221"
14	"103992"
15	"998112"
16	"125332"
17	"091233"

Archer M's Pool

To reveal the ability of the players you are up against type "VF12" while in trickshot mode, then go to demo mode to find the new menu. Select two players to make the computer play itself, then wait. Hey presto - test the metal of your opponents.

'Allo 'Allo

A simple cheat to access any of the first five levels is to type "BASH STREET KIDS" on the title screen. Whilst playing you will be able to press keys '1'-'5' to skip to levels one to five.

Breathless (v1.1)

1.1	N/A
1.2	"181CEICWL13PGOQW"
1.3	"181C8VWGMQ3PGOQV"
1.4	"181CUBW2NN3PGOQQ"
1.5	"181A59KMOMVPGOQP"
2.1	"181A59NMH5RPGOPD"
2.2	"181A59JSIURPGOPG"
2.3	"181A59KCKPNPGOPF"
2.4	"181A59M6TSFPGOPA"
2.5	"181A59M8TSFPGOP9"
3.1	"181A59KMV63PGOPT"
3.2	"181A59KOV63PGOPW"
3.3	"181A59M2W6RPGOPV"
3.4	"181A59OWPFBPGOPQ"
3.5	"181A59IW5CBPGOPP"
4.1	"181A59I21TDPGOSD"
4.2	"181A59L44U9PGOSG"
4.3	"181A59NAF5DPGOSF"
4.4	"181A59NCF5DPGOSA"
4.5	"181A59H6G85PGOS9"

Bubble & Squeak (AGA)

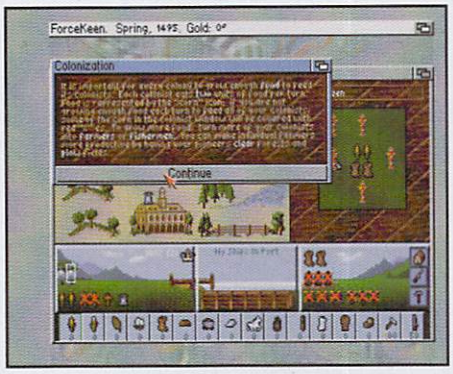
"HEFSBEER"	for nine guys and nine hearts
"MAXIBABY"	for a new difficulty setting
"BUTTHEAD"	for infinite hearts and lives
"WHOCARES"	for a message from the programmer

Civilization (ECS & AGA)

Pressing 'ALT-R' will randomly change the personality of the computer leader.

To get the denizens of your settlement to speed up their activities, give a settler a command such as 'r' to build a road and select the settler again with a mouse. Repeat this until the road is complete. This will also work with all settler commands like 'p' to clean pollution, 'm' to build a mine so that you can build things in a single turn.

If you own an early ECS version you can have find a complete world map by pressing 'SHIFT' and '1234567890T'.



Colonization

A simple cheat is to name your settlement "Charlotte". This will allow you to see all maps instantly, see other European ports, check other county's statistics and gives you $50,000. When you access other European ports you can spend all their money.

Championship Manager 93/94

Select New Game, Tranmere and Arrogant. Call yourself "Mr Bulgaria" and you will suddenly have 34 million quid to spend.

Cannon Fodder II

Go to the save game option and when the game requests a name, type "JOOLS". Cheat mode active will flash at the bottom of the screen and the ranks and abilities of your men will have increased.

Desert Strike

By typing "HARDCASE" you can get yourself unlimited weapons, but low armour.

Level	*Codes*
2	"BQQQAEB"
3	"KLJLTOE"
4	"WEIVVJT"
END	"ONKKQKF"

"BQQQAEZ" will automatically put 10 rescued guys in you helicopter thus beefing your health points. When you run low on ammo press 'F10' or '0' to call up the map and press either again to go back to the game and you will find all ammo is restocked.

Defender of the Crown

By holding down the 'K' key whilst the game is loading, you will start with 2048 knights.

Defender of the Crown 2

When the game asks for passcodes, type:

"GOATY"	for invincibility
"INCAS"	to replace inviso with smart laser in stargate
"ANDES"	to restore power when the laser is fired.
"RAVEN"	to activate the three

following keys:

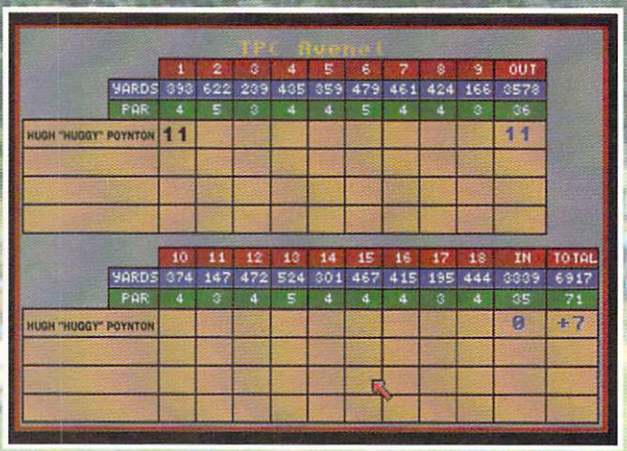
"I"	Invincibility on/off
"N"	Next level
"D"	Fly auto pilot 23 levels

Level Codes

01	"START"
05	"FLOYD"
09	"FURRY"
13	"BEAST"
17	"LEMAC"
21	"ZIPPO"
25	"LASER"
29	"DAFAD"
33	"MAGOG"
37	"FUNKY"
41	"DONKY"
49	"KANJI"
53	"IRATA"
57	"NEURO"
61	"STOAT"

PGA TOUR GOLF™

Multiple Mulligan expert Hugh Poynton takes a look at Guildhall's golfing re-release, PGA Tour Golf.



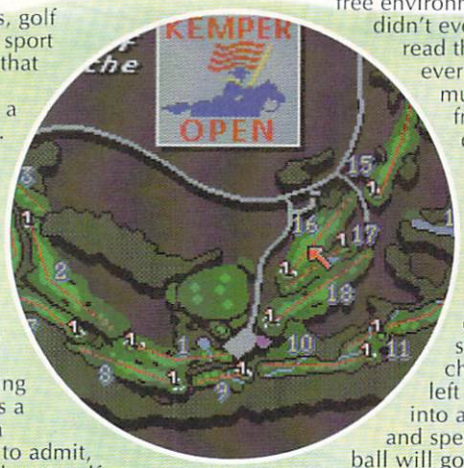
Seven over par, not a brilliant start

Perfect, a 250 yard drive up the course

They're strange things, golf sims. To me, golf is a sport not unlike cricket, in that it is very boring and requires hitting a ball a long way with a stick. As well as being boring, it also requires those participating in it to dress in red tartan trousers and lemon V-neck pullovers. (So what's the problem Hugh? – ED)

Mind you, after slagging golf for looking about as interesting as a Sunday afternoon at a garden centre, I have to admit, every time I've played on a golf game on the computer it's had a weird Zen like quality. I played Links Golf about five years ago on a lowly 286 PC and it was massively relaxing. You could chop your ball into the wide blue yonder and if you hit any sort of obstacle, it wouldn't be a problem. 'Looks like you've hit a tree, Jim' the slightly stoned commentator would mutter. The perfect way to clear your mind for half an hour. Maybe that's the attraction of real golf.

A stressful Friday morning seemed like the best time to try out Guildhall's re-release of EA's old PGA Golf Tour. I wasn't disappointed, the game was a totally stress free environment. I didn't even need to read the manual, everything was pretty much self explanatory - from the power bar to control the strength of your shot, to the par table to show your pitiful results.



This was a damn sight more playable than many golf games and tactics do matter. Get the swing wrong and you chop the ball off to the left or the right, fail to take into account the direction and speed of the wind and the ball will go way off course.

However, at the risk of offending anybody by maligning such a popular game, PGA Tour does have its drawbacks. The game is seven years old and looks it. The sky is rendered in a purple/blue shade, the colour you'd expect just as a rather bad thunder storm was about to turn the course into mud, and the grass looks it has been liberally coated in radioactive isotopes.

PGA Tour is a game you will either love to bits or not care for at all really. As golf games go it's one of the best - despite the ropey graphics, it does have a certain laid back playability to it. I could almost imagine it being the sort of game you wouldn't sit down to play, it'd be on while you were doing something else and you'd delve into it, take a couple of shots and return back to what you were doing. To do well in the game actually takes quite a lot of skill, so it is challenging enough to retain your interest for some time. If you're after a relaxing but engaging game, you could do worse than to pick up a copy of PGA Tour.

THE LOW-DOWN

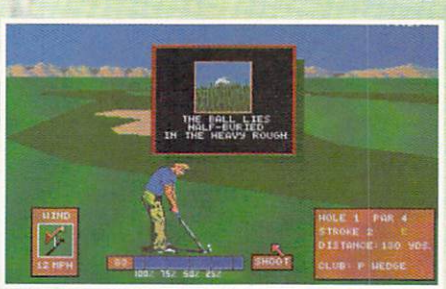
PUBLISHER Guildhall
DEVELOPER Electronic Arts
HD INSTALLABLE Yes
PRICE £9.99
SUPPORTS All Amigas

GRAPHICS	70%
SOUND	75%
PLAYABILITY	78%
DIFFICULTY	Average

OVERALL SCORE

75%

Good shot sir!



Miles of beautifully tended turf and I land my ball in the shrubbery. Typical

It's your job to save this quaint provincial little land from the powers of evil

WIN! Tickets to the Royal International Air Tattoo

On July 19th, the 1997 Royal International Air Tattoo will open its doors to the public. RIAT is the largest and most significant military air show in the world, attracting well in excess of 200,000 visitors and aircraft from more than 35 nations.

The Royal International Air Tattoo is staged each year to help raise funds for the Royal Air Force Benevolent Fund. Over the years the show has helped to raise over £3 million for the Benevolent Fund's charitable works.

RIAT 97 will include a 50th Anniversary tribute to the United States Airforce, an aerial display celebrating 50 years of supersonic flight and the 1997 Breitling Fighter Challenge. This pits top pilots from across the globe against each other using high tech helmet mounted simulation systems.

We have 15 pairs of RIAT 97 adult tickets to give away. To win, simply match the aircraft names to the silhouettes below.

Planes to choose from
F22, F-86 Sabre, Su 27, F16, Eurofighter 2000, Tornado F3, E3 Sentry

ENTRY FORM

Name: .....

Address: .....

.....

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

I am aged ❑ 18-30 ❑ 31-49 ❑ 50+

Aircraft 1 is..... Aircraft 3 is..... Aircraft 5 is.....

Aircraft 2 is..... Aircraft 4 is..... Aircraft 6 is.....

Aircraft 7 is.....

Send entries to RIAT 026 Royal International Air Tattoo Competition RAF Benevolent Fund Ents, PO Box 1940, Fairford, Glos GL7 4NA.

Entries to arrive no later than June 27.

Data Protection Act 1984 From time to time the Royal Airforce Benevolent Fund may wish to send you details of other events and services which they feel may be of interest to you.

❑ Please tick the box if you do not wish to receive this information

Flyin' High

We sneak a look at Epic's forthcoming combat racer, Flyin' High

Some of the Flyin' High Tracks are stunning - look at the shadows on the snowman in this grab

The desert stage

In the last few months Epic Interactive has launched a concerted effort to re-establish itself as a major player in the Amiga gaming world. By releasing tried and tested quality games such as Testament and Kargon from German manufacturers, Epic has been able to bring new titles to the UK safe in the knowledge that the games titles it is selling have already been successful on the continent. However, Epic is also taking a few chances on some brand new games. One of these games currently under development is the 3-D racing game, Flyin' High.

Flyin' High is a fairly straight forward arcade racing game. The aim is to muscle your way to pole position using your driving skills and a few well aimed heat seeking missiles. Rather than the usual boring flat circuit, Flyin' High offers you four courses chock full of jumps, dips, bridges and tunnels. The action takes place, not on a flat circuit but on convoluted tracks with tunnels, buildings hills and dips and other obstacles to hinder your task. All this lends Flyin' High a very fast moving arcade feel.

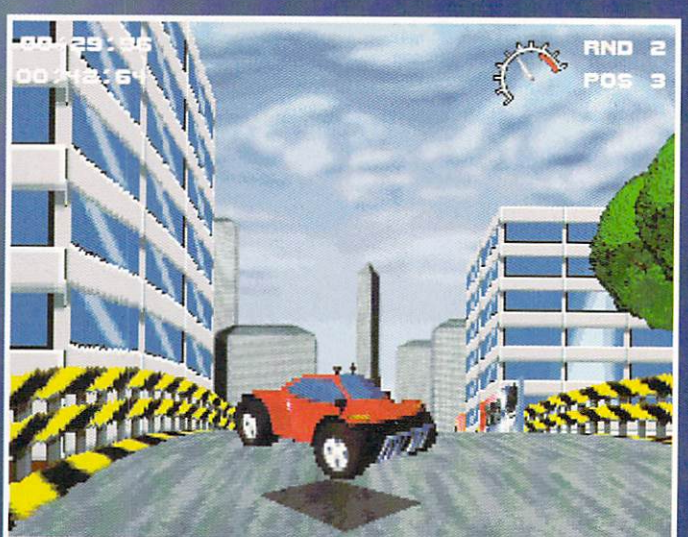
At this early stage the game looks very promising. The texture mapped graphics and little touches such as shadows, reflected light and flying sparks add to the game immensely. One feature I particularly like is the way the tarmac is textured to give the impression of speed. The only criticism I could make about the game at the moment is the fact that the steering is still quite sensitive. Although update patches have eased this problem to a large degree, putting the car into a spin or a skid is still annoyingly easy.

Many of the game's functions aren't available quite yet, but Flyin' High is under continuous development and patches are available from Flyin' High's support Web site. The finished version should boast one and two player modes, loads of powerups, customisations for the car and a wide variety of tracks.

Like many new releases for the Amiga, the system requirements for the game are relatively high. You will need an A1200/4000 with hard disk, Amiga OS3.0, 68020, 68030, 68040 or 68060 processor, AA-Chipset and 4Mb FastRam.

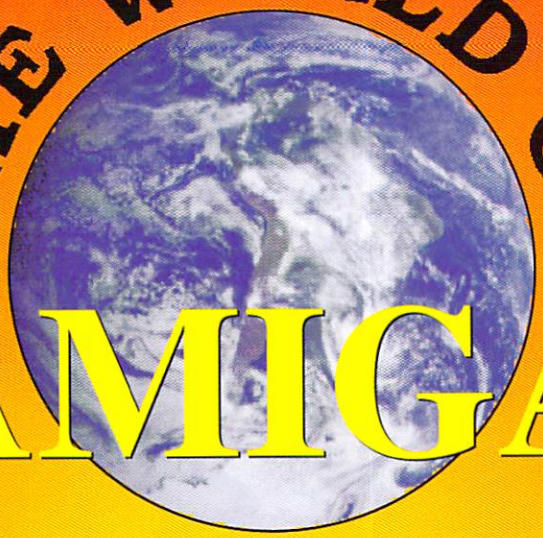
Keep your eyes peeled for Flyin' High, the game looks like being a worthy addition to Epic's new range of Amiga specific titles and a showcase as to how good games can look on an Amiga.

Claustrophobic action in one of the game's many tunnels



Why do you think they call it Flyin' High?

THE WORLD OF AMIGA



IT'S BACK!

even bigger and better this year

So On With The Show

ALL the exciting new releases

from the leading Amiga developers

★ Save £100's On Special Offers

★ ICPUG Free Advice Centre

★ Internet Village

★ High End Applications

★ Presentation Theatre

Novotel Exhibition Centre, Hammersmith, London

Saturday, May 17th 10am - 5pm and Sunday, May 18th 10am - 4pm

Avoid the queues by booking in advance Credit Card Hotline **01369 707766**

Cheques and Postal Orders made payable to The World of Amiga at PO BOX 9, Dunoon, Argyll. PA23 8QQ

Admission: Adults £8 Children £6

TWELVE SPEED (x12) CD-ROM DRIVES

x2 AND x4 SPEEDS ALSO AVAILABLE AT GREAT PRICES. CALL NOW!

IN A HIGH QUALITY EXTERNAL CASE

£179.95

£249.95

INCLUDING SQUIRREL SCSI AN
THREE CD-ROMS WORTH £112

SurfSquirrel £99.95

The powerful Surf Squirrel interface is at the cutting edge of technology for easy A1200 expansion. It provides both a high performance SCSI-2 interface and a fully buffered, high speed serial port that is capable of performing up to 400% faster than the A1200's serial port.

- High performance SCSI-2 hardware.
- Compatible with any SCSI-1 or SCSI-2 peripherals.
- CD-ROM and hard disk drivers included.
- Includes a full CD32 emulator.
- Low CPU usage.
- Supports synchronous modes.
- Autobooting.
- Automounting.
- Serial port compatible with all modems and serial hardware.
- Multitasking drivers compatible with all modern comms and networking software.

£49.95 Studio II

NEW PHOTOREALISM WITH CANONS

If you want to get the best possible output from your printer—better even than on other platforms—then you need the phenomenal printing power of Studio II. The package includes powerful Workbench drivers for use with your applications, plus special software that includes a professional Colour Management System and allows you to print images directly from disk in 8-bit or 24-bit precision. All popular graphics formats supported

Classic Squirrel £69.9

Fully tested with a wide range of SCSI-1 and SCSI-2 peripherals, the original "Classic" Squirrel interface supports data transfer speeds of up to 1.2Mb per second on a standard A1200 and an astounding 3Mb per second with a 68030-accelerated A1200. The Classic Squirrel plugs into your PCMCIA port and allows you to connect up to seven SCSI peripherals to your A1200 or A600.

Twist2 £69.9

NEW LOW PRICE

Twist is the world's most successful Amiga database. Its range of powerful features coupled with its uncluttered interface makes light of all manner of tasks ranging from building a simple card file for your CD collection to implementing a full relational business database for stock control and invoicing.

iBrowse £29.95

Try as they might, the competition simply cannot keep pace with the power and popularity of what Amiga Computing says is "still the premier Amiga browser" (Issue 112, May 97). Everyone agrees that IBrowse always has been the most advanced Amiga web browser, and with regular updates we aim to keep it that way!

Cinema4D NEW V3 £199.95

Cinema 4D is the award winning, easy to use raytracing and animation system for your Amiga. Equipped with a user interface that complies with the Amiga Style Guide, Cinema 4D is replete with every conceivable option, including:

- Window-based, realtime interactive modelliing.
- Direct modelling in 3D.
- Basic and complex primitives with infinite variations.
- Visible light.
- Lens flares and lens glows.
- User defined menus.
- Object and texture lists.
- Definable object hierarchies.
- And much, much, more!

Megalosound £29.95

This sophisticated 8-bit sampler connects to your printer port and allows you to sample directly to disk, thus enabling whole songs to be recorded with ease at a sampling rate of up to 21kHz stereo on an A1200. When sampling to ram, rates of up to 56hHz are possible. Phenomenal sound quality at a great price!

NEW LOW PRICE

SMD-100 £169.95

Now with THREE FREE Video CDs

The Squirrel MPEG Decoder (SMD-100) is a brilliant new concept for home entertainment. Using your existing SCSI CD-ROM drive you can now access the world of Digital Video—superb 24-bit quality video with crystal clear 16-bit sound. With the SMD-100 you can play any Video CD or CD-i Movie through your Amiga monitor or through your home TV set. Comes complete with multi-function remote control unit.

NEW LOW PRICE

WebExplosion £49.95

The secret to a successful web page is graphics—stylish, interest-grabbing screen gems that download quickly and keep your visitors coming back for more. Web Explosion is by far the largest collection of professional quality web graphics that you'll find anywhere—20,000 GIF and JPEG images packed onto two CDs. Buttons, bullets, backgrounds, banners, dividers, clip art, photos, textures... they're all here in a collection that caused CU Amiga to exclaim: "fantastic ... get this now!" Comes complete with HTML catalogues and a 120 page manual that makes finding the right graphic a piece of cake.

SPECIAL OFFER MODEM PACK
33.6BPS MODEM
PLUS NET&WEB2
£169.95

Top Amiga Books

Experienced Amiga reviewers waxed lyrical over Surfin' and First Steps Amiga, awarding them the highest marks ever given to any Amiga books (98% and 95%). Now you can own these two fine books for just £6.99 each, or an amazing £9.99 for both. Written in Plain English, both are instantly understandable, a joy to have on your bookshe

CALL 0500 223 660 FREE

HiSoft SYSTEMS

ALL MAJOR CREDIT CARDS ACCEPTED

POSTAGE £2, COURIER £4 (NEXT DAY £6)

HiSoft Systems—Your Safe Passage Through The Jungle

HiSoft Systems
The Old School
Greenfield
Bedford MK45 5DE

Phone 01525 718181
Fax 01525 713716
Email sales@hisoft.co.u
Web www.hisoft.co.uk