

Amiga Expo
AAG

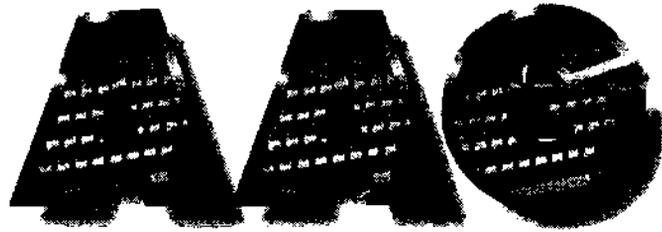
Australian Amiga Gazette

2 Days

AmigaFest

Melbourne

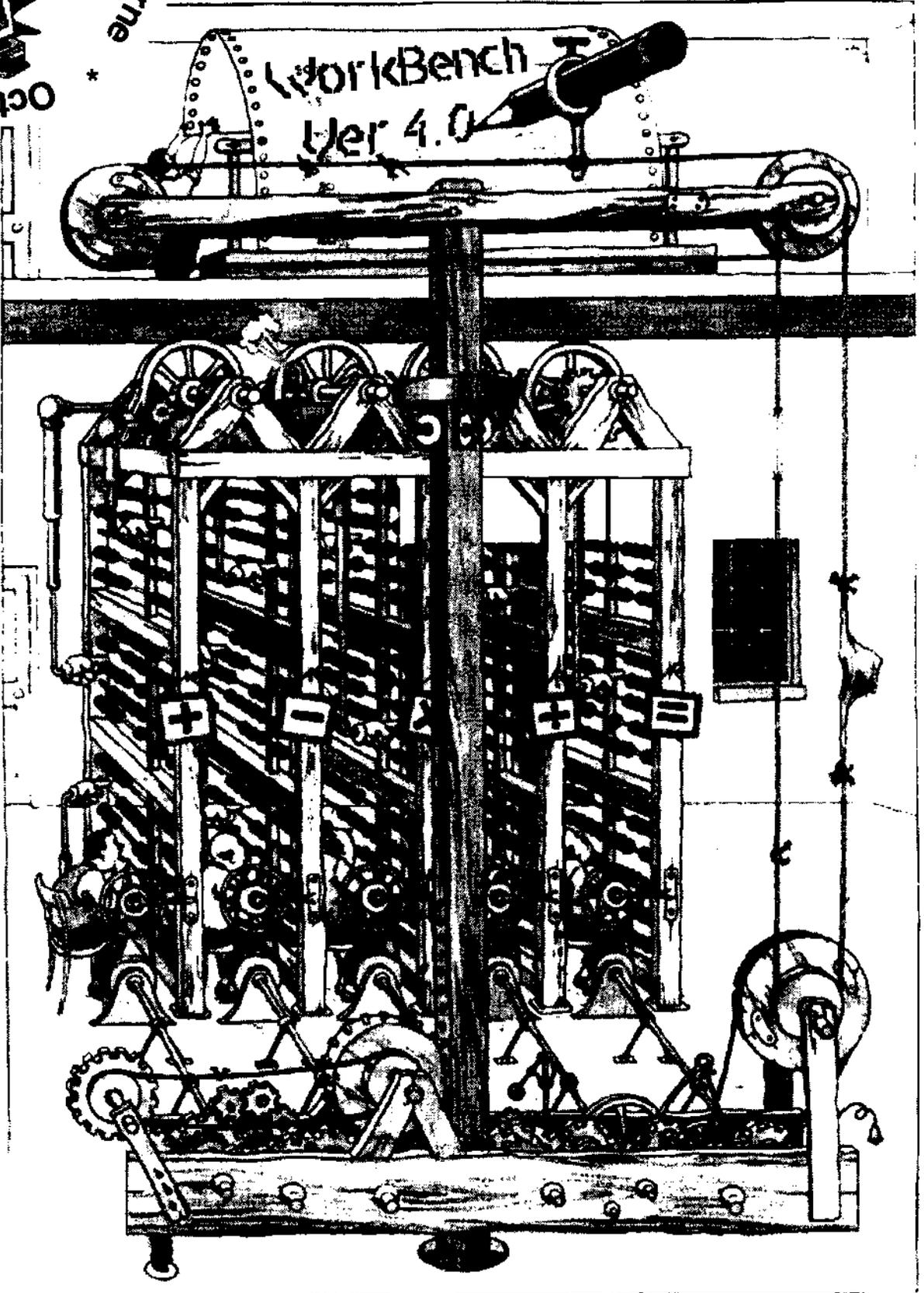
October 98



RRP
\$3.95

Issue 19

Australian Amiga Gazette



So you cant get anything for your Amiga. Yes you can !!!

**Announcing the Computa Magic Amiga
10 page catalogue.**

Containing over 500 Amiga software and hardware items available in Australia.

Cost \$ 3.00 including postage.

This will be refundable with your first order over \$50.00.

Computa Magic Pty. Ltd.

44 Pascoe Vale Rd.

Moonee Ponds. Vic. 3039.

Ph. 03 9326-0133 Fax. 03 9370-8352

Email. commagic@magnafield.com.au

Wordworth 7 now Available in Australia

Contact Your local Amiga dealer, or Computa Magic.

(Upgrades available only from Computa Magic)

Wordworth 7 CD \$ 90.00 FD \$ 95.00

Wordworth 7 Upgrades CD \$ 60.00 FD \$ 65.00

(Cross grades from Floppy to CD not available, Upgrade must be from Floppy-Floppy or CD to CD. Upgrades will also upgrade Digita Office Wordworth 6 to 7, but will not work with SE versions given away on Magazines. Aminet CDs or with Amiga computers)

New Arrivals

Viper 520 CD - A500 68020 33 Mhz, with Multi IDE interface, version 3

roms & software, 8 Mb ram, FPU option. \$ 340.00

Apollo 1260 - A1200 68060 50 Mhz \$ 890.00.

Ram 601 - 1 Mb chip ram plus clock A600 \$ 95.00

Power XL - External High Density 1.76 Floppy \$ 225.00

IDE4 - A600/1200 4 Way Buffered IDE card with IDEfix 97 (Registered) \$ 110.00

Digital Camera - Complete with Amiga & PC software \$ 360.00

Apollo 2030 - 50 Mhz 68030 for A2000 takes 72 pin Simms \$ 550.00

Zipps 1Mbx4 - \$ 25.00 ea.

Aminet 25 - \$ 28.00 Aminet Set 6 \$ 60.00 Amiga Forever V2.0 \$ 105.00

Myst, Genetic Species, Quake, Foundation, Oxyron Patcher,

Specials (Call for Pricing)

All ProDAD software - Clarissa, Animage, Adorage, Monument Designer Pro V3.0, plus add on packs. - Amiga 1200 Viper IV - 42 mhz 68030 + 4 Mb. Ram + Clock, DSS8+ - GVP digital sound studio GI105 - 64 Grey scale hand scanner with Touchup4 software with merge, and OCR jr. software. DKB Securecard - For A2/3/4000, prevents anyone booting the Amiga from either floppy or hard disk without the password.

Contents

Australian Amiga Gazette June 98

- * Editorial Dribble 4
Michael has calmed down after last months craziness
- * Amiga News 5
All the latest Amiga happenings here and over-seas.
- * Amigafest 98 7
Melbourne to have Amigafest in October (bigger and better).
- * Micronik Amiga 8
Curt gives us a rundown on his Amiga A1400T powerhouse.
- * AAG Contest Page 11
We have a winner for the "name AAG contest".
- * Viper 520CD Review. 12
Resurrect your A500 with a bit of Viper 520CD muscle.
- * Getting Involved 15
The latest list of Amiga user groups around Australia.
- * Jeff Shindler speaks 20
Jeff answers the hard questions about Amiga's future.
- * Ami-X-Words. 22
A bit late, but the April cross word solution.
- * Midi Box Project. 23
Get out your soldering irons we are building a midi interface.
- * Accelerators for beginners. . . 26
Peter has a good look at speeding up your Amiga.
- * AAG Subscriptions. 30
Why not have AAG delivered to your door each month ?
- * Best of PD 31
Everybody needs a text editor and Daniel revs up the text engine.
- * Readers Classifieds 34
Let your fingers do the walking in your free Amiga sales section.

Editorial

Dribble



The Australian Amiga Gazette is a grassroots publication, created for the purpose of keeping the Amiga dream alive in Australia and beyond.

The opinions expressed in editorials, articles, reviews and letters are solely the responsibility of the authors and do not necessarily reflect the position of AAG.

Letters to the editor are invited; letters may be edited to meet editorial requirements.

Editor:
Michael Burak

Writers:
Amiga Inc.
Patrick Anderson
Jenny Burak
Michael Burak
Daniel Hajduk
Vidar Lanberget
Geoff Milnes
Paul Morabito

Advertising
Advertising rates available on application. All copy may be edited, condensed or refused for publication.

Welcome back to another instalment of "Editorial Dribble". Last month as you may recall Amiga Inc. announced their roadmap for the future Amiga (well one third of it anyway). Since that momentous outpouring we have heard little of the remaining two thirds that was promised to follow in the coming months and I doubt we will. Maybe I am getting cynical in my old age or a bit weary for waiting for the Amiga saviour to come along.

The main thing all these saviours are lacking is faith and you can't be a true believer without faith (check your bible). The same faith that drives Amiga users to perserver with outdated hardware and software in the hope that one day a saviour will resurrect our beloved Amiga to its former glory has to permeate the saviour or any endeavour is destined to fail.

If you are thinking i am "one sandwich short of a picnic" it's probably that your passion for the Amiga is more eroded than

mine. During the IRC conference after the Amiga Inc. announcement the question was asked by a user "Does Amiga inc. understand that Amiga is more that a computer - its a religion?" Of course the reply was "yes", but i doubt that Amiga inc. has the capacity or desire to deal with such a concept.

In protest against the assimilation of the Amiga into the convergence industry i have decided to leave the remainder of this months editorial blank.

The Amiga News

Opera Software Announces Development of Amiga Version



Opera Software has announced the development of an Amiga version of its popular browser. The development will be carried out by the UK, based company Ramjam Consultants Ltd, under the leadership of Tim Corringham.

"We are delighted to be involved in porting Opera to the Amiga. Opera has an Amiga 'feel' to it even under Windows 95, so I'm confident it will make a high-quality Amiga application, and will offer a degree of commonality with Windows 95 that few applications achieve", says Corringham.

Both companies aim at a release date of December 98, just in time for the Christmas shopping season, providing a source of fun and satisfaction for many loyal and die-hard Amiga followers.

Opera for the Amiga is expected to support the same level on functionality as its Windows counterpart, thus putting it at the forefront of browsers on the Amiga platform.

The price for this version is not yet established, but it is planned to keep it in line with the Windows version.

Football 365 is coming home... to the Amiga!



FRANCE 98

www.football365.co.uk

Leading Internet technology company, IMM Studios in partnership with Direct Network Publishing have recently developed a unique and innovative publishing system which forms the heart of a new daily free Internet football magazine named "Football 365". As well as providing the most up-to-date news available in the footy world, it can even be personalised to your own team preferences through the "Homeground" section. F365 is available on the web, but is also designed to be delivered via E-Mail.

IMM has developed software to automatically unwrap the E-Mail and view it in a web browser for PCs, but now <http://uk.amigasoc.org> AmigaSoc UK have released a Amiga version of the official viewer for Football 365. So check out the Football 365 web site at www.football365.co.uk

Holger Kruse
Receives the
1997 AAA Award



Holger Kruse Receives the AAA Award international 1997

London, UK. Saturday May 16, 1998. Holger Kruse, creator of well-known Amiga Internet connection software "Miami", received the AAA Award International 1997 at the World of Amiga show in London, UK!

The AAA Award International 1997, consisting of a custom designed crystal glass Boing ball and a fine diploma, was handed over by Petro Tyschtschenko, MD of Amiga International, Inc. who along with Martin Sahlén, director of AAA Awards, performed the presentation. Holger Kruse, voted winner by Amiga users all over the world, expressed his gratitude for receiving this recognition. The ceremony was performed at the Novotel Exhibition Centre, Hammersmith, London.

The motivation, for which Mr. Kruse received the AAA Award International 1997: "For creating Miami, 'the first TCP/IP stack for



The AAG News

EVERY Amiga user'. The inexpensive, fast and easy fashion of Miami has helped making the Amiga a true Internet computer with a wave of new applications as a result."

Great Effects Development Announces Professional Filesystem 2



The author of Ami-FileSafe, Michiel Pelt, has reclaimed copyright and has continued development. The product is now in the hands of his company, Great Effects Development. The product will soon be released under the name of PFS2.

PFS2 will be available at the end of June, 1998. Check out their website at www.greed.nl for details or contact Michiel info@greed.nl.



Free upgrade to Tornado3D V1.75 is Available



Version 1.75 of Tornado3D, the most advanced 3D rendering and animation software for Amiga and DraCo computers, adds PowerPC support and many other hi-end features. Registered users can receive the 1.75 update for free, from Tornado3D's Web site: www.tomado3d.com

The "FREE 2.0" special offer has been extended to June, the 30th 1998. The package's serial number is required to fill the update form.

Amiga Yellow Pages.



Launched Sunday 7 June 1998. Amiga Yellow Pages is like any other Web based Yellow Pages but dedicated to the Amiga only.

Everything appears as a classified listing From Amiga International (A) through (b) books (Amiga), Games developers, Hardware Developers, Internet Service Providers etc The big difference, unlike other web classified pages, is that small



companies without their own internet web site can have a large classified display link web.ukonline.co.uk/michael.carrillo

Blittersoft Price Reductions For Mac and PC Emulation Software



Blittersoft announced a new price structure for their emulation software packages for the Amiga.

FUSION Mac emulation is currently at version 3.1 and is accepted as the ultimate Macintosh emulator for the Amiga. Fusion is actively developed and there is a planned upgrade route to a PPC version.

PCx PC emulation is currently at V1.1 and provides the user with the ability to run DOS and Windows 3.1 applications. Check out Blittersoft's webpage for more detail. www.blittersoft.com



Melbourne Amiga Show

Bigger
than the
Sydney Show

Amiga Expo
AAG

Australian Amiga Gazette

2 Days

AmigaFest

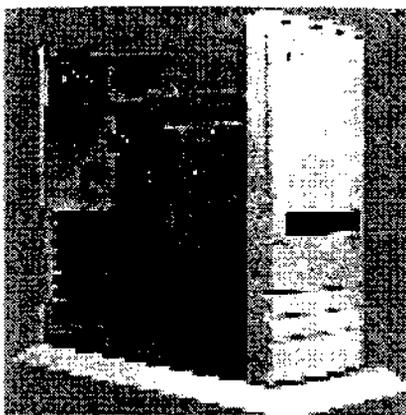
98

Melbourne

86

October

**Stay tuned to
this page for
all the details**



BRIEF DESCRIPTION

The A1400T is basically an A1200 - with the easy expandability of the "big box" Amiga such as the A4000T

It consists of an A1200 main board, a built in 150watt power supply, an expansion board with 5 zorro II slots & 1 inline video slot, one standard Amiga 880k floppy drive, standard 1200 keyboard in a separate case, and a mouse. The A1200 board has the 3.1 workbench ROM installed, and the A1200 manual and 3.1 workbench manual are included.

INSTALLATION

The A1400T comes in an Infnitiv case which has an extra floppy drive bay, a 3.5" hard drive bay, and 2 5.5" bays included, and more snap on modules are available if this is not enough for your needs. The case can even be expanded in height if you need more 5.5" bays. There is also space at the back for several more 3.5" bays but the actual bays are not included, so you would need to get these separately. All the 3.5" HD bays have removable face-plates at the rear of the case. The face-plate for the second floppy drive is moulded into the

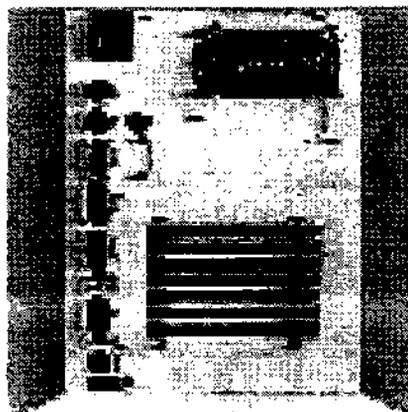
Micronik Infnitiv A1400T

By Curt Esser

front of the case rather than a snap out panel like the 5.5" bays have, so you might have to do some surgery to install a second floppy (such as remove it's face plate).

As the Infnitiv case is very well designed, and all the panels snap in and out. The only problems I encountered were due to the fact that the plastic drive bays are thicker than the metal ones in the 2500, I had to replace the mounting screws for the hard drive and CDROM with slightly longer ones. In my case this was a simple matter of a dig through my junk box, but if you don't have one of these you will need to go buy some appropriate screws.

Of course if you are not comfortable with working on the innards of your computer you will want to have any hardware additions, or transfers done by a qualified service man or a knowledgeable friend, but if you



have done this kind of thing on a "big box" Amiga before, you will have no trouble with this one.

FIRST IMPRESSIONS

The first thing I noticed when I turned my new system on was how quiet it is. I immediately put my hand over the fan outlet on the power supply, thinking the fan was not working. It was! The fan on my 2500 was quite noisy, and was one of the only things I did not like about that machine.

Since the A2500 I had previously been using had a FPU, MMU, and 4M 32 bit ram which I could not transfer to the A1400T (they are all on the 2620 accelerator card) I

expected some initial loss of performance compared to the A2500. I was surprised to find that everything seemed to run just as fast as before. In fact, some things seemed to go faster! For example, web page graphics seem to load faster, probably because it is easier to remap the pictures to 256 colours than to the 16 I was restricted to with my old ECS system. And a multi-coloured workbench screen goes just as fast as the 8 coloured screen I had used with the 2500. On the 2500, I had tried a 16 colour screen, but this had produced a noticeable slowdown. The A1400T can handle 256 colours with no performance loss!

REVIEW

I will not spend a lot of space reviewing the basic A1200 part of the system, as the A1200 has been around for a while, and most people are familiar with it by now. If you have never tried an Amiga with the AGA chipset, I will say that it is a huge improvement, and makes available to you many programs which won't run without it. The extra Meg of chip ram is also a big improvement over the 1M I had previously.

As far as software compatibility, I have found very few programs that worked on my old system that

gave problems on this one. The few I did find problems with were easily corrected with degrader, or by booting in ECS emulation on the Early Startup menu. These were all old PD games.



The Infnitiv tower case itself is a work of art. It is good looking and very easy to work on. It is coloured in what I call "computer off-white", the same as most peripherals you will find. It matches perfectly with my monitor, printer, modem, and speaker system. It has a nice sculptured look without being overdone. The keyboard case is also more

rounded and modern looking than my old 2000 keyboard. I should say here that I never have been a big fan of those industrial grey systems, nor the "bat-wing" style of keyboards. To me, beauty and functionality must go hand in hand, and Infnitiv has hit the mark here! You can also, if you wish, use a PC keyboard, as the system has a built-in adaptor and the plug is the same. Perhaps I am missing something here, but I never understood why you would want to use a PC keyboard. Do they have something that is missing on the Amiga keyboard? Maybe you need to do this if you have a bridge-board, which the A1400T also allows.

The case has a front-mounted power button and power indicator light, and below this a reset button which has a light for your hard drive included. At first I thought this was rather silly, since the reset button does the same warm-reboot as the [Ctrl][Amiga][Amiga] combination, but I have now become spoiled, and use the reset button exclusively. (I do a lot of



Micronik Infnitiv A1400T

programming on my Amiga, so I wind up re-setting much more often than most!)

The inside of the case is just as well designed as the outside, all slots are properly aligned, everything snapped apart and together correctly, the power supply has several of the standard size connectors you will need, and all my peripherals fit easily into their intended locations. And all work just as they did before.

Please note that the flicker-fixer I installed in my A1400T is not really necessary, as the OS will allow you to mode-promote your screens to be compatible with a VGA or Multi-synch monitor, but this requires an adaptor to attach the monitor's cable to the standard Amiga monitor port. The adaptor is NOT included with the system, and I already had the flicker-fixer, so I installed it - and it works fine.

So, in short, what I now have is the equivalent of adding the AGA chipset to my old system, combined with the benefits of the new case, and the ability to use one of the low-cost A1200 accelerators! This unit is the perfect upgrade path for me. I have long wanted to upgrade my system, but couldn't afford a new A4000 and didn't want to get an A1200 due to the difficulty of expanding it even enough to just duplicate my old A2500.

LIKES

I like EVERYTHING about it (as if you couldn't tell by now!)

DISLIKES

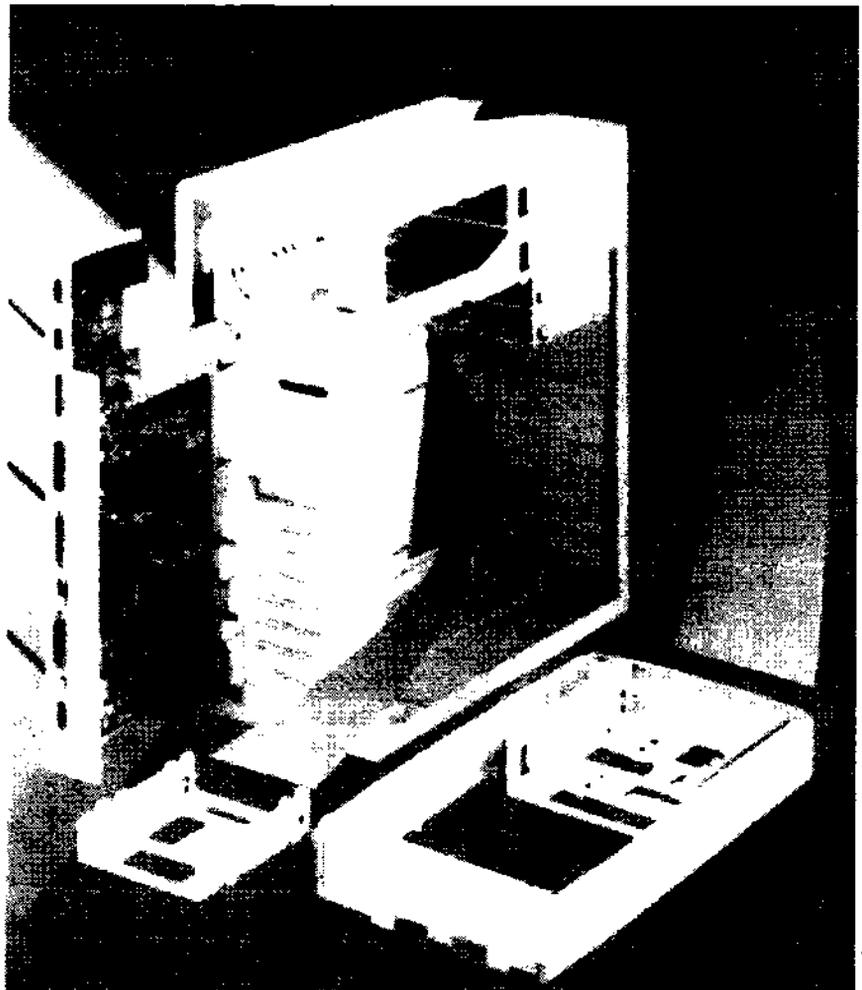
My only (minor) complaint would be the lack of any sort of documentation on the case. Although it is pretty easy to figure out, some brief descriptions and diagrams would have been nice. Perhaps this lack was due to the rush to get these out to the dealers or something similar, as I have one of the first available units. (I ordered it the instant I saw they were available)

CONCLUSIONS

This is truly an excellent product, and I expect they will sell a lot of

these. If money is no object, an A4000 is still the ultimate Amiga, but if you are looking for a lower cost option, this is the way to go! And you still have the capability to upgrade as your budget allows. A new, expandable Amiga in a beautiful tower case for less than the cost of a "budget" PC? How could you go wrong?

I take my hat off to Micronik, Infnitiv, and Gateway 2000 for this excellent product, and to Software Hut for their excellent service.



Aminet 25 Winner

Congratulation goes to

Tony Cash
of Rooty Hill NSW

Your copy of "Aminet 25"
is on its way in the mail.



Subscribe to AAG and Win!

The Global Amiga Experience
Each months Re/New subscribers go
in a draw to win a great prize.

(Offer closes 1-11-98)

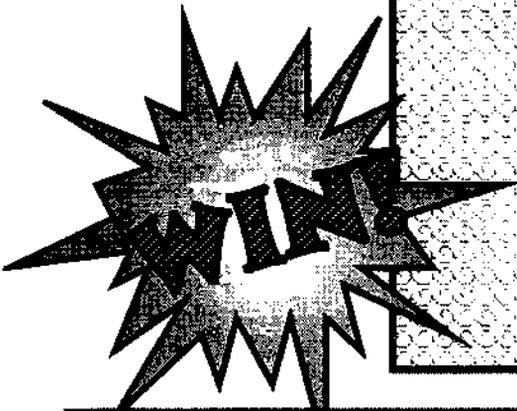


AAG Name Contest Winner

Congratulation goes to

Chris Commings
of Randwick NSW

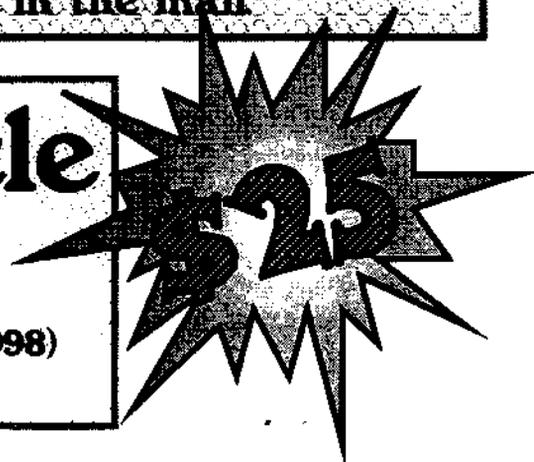
Your copy of "MYST"
is on its way in the mail.



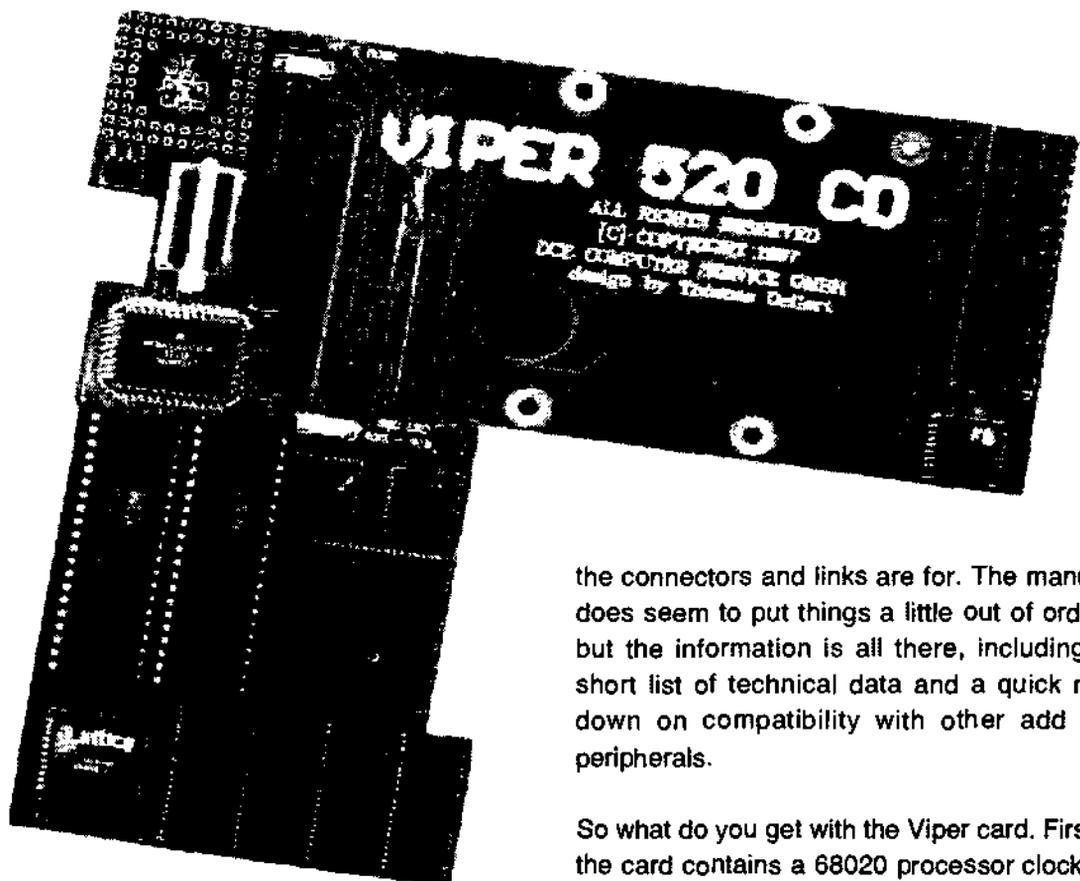
Write an Article

Submit an article to AAG, if it is
published, you will receive a \$25
cheque in the mail. (Offer valid for 1998)

(Available only to Australian residence)



RESURRECTING YOUR AMIGA 500



The old Amiga A500 has been sitting up in the cupboard doing nothing. Let's face it, it has one meg of ram and getting any more is like trying to find hens teeth. You want a hard drive (these are just about as rare) and what's more when you do find them they invariably have problems. If you want a CD Rom drive, then here goes more cash for an expensive SCSI drive. Now you have spent all that cash, you still have the problem of speed - the old girl has about as much grunt as a Volkswagon running on two cylinders.

Along comes a new board, which just may answer all your problems, and give you access to lower priced PC type IDE devices. Called the Viper 520CD you get a pretty plain looking box with a white label, but it's what is inside that counts. Opening up you get a board, a rather thin manual, and some disks.

The manual, although thin is pretty easy to follow, and provides all the information you need to install, as well as explaining what all

the connectors and links are for. The manual does seem to put things a little out of order, but the information is all there, including a short list of technical data and a quick run down on compatibility with other add on peripherals.

So what do you get with the Viper card. Firstly the card contains a 68020 processor clocked at 33 Mhz. (the chip is a -16, so obviously the processor is overclocked). You get a socket for an optional 33 Mhz 68882 PGA style, 8 mb of 32 bit ram, Version 3 Roms, a 2.5" IDE drive interface, with room to mount a 2.5 drive direct on the board, two 3.5" IDE interfaces, allowing for up to 4 IDE devices to be connected. (The 2.5 interface conflicts with one of the 3.5, so you can not use both at once.) The disks in the pack contain the V3.0 Workbench. Add to all this the flexibility to put a separate hard drive LED, a connector to attach the Power Minimegachip to give you 2Mb of chip ram, (This board not yet available here). Finally there is a link to allow you to use the 3.0 roms on the Viper, or the original rom on your A500 motherboard.

Installation is pretty simple for anyone with reasonable dexterity and common sense. There are only two plug in sections, you must remove one CIA chip, and the 68000 processor, then install the CIA into a socket and replace the socket into the motherboard. The Viper then plugs into the 68000 chip

RESURRECTING YOUR AMIGA 500 VIPER 520 CD REVIEW

socket, and here a little patience and care is needed, as the legs to the board are very long to provide clearance for the board.

I attached an old 40 Mb Seagate from my A1200 onto the board, and up it came straight away. The machine showed 8 Mb of fast ram, and booted up pretty smartly with no problems at all. Next step was to run some of the old standards in Sysinfo and AIBB to see what the old girl could really do. The results were pretty good, with the A500 now showing speeds faster than an A1200, and close to the A3000 25 Mhz. Adding an FPU gave more performance as you would expect.

The final test was to add an IDE CD ROM drive to one of the 3.5 interfaces, and run IDE Fix software and Cache CDFS software to the computer. (I did have to hook up a separate power supply to the CD ROM) Hey presto, I now had a working CD rom drive as well.

Maybe it's not the be all and end all of machines, but it now means that a A500 is a workable alternative, and can be used for a lot more than it was before, and is even worth keeping out of the cupboard.

The Viper520 was supplied by Vince at Computa Magic,
44 Pascoe Vale Rd. Moonee Ponds, Vic (03) 9326-0133

Viper 520 Performance

Sysinfo (Without FPU)

Dhrystones	5402	A500	10.21 Times
Mips	5.63	A1200	4.23 Times
Mflops	N/A	A3000	1.16 Times

Sysinfo (With FPU)

Dhrystones	5402	A500	10.21 Times
Mips	5.63	A1200	4.23 Times
Mflops	0.89	A3000	1.16 Times

AIBB (Without FPU)

Machine	Intger	Graphics	Fl.Point
A500	7.73	3.65	7.37
A1200	3.30	1.59	3.49
A3000	1.31	1.49	0.77

AIBB (with FPU)

Machine	Intger	Graphics	Fl.Point
A500	7.73	3.66	13.64
A1200	3.30	1.59	6.46
A3000	1.31	1.49	1.42

Technical Details VIPER 520 CD

- * Processor 68EC020 with 33 MHz
- * Kickstart ROM Vers. 3.0 on board with 160 ns access.
- * 3-x IDE port for 1 x 2.5 " internal and 2 x 3.5 " external
- * With 4 or 8 MB FAST RAM on board.
- * PGA socket for 68882 coprocessor (up to 33 MHz)
- * Space for one 2.5" harddisk on the card.
- * The Viper can be mounted directly under the shield.
- * Up to 10 x faster than standard AMIGA 500
- * Fully compatible to your A500 software.
- * Fully compatible to MINI MEG1 2 MB CHIP MEM adapter.
- * Made in Germany.
- * Viper 520Cd - Price \$340.00
- * FPU 68882-33Mhz -price \$45.00
- * IDEFix 97 software - price \$55.00 (registered version)

Byte One Computers

Phone (03) 9752 3991 Mobile 015 316 147 Fax (03) 9752 3959
 Email gordon@ozramp.net.au

PowerUP

BlizzPPC 160MHz/060/SCSI	\$1499
BlizzPPC 200MHz/060/SCSI	\$1699
BlizzPPC 240MHz/060/SCSI	\$1899
BlizzPPC with 040	\$ Call
CyberstormPPC 233/060/UW	\$ Call

Cyberstorm MkIII 060	\$1325
A1240 with FPU/MMU	\$ 395
SCSI Kit for above	\$ 179
Catweasel MkII Z2	\$ 249
Catweasel MkII A1200	\$ 179
Buddha Z2	\$ 145
External Scandoubler	\$ 199
External Flicker Fixer	\$ 275
Ariadne Ethernet	\$ 399
68882 FPU PGA	\$ 79
Blizzard SCSI IV Kit	\$ 219

NetConnect2 - Due Now

Order Now

CybervisionPPC & BVisionPPC
BlizzardPPC 2604 for A2000's
Call for Pricing

Software

Quake	\$ 105
Foundation	\$ Call
Genetic Species	\$ Call
TurboPrint 6	\$ 115
STFax Pro 3.2	\$ 115
Storm C V3.0 Pro	\$ 299
StormWIZARD	\$ 199
Storm C V3.0 PowerPC Module	\$ 299
Art Effect V2.5	\$ 299
Art Effect PowerUP Effects	\$ 75
Draw Studio	\$ 249

Dealer Enquiries Welcome

E&OE

AMIGA REPAIRS & UPGRADES

**Flat
 Rate
 \$42**

Pay no more than \$42 in labour charges on
 the repair or upgrade of your Amiga

MOTHERBOARD COMPUTERS

42 Manning Street, Kingswood NSW 2747
 Ph(02) 4736-8055 aag@acay.com.au

MVB Computers, in business for over 10 years.

Over 100 Amiga CD-ROMs available

Call us for a listing of Amiga CD-ROMs.

Internet

We stock software such as Termite TCP, iBrowse, Miami. Please call for pricing on these and Australian made modems.

NewTechniques (The Lightwave Mag.)

Currently in stock we have the April/May edition. This edition features a tutorial on building trees in Lightwave and networking your Amiga and PC. \$16.95

Amiga Forever v2

Now in stock is version two of this sought-after Amiga emulator for the PC. Check out our price, \$89.95. This emulator includes Workbench & Kickstart from version 1.2 to 3.0, and incorporates a Picasso graphics card emulation allowing high-resolution high-colour screens. Why pay more?

Public Domain Disks

We have a large range of public domain software available, including virus killers (1.3 and 2 B+), games, utilities, instructional material, fonts and clip art. Please contact us for a free listing. Individual disk are price at \$5.

Free-Freight

Every order we receive which totals \$100 or more will be sent to you at no extra charge. Why not take advantage of this today?

Our Full Pricelist & Specials

We have too many products to list in this advertisement, so please phone, fax or email us to request your copy of our complete Amiga pricelist. Ask about 2nd-hand items (as we're often trading-in second-hand Amigas and peripherals)

MVB Continues to Support the Amiga in1998.

MVB Computer Supplies Pty. Ltd.
 42 Manning Street, Kingswood NSW 2747
 Ph(02) 4736-8055 aag@acay.com.au

Getting Involved



We at AAG understand the important role Amiga User Groups play in keeping the Amiga alive. Below is a list of user groups we have contacted. If there are any groups we have missed (believe us, there are a few) please contact AAG so we can include them in this list.

New South Wales

Amiga Creative Enthusiasts

Location: Illawarra Yacht Club
Frequency: 4th Wednesday of the month
Contact: Brian Gale (Secretary)
Phone: 042 752 493
Mail: 16 Cowper St, Port Kembla 2505

Amiga Graphic Artists Special Interest Group

Unit 13, 63 Flora St, Kirrawee 2232
Frequency: 4th Sunday of the month
Time: 01:00pm
Membership: Free
Contact: Michael Williamson (President)
Phone: 02 9545 4572
Email: willie@ar.com.au
Mail: Unit 13, 63 Flora St, Kirrawee 2232

Commodore Hornsby User Group Inc.

Location: St Leo's College, Woolcott Ave, Wahroonge
Frequency: 4th Wednesday of the month
Time: 07:30pm
Membership: \$6 (Joining), \$24 (Annual)
Contact: Ian Sim (Secretary)
Phone: (02) 9456 3395
Email: i.sim@compassnet.com.au
PO Box 1578, Hornsby Northgate 2077

East Coast Amiga Inc.

Location: Niagra Park Public School Library
Frequency: 2nd and 4th Friday of the month
Time: 08:00pm (doors open at 07:30pm)
Contact: Tony Drieman (President)
Phone: 02 9985 9319
Mail: PO Box 344, Gosford, 2250

Muswellbrook Combined Computer Group

Location: Red Cross Hall
Frequency: 2nd Saturday of the month
Time: 07:30pm
Membership: \$5 (Joining), \$10 (Annual)
Contact: Wanye Millard (President)
Phone: 065 41 1024
Mail: PO Box 648, Muswellbrook, 2333

Mutual Amiga Computer Enthusiasts

Location: Beresfield Bowling Club
Frequency: 1st and 3rd Wednesday of the month
Time: 07:30pm
Membership: \$10 (Annual)
Contact: Ken Woodward (President)

Phone: 049 523 770 (ah), 049 675 266 (bh)
Mail: 59 Carnley Ave. New Lambton, 2305

Southern Sydney Commodore User Group

Location: Scout Hall, Connelly St, Penshurst (Behind the Penshurst RSL)
Frequency: Every 2nd Monday
Time: 08:00pm
Membership: \$20 (Annual)
Contact: Steve Perry (President)
Phone: 02 9528 6117
Mail: PO Box 217, Beverly Hills, 2209

Tuggerah Lakes Computer User Group Inc.

Location: Berkeley Vale Public School
Frequency: 1st and 3rd Thursday of the month
Time: 07:00pm
Membership: \$7 (Joining), \$18 (Annual)
Contact: Darrell Keirnan (President)
Phone: 043 32 1087
Fax: 043 32 1087
Mail: PO Box 659, Toukley 2263

Australian Capital Territory

Canberra Amiga User's Society (CAUSE)

Location: Woden Town Centre Library
Frequency: 2nd Thursday of the month
Time: 07:30pm
Contact: Alex Cameron (Secretary)
Phone: 06 286 2966
Home Page: www.spirit.com.au/~jamesm/CAUSE.html
PO Box 596, Canberra City, ACT, 2601

Victoria

Amiga Users Group of Victoria

Location: Moorabbin Arts Centre Complex, 979 Nepean Highway, Moorabbin (cnr of South Rd, near the station)
Frequency: 3rd Sunday of the month
Time: 02:00pm (doors open at 01:30pm)
Membership: \$30 (Annual)
Contact: James Gardiner
Phone: 03 9553 3828
Email: aug@gp.com.au
Home Page: <http://www.aug.org.au/>
Mail: PO Box 198, Moorabbin, Victoria 3169

Central Victoria Three Amigas

Location: Seymour
Frequency: Once a month on Fridays
Time: 03:30pm
Membership: Free
Contact: Randall Lasini
Phone: 03 5782 2635
Email: suicide@eck.net.au
Home Page: <http://www.eck.net.au/~auicide>

North West Amiga User Group

Location: Moonee Ponds Community Center
Frequency: 1st and 3rd Wednesday of the month
Time: 09:00pm
Membership: \$25 (Annual)
Contact: Gregory Thomas
Phone: 03 9337 8788
Email: gdt@minyos.hs.rmit.edu.au
Home Page: N/A





Synapse Computers

190 Riding Road
Hawthorne Qld 4171
Australia

Ph: (07) 3899-0980

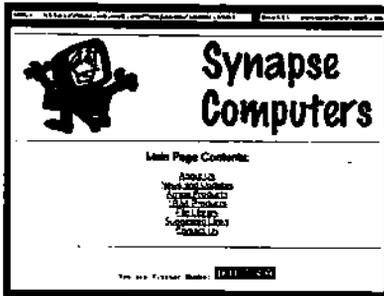
Web: <http://www.uq.net.au/~zzjason>

P.O. Box 41
Bulimba Qld 4171
Australia

Fax: (07) 3899-0980

Email: synapse@uq.net.au

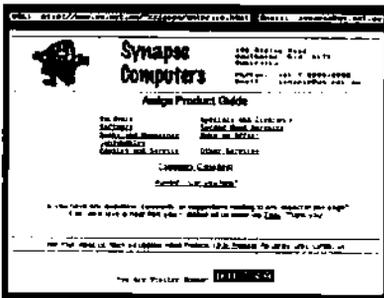
Having Trouble Finding Amiga Products?



Check Out Our Internet Site!

You'll find lists of the products we carry (hardware, software, accessories, plus more!) as well as details of repairs, upgrades, and various other services we offer. Also online are listings of second hand bargains and various other discounted clearance items.

An increasingly popular facility is our online "Customers' Classifieds" section (this lists private goods our customers are selling), and also our "Wanted" area (we use this section to help us find the products you're looking for). We're delighted to currently offer both of these great services **FREE** of charge!



Now you can 'stop by' and see what's new at *Synapse Computers* whenever it suits you, whether you're in the next suburb or on the other side of the planet! No longer is there any need to worry about the time of day, or the call costs.

In case you don't already have internet access, please let us know and we'd be happy to add you to our mailing list and keep you updated through post with periodical mail-outs. (By the way, we can assist you in getting your Amiga connected to the internet - If you're curious, please ask us for more details!)

<http://www.uq.net.au/~zzjason>

Queensland

Rockhampton Amiga User's Group

Location: Crescent Lagoon School
Frequency: 1st Saturday of the month
Time: 01:30pm

Membership: \$20 (Annual)
Contact: Robyn Plahn
Phone: 079 260 043

Email: laceplahn@harveynorman.com.au
Mail: PO Box 648, Muswellbrook, 2333

Bundaberg Commodore & Amiga Computer User Group

Location: 14 Miles St, Bundaberg 4670
Frequency: 1st Sunday of the month
Time: 12:30pm to 04:30pm

Membership: \$24 (Annual), \$1 (Attendance)
Contact: Mr R Attwood
Phone: 071 529 215

Email: bdalton@130.aone.com.au
Mail: 14 Miles St, Bundaberg 4670

Western Australia

Albany Amiga User Group

Location: Albany Vancouver Art Center
Frequency: fortnightly on Mondays
Time: 6.45pm to 10.15pm

Membership: \$30 (Annual) or \$3 per night, free first visit

Contact: David

Phone: 08 98412429

Email: joey@albanyis.com.au

Home Page: www.albanyis.com.au/~joey/amiga.html

Mail: 60 Leonora St Albany 6330

Amiga User's Group of Western Australia

Location: SCurtin University
Frequency: Every Friday
Time: 07:30pm to 09:45pm

Membership: \$20 to \$50 (Annual, varying for students and families)

Contact: Bill Sharpe-Smith (President)

Phone: 09 8362 3539

Fax: 09 8279 2778

Email: amhar@crystal.com.au

Mail: PO Box 595, Cloverdale, WA 6105

Tasmania

Tasmanian Commodore User's Association

Location: 4 Cordelia Court, Rosetta 7011
Frequency: 3rd Wednesday of the month
Time: 07:30pm

Membership: \$25 (Full/family membership, discounts for students and pensioners)

Contact: David Roberts

Phone: 03 6273 0877

Email: fillisch@netspace.net.au (Eric Fillisch)

Mail: PO Box 673, Hobart GPO 7001

THE AMIGA DIMENSION

'The Latest, For The Greatest'
Mail Order Software and Hardware

Now Available

MYST, Foundation, OnEscapee
Uropa 2, Final Odyssey
Acid Mouse \$29.95

Coming soon
Quake !!

Call or write for Free Catalogue.

The Amiga Dimension
44 Stradbroke Street
Biggers Waters QLD 4216
Ph (07) 55288125 Fax (07) 55376626



Hinterlands Consultancy I.T.

Professional Service and Advice

Phase 5 PPC Accelerators
Tower Conversions
Internet Connections
Siamese Systems
Custom Built Amiga Systems
Repairs and Troubleshooting
Hardware Upgrades
Amiga Software

We will come to you in the greater Sydney area
9am - 9pm, 7 days.

sam@hinterlands.com.au Ph. 02 9653 2837
www.hinterlands.com.au Fax 02 9653 2937

TECHMedia **Amiga Digital Video Experts** Ph. (02) 9526 7889 Fax. (02) 9526 7881

Unit 32, 65 Captain Cook Drive, Caringbah, NSW, 2229



call to arrange a demo

Imagine a world of video editing with full digital specifications, variable compression, and powerful editing software designed for video professionals. Imagine an affordable nonlinear editor you can own yourself without asking your bank's permission. Imagine D1 quality, 50-field video, CCIR 601 resolution, and unsurpassed video at 3:1 compression. DraCo's vision of affordable editing is here today, and it's real. The DraCo Vision Workstation is an Amiga based turnkey digital video nonlinear Finishing system built specifically for nonlinear editing. It's low priced, powerful, and doesn't pretend to be anything it's not. Run your existing Amiga software under the DraCo's CyberGFX and AmigaOS 3.1 implementation. It's all here in one system, tomorrow's thinking today's reality.

DV SCORE CARD	FEATURES
Features
Performance
Setup
Cost of Use
Customer Support
Value Support
Overall

Call to arrange an appointment for a hands-on demonstration.

casablanca



Casablanca is a complete digital non-linear video editing system that delivers the power, functionality, and capability of a high-end professional nonlinear system at a fraction of the cost. Casablanca provides the data rate and picture quality required for MiniDV and Beta SP video, and can also be used with S-VHS, Hi-8, or VHS equipment.

- Easy to use
- Full A/B Roll edits
- 3D Transitions/FX
- Frame accuracy
- Multiple Audio tracks
- Full titler built in
- Full Mini-DV quality
- Optional FireWire
- Full system from \$5299



ArtEffect 2.0

Powerful image processing and Natural Paint Program.

AE PowerUP[®]-Effects

Special Effects take full advantage of Phase5 PowerUP[®]-Boards.

AE SuperView

43 Loaders and Savers for ArtEffect

POWERUP[®] AMIGA™ GOES POWERPC™

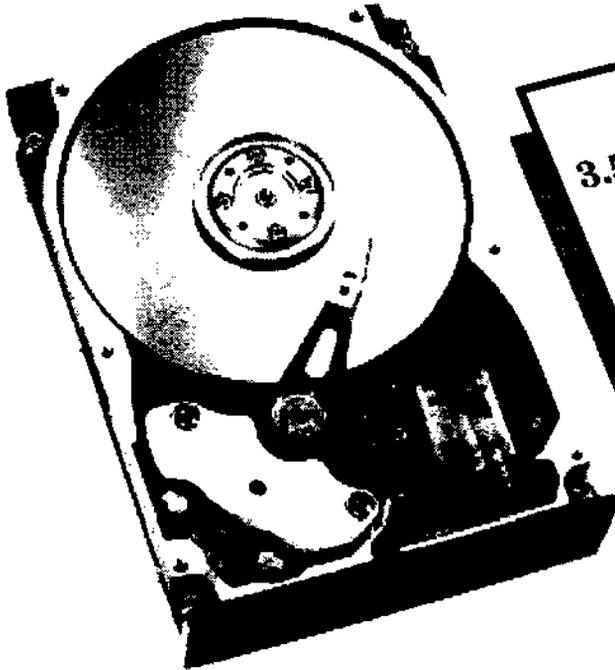
DrawStudio 2.0

Advanced Structured Drawing and Design Program.

Tornado 3D

HOT! New 3D animation Program.

MOTHERBOARD COMPUTERS



Seagate
3.5" IDE Hard Drives

2.0 Gig	\$265
2.5 Gig	\$285
3.2 Gig	\$320
4.2 Gig	\$360
6.4 Gig	\$440

Quantum
3.5" SCSI Hard Drives

4.3 Gig	\$595
---------	-------

from
7¢
per
MEG



HP ScanJet 5100C

Power-boost Your Productivity !

The HP ScanJet 5100C color scanner has the power to make home and office productivity skyrocket. Plus, breakthrough HP technologies act as a built-in expert for great results the first time—and every time—you scan.

Even if you've never used a scanner, the HP ScanJet 5100C delivers the high-quality results you expect from HP's Intelligent Scanning Technology and at two to three times faster than other scanners.

The HP ScanJet 5100C scanner offers simplicity without sacrificing quality. You get smooth edges on black-and-white line art and drawings—no more jaggies. When you scan photographs, all the true colors and subtle shades are captured automatically. Color line art is automatically enhanced for crisp, smooth, continuous color. Your scans will look as good as the original.

The HP ScanJet 5100C scanner provides a fast, effective solution to creating, storing and sharing information. Scan anything from a business card to a magazine article and edit, store, e-mail or e-fax it. Use the HP ScanJet 5100Cxi scanner with your color printer to make copies right at your desk.

Setting up your HP ScanJet 5100C scanner is almost as easy as using it. If you can install a printer, you can install this scanner. Follow the simple setup instructions—connect a cable to your computer and plug it in.

Price \$520

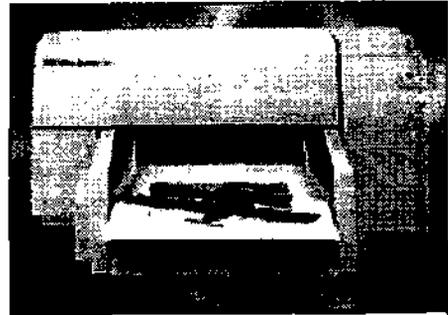
MotherBoard Computers
42 Manning Street Kingswood, NSW 2747 (02) 4736-8055
Open Saturdays 9.00am - 2.00pm

MOTHERBOARD COMPUTERS

MEMORY

1Mb, 30pin Simm	\$15
4Mb, 30pin Simm	\$35
4Mb, 72pin Simm	\$40
8Mb, 72pin Simm	\$50
16Mb, 72pin Simm	\$80
32Mb, 72pin Simm	\$140

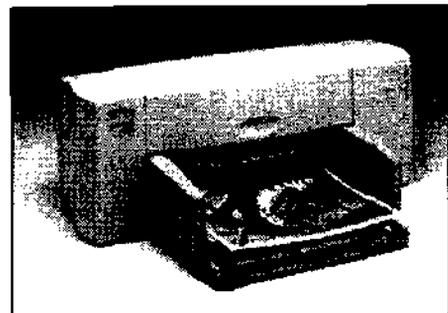
MEMORY



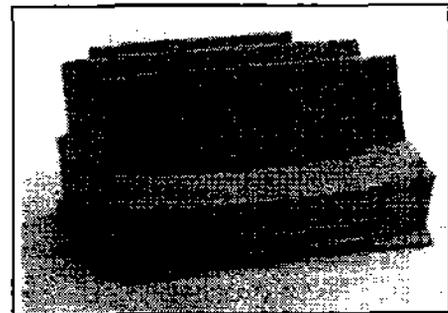
HP 670C \$299



HP 692C \$439



HP 720C \$640



HP LaserJet 6L \$679

WebExcel external 56Kflex



Fax
Voice
Modem
\$149

MotherBoard Computers
42 Manning Street Kingswood, NSW 2747 (02) 4736-8055
Open Saturdays 9.00am - 2.00pm



Jeff Schindler tries to calm the masses



Jeff Schindler General Manager of Amiga Inc. took time out from his busy schedule to clarify Amiga Inc.'s future direction and answer some of the questions that have arose from the "World of Amiga" show held recently in London.

Are you abandoning the Amiga?

No, we are focusing our efforts on the development of the next generation architecture and operating system. We are working with third parties to create an open architecture necessary to bring the Amiga back for the future.

Isn't the new Amiga really just a PC with Amiga slapped into it?

While it is true that the next generation of Amiga will use the x.86 platform as a development system, this is meant to be used as a bridge to take the Amiga to version 5.0. Amiga 5.0 is a brand new Amiga, using the most evolutionary and revolutionary technology of software and hardware architectures.

Why didn't you choose PowerPC for the next generation Amiga platform?

The Motorola roadmap does not match our vision for the future that we have targeted for the Amiga. The Amiga Classic line will continue to support PPC as an accelerator the current systems.

So do I just throw away all of my Amiga applications and start over?

No. The Amiga 4.0 will support most of your existing applications through software emulation. We are working with another third party hardware vendor to develop a hardware add-on (Amiga Classic Card) that will make the bridge system backwards compatible.

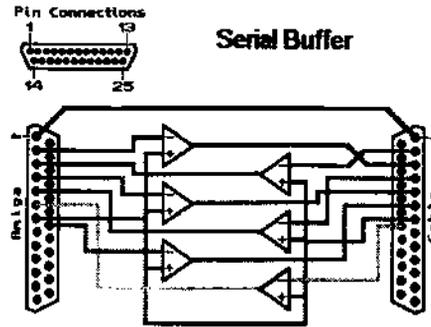
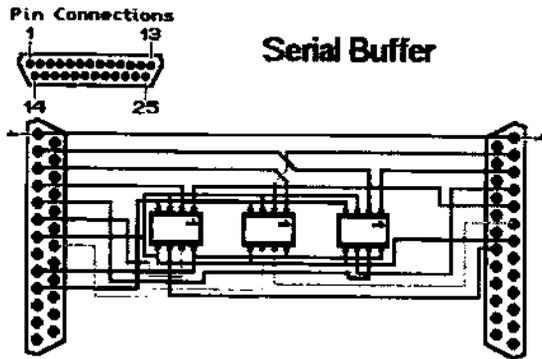
Are you really abandoning the Amiga OS and licensing another OS?

We are NOT abandoning the Amiga OS. We are investigating the option of leveraging a state of the art kernel of another OS to speed the development process and decrease our time to market the next generations of the Amiga OS.

Summary

We are focusing our energy on bringing the Amiga technology and the community into the 21st century, ahead of the pack. We will target our efforts on the operating system and an open architecture necessary to truly be a leader in the multimedia, digital convergence marketplace.

How to make a serial buffer



The buffer as described here is suitable for use with a standard null modem cable. You can either use it with one or both computers. Alternatively, you may wish to use a single buffer in the middle of your cable, or for very long runs, you may wish to use several buffers along the length of your cable. This is easily accomplished by building several buffer circuits and using suitable connectors to join them. However, this is beyond the scope of this project, and you will have to design this by yourself.

Parts needed (for 1 buffer)

- 1x DB25 Female
- 1x DB25 Male
- 1x DB25 cover
- 3x LM393 voltage comparator ICs
- 3x 8 pin DIL sockets
- 8 way cable.
- A scrap of veroboard.
- A suitable box.

(1) This is assuming you are using a standard null modem cable. If you are not, then you will need a connector that matches the sort used. Also, you will need to know what connections are made within that cable.

(2) You may wish to make both leads flying, in which case you will need 2 covers.

(3) You may wish to use 2xMC3302 or 1xMC3302 and 1xLM393 ICs instead. In this case, you will need to know the pin connections of these chips, and have the ability to modify the circuit given.

(4) The serial port on the A1200 can only supply 20mA of current, and the A1000 has no -12V connection at all on the serial port, so you may need to derive power from the video port. Other Amigas should be able to supply enough power via the serial port, A1200s with an uprated PSU should also be fine. If you are already using your video port, and deriving power from the serial port proves insufficient, then you will need to make an alternative power supply. This is beyond the scope of this article, however.

Construction.

The circuit diagram is shown in the pictures above. I recommend that the male DB25 connector is fixed to the side of the box, whilst the female one is connected to a flying lead to enable easier connection to the computer. Please note that it is very important that the power supply pins are **ONLY** connected to the power inputs of the comparators, and that **NO POWER RAILS ARE**

LINKED. You **MUST NOT** join the power rails from two different sources (i.e. two different computers) and it is inadvisable to connect power rails from different ports together either. It is also important that the outputs of the comparators are only connected to those pins that are inputs, and the output pins on the computers are only connected to the comparator inputs. If the external power option is needed, then I advise that you connect a flying lead for the connector. You **MUST ONLY** connect power from one source however. If you use a power source other than the serial port, you need to connect the system earth (pin 7) to the earth of your supply, but you **MUST NOT** connect the power pins.

Final note.

When you have finished making your buffer, connect it to your amiga, and connect the null modem cable to the buffer. **MAKE SURE THE AMIGA IS SWITCHED OFF WHEN YOU ARE PLUGGING IT IN!** If, when you turn your amiga on the display is not as it should be, **POWER OFF AT ONCE!** Check the circuit for shorts between rails and broken tracks.

AMIGA *Genius*

330MB SCSI HD - A real bargain	-\$110
CyberSCSI card for CyberStorm acc*	-\$100
Neriki Genlock Model GL1189	-\$500
A600 KS3.1 ROM kit including disk's*	-\$130
A600 1MB RAM expansion	-\$ 60
A500/A1200 power supplies	-\$ 50
A500 2MB RAM card (Goes in side slot)	-\$ 50
A590 HD, 52MB HD and 2MB RAM	-\$175
A2091 SCSI card - No HD, No RAM	-\$100
A2091 SCSI card, 52MB HD, 2MB RAM	-\$150
GVP IOExtender	-\$125
Monitor's (1084, 1084s, Phillips, etc) From	-\$120
External floppy drives	-\$ 60
CDTV	-\$100
Konix 'Speed King' Analogue Joystick	-\$ 30
A500/A2000 IDE controller	-\$100
Static Column ZIP RAM for A3000 - Per MB	-\$ 35

Buy any 2 item's and get a 10% discount
Buy any 5 item's and get a 20% discount

*= 6 month warranty, 3 month warranty on all others

826 Hunter St. Newcastle West, NSW, 2302
Phone: (02) 4962-3222 Fax: (02) 4962-2954
E-Mail: cdgtb@hunterlink.net.au

Computer Kingdom Pty Ltd

Phone/Fax: (03) 9813 1630 (Julian or Peggie)
Net: www.alphalink.com.au/~zhulien/CK.htm

Siamese System 2.5 RTG	\$229
NEW Siamese System 2.1 RTG	\$99
Amiga Hydrasystems Ethernet (pccmcia/20002)	\$379

Siamese System 2.5 RTG/Network Card bundle \$599

Scandoubler/TV Tuner (600/1200)	\$299
NEC Multisync 3D monitor	\$200
iCard PCMCIA Ethernet Adapter	\$199
External 880KB Floppy Drive	\$59
Epson LX400 Printer	\$29
A500 512KB RAM Expansion	\$19
A500 PSU	\$39
External 2x SCSI CDROM Drive	\$99
External 1x SCSI CDROM Drive	\$79
Emplant 1200 Mac Emulator	\$89
Digibooster Pro (best music program)	coming
P-OS Pre Release	\$49
Aimathera 10 on 10 (10 CD Pack)	\$59
Crossdos 6 Pro	\$49
Main Actor Pro	\$49
32MB 72 pin SIMM RAM	\$89

Plus Disk Expander, AMOS, Super Stardust, Meeting Pearls 2, 17bit Continuation, Hawaiian Fantasy Bodies, Aminet 6,7,9, Hard Drives, CDROM Drives, PCs etc...

Ami-X-Words April Solution

Ami-X-Words April Solution



SWITCHGEAR MIDI BOX

PROJECT
BY RICHARD HOAR

All About Midi

Midi is a simple interface that allows your computer, in this case an Amiga, to talk to a keyboard. MIDI utilizes dangerous switching voltages which are hard for a computer to handle. The swing between on and off is -12 to 12VDC. This was most likely implemented since older computers had to worry more about interpretation and interference from radio sources. Midi, as it stands, is a fairly crude, one-way communication line with individual inputs and outputs. Because it doesn't follow single line bidirectional protocols a certain interface must be used to help more modern computers to use the technology. With this simple box you can use midi for around \$20 (including cabling).

I have included VERY clear schematics and a nice foil pattern should you want to make yourself a printed circuit board.

Constructing the PCB

Now this is a very simple circuit to make. If you feel like printing a PCB read this section for complete details. The next page has 3 separate images a component side of the board, a foil side of the board, and a building diagram.

<u>Parts List</u>	
D1, D2	- 1N4148 Signal Diode
R1, R4	- 220 ohm Resistors
R2	- 4.7 K Resistor
R3	- 10 K Resistor (all resistors 1/4 watt @ 5% tolerance)
R5	- 1.2 K resistor
Q1	- NTE123A Low Loss VHF NPN Transistor
U1	- NTE3041 NPN optoisolator
2	- Midi Jacks (Din-5 Female) for the I/O to the Keyboard
1	- DB-25 Serial connector (DB-25 Female all pins connected)
2	- MIDI patch cables
I used a 55 x 84 mm Enclosure for the PCB and connectors (its a tight fit but it's beautiful)	

These are all accurate and work. If you are printing a PCB, copy the "foil side" diagram to a piece of photocopier-safe transparency and follow the normal etching process. Once your PCB is etched and drilled begin to solder the components to the board (I find starting with diodes is best; then resistors next and sensitive components such as transistors and IC's last.) You will notice a discrepancy, there is no trace on the PCB for the connection of pins 4 and 5 of the DB25 connector. The reason for this is I just bridged the two pins at the DB-25 connector instead of bringing wires down to the PCB. All the connectors are numbered accordingly to the diagram so connection of the connectors is a snap. Now you are ready to mount the PCB in an enclosure.

The Enclosure

To design a nice enclosure I recommend getting a nice, prefabricated, square plastic box with a lid. the measurements as mentioned before are 55 mm by 84 mm. For my project I used a Radio Shack experimenter box. All you need to do is drill a couple of holes into one end and make a rectangular cut in the cabinet to mount the connectors. The BOTTOM of the DB-25 connector should be 6mm off of the table in order to align with the amigas serial port. Drill pilot holes for the screws and use self-tapping screws for the appropriate size of your particular connectors around a 4/40 screw should suffice. once the circuit is securely in place





SWITCHGEAR MIDIBOX

CONTINUED

connect your midi patch cables and power up your miggly :) Enjoy.

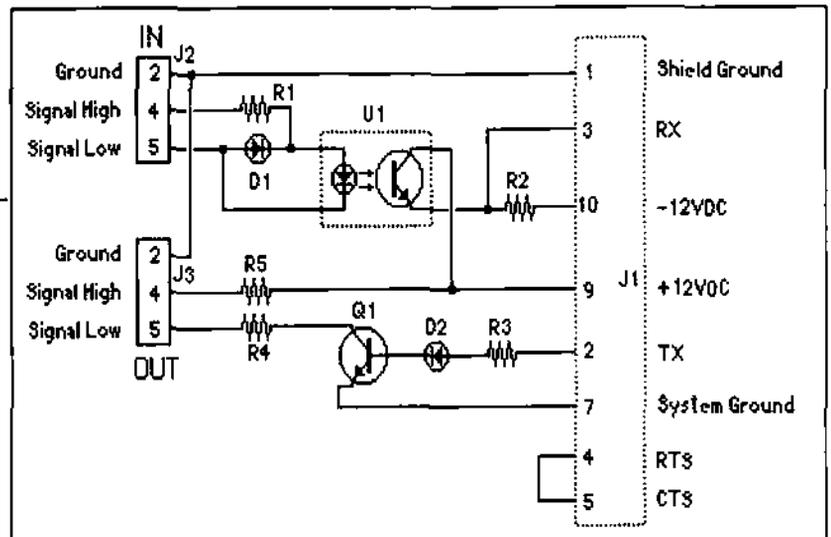
AMiGA MiDi BoX

Schematics By Blu3Dawg'97

Testing

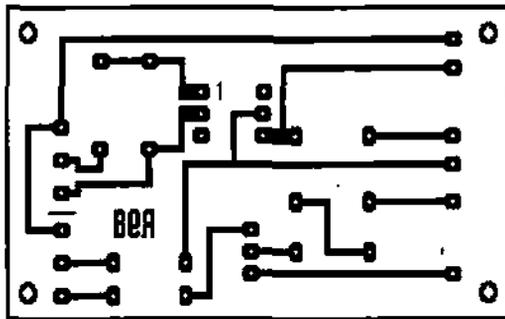
This circuit has been tested on an Amiga 1200 and an Amiga 500. I assume it will work on all standard amigas.

Should you feel a burning desire to contact me, if you have problems or if you would like to send me money you can reach me at E-Mail: wi511@victoria.tc.ca

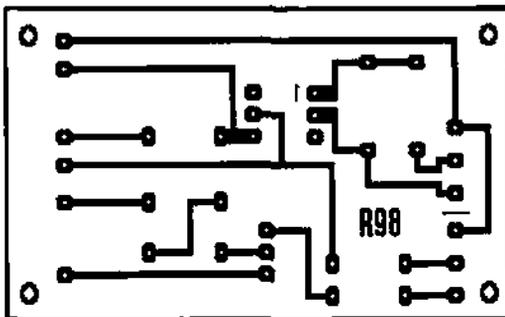


Designs By BlueDawg'98

PCB Lay-out



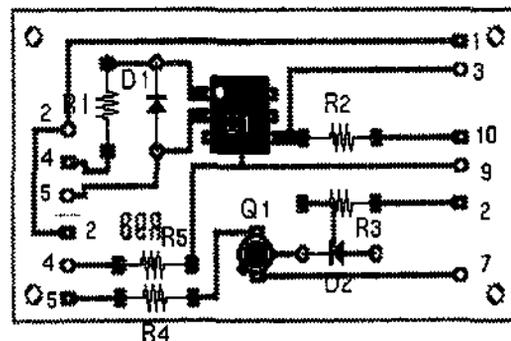
component side



foil side

MIDI Jacks

Serial Port



building diagram

Best of All...AMIGA 's superb operating System , Does NOT Require Windows ® !!

A1200* *Magic Pack* 9 Great Software Titles

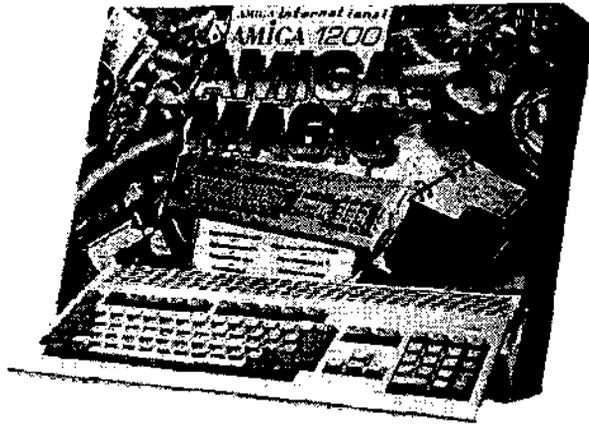
The A1200 comes with
Digita Datastore V1.1
Digita Print Manager 1.2
Personal Paint V6.4
Whizz & Pinball Mania
Wordworth V4SE Word Pro
Digita Organiser V1.1
TurboCalc V3.6 Spreadsheet
Photogenics V1.
SCALA MM for TV & Video work
and we also add on extra useful utilities

Including Sales Tax * **\$850**

Full 12 months Australian warranty IN Stock Now!

*Based on readership interest , our advert size will be adjusted accordingly to suit the current AMIGA market *

AMIGA DDS 3.1 running the very latest operating system ... **Workbench 3.1!** 170 MB IDE 2 1/2" H/Drive



Congratulations to the LUCKY WINNER of Last Months "MAVERICK -GIVE AWAY " the Canon BJC210 was presented to Mr Foreacre of Tahmoor , N.S.W . The winning entry coupon was drawn by Senior Inspector Chalker , OIC of Liverpool District Police Service , thank you to all 16 entrants •

UNITECH ELECTRONICS Pty.Ltd.

Showroom & Service 8B Tummul Place , ST. ANDREWS . Sydney. N.S.W. 2566
Established July 14th 1978 almost 20 years A.C.N 003 864 042

Sales - In-house - Servicing & Repairs - Upgrades - Sales

FAX (02) 9603 8685 Email: unitech@ideal.net.au ☎ (02) 9820 3555 ☎

Serving The Commodore & AMIGA* Community How long ? Since 1983 / *1985



Accelerator Guide for Beginners

By Peter Hutchison

1. Amigas and Processors

2. List of Accelerators

3. Processor Differences

Amigas and Processors

The Amiga at the present uses the Motorola 68000 CISC (Complex Instruction Set Chip) series at the heart of the system. The Amiga Operating System (AmigaOS, Workbench or AmigaDOS) requires this processor as all the programs and OS routines are compiled for that particular chip.

The Amiga has a number of models and each has its own processor, as time has progressed since the A1000, newer models featured faster processors:

Model	Chip Set	OS	Processor	MHz
A1000	OCS	1.x	68000	7
A2000	OCS	1.x	68000	7
A1500	OCS	1.x	68000	7
A500	OCS	1.x	68000	7
A500+	ECS	2.x	68000	7
A3000	ECS	2.x	68030	16/25
A3000T	ECS	2.x	68030	16/25
A600	ECS	2.x	68000	7
A4000/040	AGA	3.x	68040	25
A4000/030	AGA	3.x	680EC30	25
A1200	AGA	3.x	680EC20	14
CD^32	AGA	3.x	680EC20	14
A4000T/040	AGA	3.x	68040	25
A4000T/060	AGA	3.x	68060	50
BoXeR	AGA	3.x	68040/060	25/40/50
DCE A5000	AGA	3.x	68030-060	50?

The newer Chip Sets required a faster processor as more colours need to be processed and more data moved around so Commodore selected a 32-bit processor for that task ie the 68020 and above. Commodore also used EC (Economy) versions of some processors which have some features missing, usually no MMU and smaller addressing space.

The faster processor the Amiga can have is the 68060 which is at least 40 times faster than the original 68000.

Although the clock speed hasn't increased that much, the speed has been increased through the use of 32 bit architecture rather than 16 bit, the use of larger and faster caches, inclusion of FPU (Floating Point Units) and MMU (Memory Management Units) onto the chip itself and better memory and instruction processing.

For the Amiga to improve a new processor is to be used. For example, when Motorola finished developing the 68000 range, they designed the PowerPC processor. The PowerPC is a RISC or Reduced Instruction Set Chip which means that it has fewer complex instructions than CISC chips, it has more registers and it can do those instructions much much faster at higher and higher speeds.

For the Amiga to use such a processor requires two things:

1. Programs to be written and compiled for that processor.
2. The Operating System has to support and even rewritten in PowerPC code to make full use of the PowerPC chip.

There are three operating systems in use that are written for the PowerPC and they are:

MacOS (System 7, 8)

Windows NT 3.x (now discontinued)

BeOS

We have yet to see a version of AmigaOS for the PowerPC. Haage & Partner are developing pOS for the Amiga and that may appear for the PowerPC.

List of Accelerators

For the Amiga to grow and expand, some Amiga companies have produced Accelerator cards which replace your old processor with a faster version.

Currently, the AGA machines and the A600 have the best support for accelerators. Accelerators for the older OCS/ECS Amigas are no longer being produced as they are less common and not considered worth while supporting.

There are currently five major makes of Accelerators:
Blizzard & Cyberstorm by Phase 5
Apollo, Magnum, Viper

There are some other makes but they are less common these days and unlikely to be sold anymore. This is NOT a complete list as some older cards may been left out.

A500 Accelerators

ICD ADSpeed

68020 14MHz Accelerator.

Viper 520CD

Has a 33MHz 68020 EC processor with room for 33MHz FPU, space for a 2.5" IDE hard disk, 2 x 40 pin CD ROM socket and 8MB of RAM on board.

Includes 3.0 ROM and software.

Solid State Leisure A5000

Includes a 16.67 68020 processor which uses 256x4 DRAMs (total of 4 1MB chips ie 5MB). Doesn't autoconfig or use DMA.

Supra 28 Turbo

Uses a 28MHz 68HC000 processor with high speed static RAM cache. Fits on the side expansion slot.

Also, compatible with A2000.

GVP A530

Includes a 40MHz 68EC030 processor with room for FPU and uses GVP SIMMS. Includes a on/off switch with turns off the 030/RAM and HD for backward compatibility. Up to 16/32 MB RAM.

Derringer 030

Uses a 25MHZ 68030 processor with optional 25/50MHz FPU and upto 32MB of RAM using one 32 bit SIMM.

Progressive Peripherals A500/040

This includes a 25Mhz 68040 processor with 4 or 8 MB 32-bit ZIP Fast RAM.

Requires KS/WB 2.0 to work.

A600 Accelerators

Viper 630

Has a 33Mhz 68030 processor and FPU. One SIMM slot for upto 32MB of RAM.

A1200 accelerators

Blizzard 1204 or 1220/4

Has a 28MHz 68020 processor with optional FPU and upto 8MB RAM.

M-Tec T1230/28 RTC

Has a 28MHz 68020 processor with 1 SIMM Slot, optional FPU and SCSI-II card.

Viper 620

68020 14Mhz accelerator fitted over the 68000, allows for 4MB SIMM RAM.

Apollo 68030

Has a 25, 33 or 50MHz 68030 processor and room for a FPU. One SIMM slot for upto 64MB of Memory.

Blizzard 1230-II

Has a 68030 40 or 50MHz processor, optional FPU, upto 64MB RAM in 2 SIMM slots and optional SCSI-II card.

Blizzard 1230-IV

Has a 50MHz 68030 processor and room for a FPU. One SIMM slot for upto 128MB of Memory. Inbuilt MMU. Optional SCSI II card with 2nd SIMM slot.

CSA 12-Gauge

Includes a 68030 50MHz processor with max of 32MB of RAM. Optional non-DMA SCSI card.



Accelerator Guide for Beginners

Continued

GVP 1230-II

Uses a 40/50MHz 68030 with 2 SIMM slots for GVP RAM only, 32MB RAM. Optional SCSI card.

Magnum 68030

Has a 40MHz 68030 processor and room for FPU. Upto 32MB of RAM can be added and there is an optional SCSI II card.

Microbiotics MBX1230

Has a 33MHz 68030 processor with one SIMM slot for upto 128MB RAM, optional SCSI card. (Not autoconfiguring)

Paravision MBX

Uses a 28/33/50MHz 68030 with one SIMM slot for upto 32MB RAM. SCSI option. (Not autoconfiguring)

Viper MkII

Has a 40MHz 68030 EC processor and room for a FPU. One or two SIMM slots for upto 64MB of Memory. No MMU.

Apollo 68040

Has a 25 or 40MHz 68040 processor. One SIMM slot for upto 32MB RAM. Optional 2nd SIMM (32MB) and SCSI II card.

Blizzard 1240/TERC

Has a 68040 but due to heat problems it was designed for Towered A1200s.

DKB 1240 Cobra

Has a 40MHz 68040 with one SIMM slot for upto 128MB RAM. Optional SCSI-II card.

Magnum 68040

Has a 25 or 40MHz 68040 processor. Upto 32MB of RAM and optional SCSI II card.

Apollo 1260

Uses a 50/66MHz 68060.

Blizzard 1260

Uses a 50MHz 68060. Includes SCSI interface

Magnum 68060.

Has a 50/66MHz 68060. Upto 32MB of RAM. Optional SCSI-II interface.

A1200 Accelerators (PowerPC)

All of these are dual-processor boards and come with 68040 or 68060 to run the OS functions.

Blizzard 603e PPC

Includes PowerPC 603e at 160/200/240MHz. No SCSI. Upto 128MB of RAM with two SIMM slots. The plus (+) version includes SCSI interface.

A2000/1500 Accelerators

2030 Turbo

Has a 25 or 50MHz 68030 with optional SCSI card.

Derringer 030

Uses a 25MHz 68030 processor with optional 25/50MHz FPU and upto 32MB of RAM using one 32 bit SIMM (Compatible with A1000).

Fusion Forty

Includes a 40MHz 68040 processor with 2 SIMM Sockets for upto 4 SIMMS each allowing upto 128MB of RAM. RAM doesn't autoconfigure.

DKB Wildfire

Uses a 50MHz 68060 and includes SCSI, PCI bus, Ethernet and RAM Slots.

Accelerators for A3000

NB: Some A4000 accelerator cards can be used in the A3000!

GVP G-Force

Uses a 28MHz 68040 with upto 8MB of RAM using GVP SIMMS. Requires 2.04 ROM and Setpatch 38.31 or higher.

PPI Mercury 68040

Uses a 28 or 35MHz 68040 processor with upto 32MB of RAM. Requires 2.04 ROM.

Accelerator Guide for Beginners

continued

WarpEngine 3040

Uses a 40MHz 68040 processor with SCSI-II controller and RAM expansion upto 64MB RAM.

Warp Engine

Has a 28,33 or 40Mhz 68040 processor. Has 4 SIMM slots for upto 128MB of memory. Includes fast SCSI II host adaptor. Will fit in a A3000T

Zeus 68040

Includes a 68040 processor with SCSI-II controller using upto 64MB of RAM. Runs at 28 or 33MHz. Can use 1x8 or 4x8 SIMMS in groups of four.

Cyberstorm II/III

Uses a 50MHz 68060 with 4 SIMM slots for upto 128MB of RAM. Includes SCSI.

GVP T-Rexx 060

68060 Accelerator

A4000

Accelerators (PowerPC)

All of these are dual-processor boards and come with 68040 or 68060 to run the OS functions.

Cyberstorm PPC

Includes PowerPC 604e at 180/200MHz with Ultra Wide SCSI-III interface.

68020

New 32-bit wide processor running at 14MHz. Has 256 bytes instruction Caches to speed up instruction flow. Allows a co-processor such as the 68881 or 68882 FPU units. MMU also comes on a seperate chip. The 68EC020 in the A1200 is a 24bit (rather than the full 32bit) addressing range.

68030

32-bit processor running from 16 to 50MHz. Has Data and Instruction caches and includes Burst mode (reads consecutive bytes very fast). 68030 can use 68881/68882 FPU co-processors. Includes MMU on some versions esp. the 33, 50MHz, the EC versions do not have a MMU.

68040

32-bit processor with in built FPU and MMU for maximum speed efficiency. Includes two 4K caches for even faster speeds. Clocks at either 25 or 40Mhz. Includes Copyback mode which allows cache memory to be written back to main memory (causes problems with self-modifying code). NB: There is a LC version with no built in FPU unit (mainly occurs on Macs). The FPU has fewer instructions than the 68882 chip and the missing instructions have to be emulated in software.

68060

Similar to 68040 with built in FPU and MMU but has two 8k Caches. Clocks at either 50 or 66Mhz. Last in the 68000 series. Unlike the 68040 which can get very hot, the 68060 uses 3.3V and runs much cooler. Has to emulate some of the 'missing' 64 bit instructions that were present in earlier processors.

PPC 603/604

RISC based processor with speeds of 60MHz to 300MHz+. Some can access Gigabytes of memory. Not compatible with 680x0 at instruction level but with the correct software can emulate the 680x0 at 040 speeds.



Notes on Differences

68000

16-bit processor (bus is 16 bit, registers are 32bit internally), can address up 9MB RAM. Runs at 7Mhz.

68010

Faster version of 68000 at 14Mhz. Very few differences between it and the 68000.

Please send me by post 12 issues (one per month) of

Australian Amiga Gazette

I enclose \$51.00 as full payment postage included.

That Amiga has a
multi-tasking OS



Subscription Form

(Mail, Phone, Email)

First name _____ Surname _____

Address _____ Phone No. _____

Suburb _____ State _____ Post Code _____

Money order Cheque Bank Card Visa Card Master Card

Card No

Expiry Date / Signature _____

42 Manning St. Kingswood NSW 2747
Ph: (02) 4736-8055

Please make cheques or money orders
payable to "Australian Amiga Gazette"

THE PUBLIC DOMAIN

BY DANIEL

THE BEST OF PUBLIC DOMAIN IS DEDICATED TO PROMOTING EXCEPTIONAL PUBLIC DOMAIN AND SHAREWARE PROGRAMS.

EACH MONTH WE WILL PRESENT A VARIETY OF PROGRAMS, UTILITIES AND ADD-ONS COVERING A WIDE RANGE OF APPLICATIONS.

EACH PROGRAM SELECTED IS THE BEST IN ITS AREA AND ENHANCES AMIGAS EXCELLENT WORKBENCH.

TextEngine V5.0

Copyright © Nicholas Harvey 1991-95

TextEngine5.0 is a Public Domain raw text word processor designed with simplicity and speed in mind, while still boasting a number of powerful and handy features that you would normally only expect to get with a larger commercial word processor.

The program is small in size, which makes it ideal for editing text files and using it with programs such as YAM to do your email. It may also be useful as an interface editor to your favourite language compilers that either do not have their own interface or are not very usable.

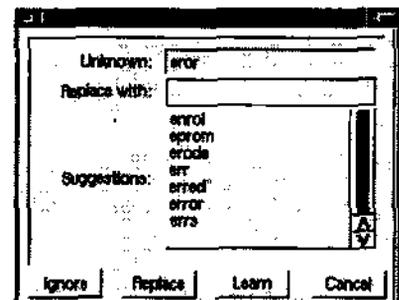
The GUI design of TextEngine is sleek, modern and functional which allows for quick and easy movement throughout your

document. The menus are well set out, and the overall feeling of TextEngine is that there is lots of space. TextEngine is font sensitive and because it works on your Workbench screen it adapts itself to your Workbench settings, thus eliminating the need to set up the user interface.

The feature list of TextEngine is impressive. The length of your document is only limited by the amount of memory that you have. To extend on the editing abilities of TextEngine it retains the essential cut, copy and paste features. There is a good find and replace feature, and a word count option so that you can tell exactly how long your document is. The program also supports the Appwindow feature of Workbench which means that

you can load a file simply by dragging the icon of the file onto the TextEngine Appicon.

The program contains a 36,000 word dictionary which I found to be very useful. Words are suggested automatically and the list of alternative words is quite extensive. If a word does not appear in the dictionary you have the option to enter and save any custom words to the dictionary such as names and addresses. Impressively there is a function edit suite which will let you enter some short-cut keys.



The excellent spell checker that automatically suggests a replacement from a list of extensive alternatives

There is a simple printer settings feature which lets you ensure that the printouts are WYSIWYG



THE BEST OF 1988

(What You See is What You Get). Quite impressive so far however the program does have two disappointments. The first being that you cannot change the font. I was hoping to be able to at least use the bitmap fonts from my Workbench. The second disappointment is that when you format your text the formatting does not apply to the text. Instead it appears as a code by the side of the formatted text. If a line is to be bolded and underlined the text will contain a BU code in front of the text. This subtracts from the overall appearance of the document.

included in the archive, you will get the program, ready to install to the destination of your choice, and an Amiga guide file that sufficiently covers the feature list and use of TextEngine.

Aside from the two major flaws of the program I can still say that the program is quite good. The spelling checker is excellent and the feature list is nothing short of impressive. The program is easy to use and I did not once have to consult the sufficient guide file for reference on how to do something. The function edit suite is good and is something that you don't even expect to get in a commercial package.

*Requirements: Any Amiga
Programmed by:
Nicholas Harvey*

GadToolsBox

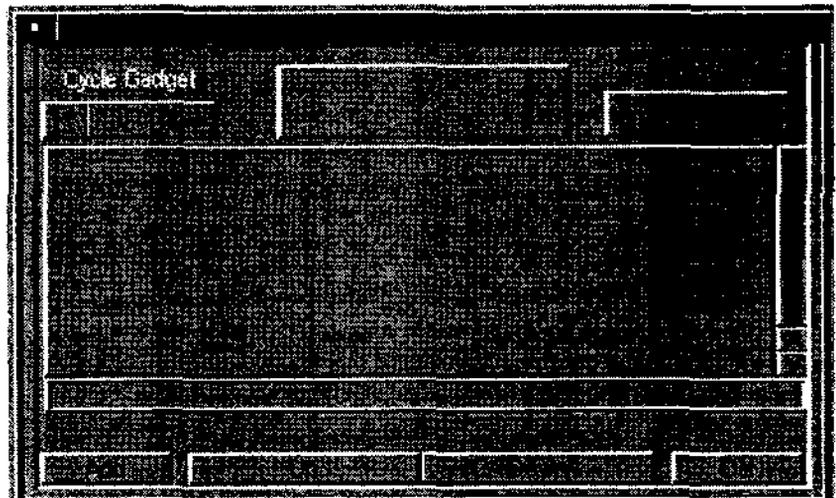
The Amiga's primary source of development has always been in the programming language C. The Amiga's operating system was developed in C and so too are a lot of the applications that you use. This is because C is one of the most powerful programming languages available. It's powerful because it allows you to do things that can't be done with other programming languages. Unfortunately C can be difficult to program in, and sometimes developing even a simple application using C can take a long time. This is even more evident when the application operates using a GUI.

To make the arduous task of developing a GUI for a C application, an easier and faster

method of development known as a CASE tool (Computer Aided Software Engineering) was introduced.

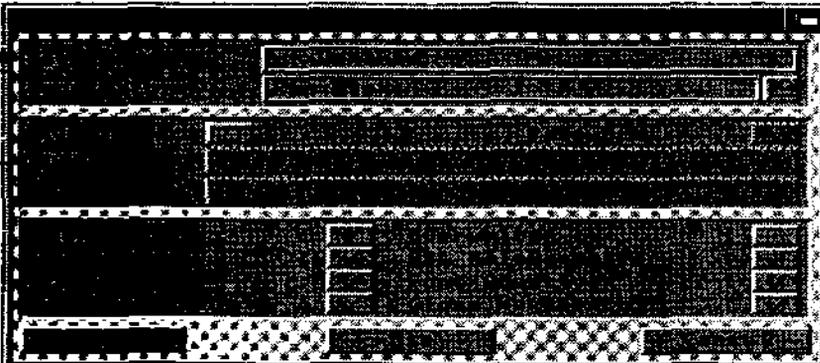
Basically a CASE tool is a program that assists you in the development of a computer application by automating some or all of the tasks involved in developing an application. In the case of GadToolsBox the process of designing and developing a GUI is automated. By comparison to coding your screens the old fashioned way GadToolsBox is much faster and easier, and will be sure to eliminate the frustration that can be associated with the development of screens.

GadToolsBox works a lot like a drawing package. You have a canvas on which you draw your screen by using the selection of tools that you have available;



*An example of a simple screen that I did in literally two minutes.
Saved as C code it was several pages of Intense code.*

THE BEST OF PUBLIC DOMAIN



The preferences screen that lets you easily make some personal adjustments.

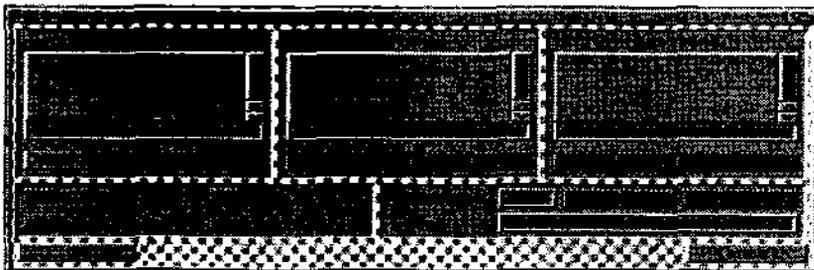
this being a text box, radio button, sliders, and other gadgets that you see in your everyday use of the Amiga's Workbench. As you draw your screen by placing objects onto it, the CASE tool will turn that object into C code.

On occasions you may be required to enter some further information. An example of such an occasion may be a menu which will require you to enter the items that you wish to appear in that menu. If you place a button onto the screen you will of course need to fill in the name of button. Pay careful attention to the name given as the name will be reflected in the code.

Correct naming procedures are advised.

After you have designed your interface you can then save it to one of the three languages of your choice. Foremost is the ability to save it as C source code, Assembler or Oberon. The saved file will be created as text so that you can import it into your C compiler's editor for compiling, and the rest of development of your application.

Other notable features of GadToolsBox include the ability to create a screen using all Workbench screen modes, environment preferences, source code output preferences, multiple



The creation of program menus is a simple case of click and type

windows, and font adaptable code

Anyone who has done some sort of development on the Amiga, be it for their own use, public domain or commercial will know how difficult it is to program in C and especially how slow and difficult it can be to develop an application that uses a GUI. GadToolsBox will most certainly eliminate this difficult task of coding a GUI in C and slash your development time by more than half. GadToolsBox is a superb program and one of those that will have you wondering how you ever did without it.

Requirements: N/A

Programmed by:

Jan Van De Baard

Available From:

Aminet & other PD sites

THE BEST OF PUBLIC DOMAIN

DO YOU HAVE A PD OR SHAREWARE PROGRAM ON YOUR SYSTEM THAT DESERVES MENTION ?

THEN LET US KNOW ABOUT IT.

EMAIL AAG AT AAG@ACAY.COM.AU WITH ALL THE DETAILS

Classified Readers

Amiga 1.3 Mb, monitor, extension drive, heaps of boxed games, keyboard, power pack, mouse, printer, \$400 negotiable
08-8276 2472 PARK HOLME

Amiga 1200, 68060 50MHz, 48Mb RAM, 200Mb internal HD, 800Mb external SCSI HD, 4X SCSI CD-ROM, 28K modem, monitor, mouse, software including Lightwave, AdPro, Brilliance, Wildfire, games, plus free A500: \$1900 negotiable
02-9805 2949 NORTH ROCKS

Amiga 2000 HD, VGA monitor, mouse joystick, heaps of games, full manual, \$500 negotiable
0414-72 0820 NEWTOWN

Amiga 500 computer with heaps of games, joystick, mouse, good condition, \$200 negotiable
02-4454 4800 NARRAWALLEE

Amiga 1200 HD, 80Mb/40Mb HDD, monitor, disk drive, many extras, as new, \$500 or near offer
03-6249 4795 CLAREMONT

Amiga 2500 loaded with hardware, perfect condition, \$500
02-9371 5485 NORTH BONDI

Amiga 500 computer with expansion card, lots of programmes, gen-lock for video titling, all books and lots of magazines and discs, \$300
02-4861 3895 BOWRAL

Amiga 500 computer, plus monitor and colour printer and games Price \$350
02-6761 8524 TAMWORTH

Amiga 500 computers (2) with monitors and original software, \$100 each
07-4636 4168 MIDDLE RIDGE

Amiga 500, 14in stereo monitor, keyboard, 2 disk drives, 52Mb HDD near new, mouse, plus games, \$300 or near offer
08-8326 6256 MORPHETT VALE

Computer Amiga 1200 120HD 1940 colour monitor, colour printer, many extras, must sell, \$550 or near offer
02-6493 8381 BEGA

Video production equipment including Amiga 2000 computer, Sony editing, 3 cameras, lighting, tripods, CD player, 2 computer tables, heaps of accessories, from \$200
02-4257 9089 ALBION PARK

Semi-pro setup, Sony V5000 Hi-8 camera \$1600, Sony XV-C900 multi-colour corrector \$1200, Panasonic FS100 SVHS VCR \$650, 2 Hitachi VCR's hardly used \$210 each, 1 well used \$100, Quest MAV6 A/Video distributor (6 line) \$320, Neriki Genlock (Amiga) \$300, Citizen 200 GX computer printer \$100 or all for \$4000
02-9876 4277 EPPING

Wanted Amiga 500, I require help to understand and operate an Amiga 500, prepared to work something out
08-8234 5073 ADELAIDE

Wanted to buy, games for Amiga 500, good working condition
07-4633 2579 NEWTOWN

Readers Classified is a free service provided by AAG for the private sale of Amiga gear.

If you would like to list your 4sale gear, write to:

AAG (Readers Classified)
42 Manning St,
Kingswood, NSW, 2747
or email us at
aag@acay.com.au

AAG

Australian Amiga Gazette

Advertisers Listing

Amiga Dimension	p17
Amigafest 98	p7
Amiga Genius	p22
AAG Subscription	p30
Byte One Computers	p15
Computa Magic P/L	p2
Computer Kingdom	p22
Motherboard Computers	p18
MVB Computer Supplies	p15
Hinterland Consultancy	p17
Synapse Computers	p16
TechMedia	p17
Unitech Electronics P/L	p25

Helping Hands

If you live in the local area and would like to be involved in helping preparing AAG please contact Michael on (02) 4736-8055. No experience is required, just some spare time and a sense of humour.

Our Thanks this month goto

Amiga Inc.
Jenny Burak
Michael Burak
Computa Magic
Daniel Hajduk
Peter Hutchison
Geoff Milnes

Writers Wanted

If you are interested in contributing to Australian Amiga Gazette we would like to hear from you. We can offer an incentive of \$25.00 (available to Australian residents only) if your article is published on-top of our gratitude and that of our readers. Articles should be submitted as plain text files. Graphics as iff or gif format. Please do not send your originals, just a copy.

Important Notice

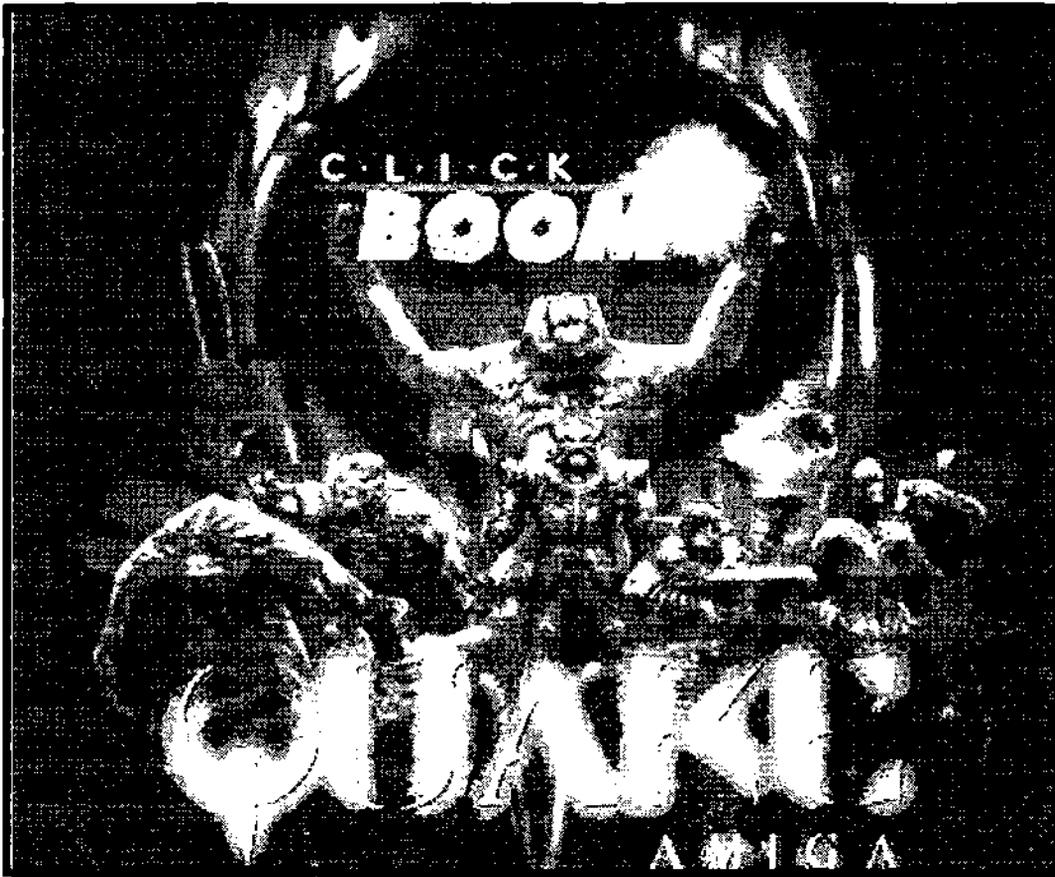
The information contained in this gazette is given in good faith, and is accurate at the time of publishing. To the maximum extent permitted by law, neither AAG, its employees, agents or its contractors accept any liability for loss or damage arising as a result of any person acting in reliance on information contained in this gazette. This gazette should not be used or relied on as a substitute for detailed professional advice

How to contact us

Australian Amiga Gazette
42 Manning street
Kingswood NSW 2747
Phone: (02) 4736-8055
Email: aag@acay.com.au
Web: www.acay.com.au/~aag



THE QUAKE IS HERE!



Now in Stock! Only \$109

- Identical to the original Quake, Amiga version offers:
 - All the levels, enemies and wild action
- Ability to play against any combination of PC/Mac/Amiga over Internet, modem, cable, or network
 - Complete compatibility with any Quake conversion
 - Added 16-bit gfx

Min. requirements: 020 CPU+FPU / 8Mb RAM / 30Mb HD space
Recommended: 060 CPU+FPU / 16Mb RAM / CGFX/P96 / Internet connection

MOTHERBOARD COMPUTERS

42 Manning Street, Kingswood NSW 2747
Ph(02) 4736-8055 aag@acay.com.au