

# THE AMIGA INFORMER

A summary of information and support for Amiga users

## What's Happening at Gateway?

... A Look Behind The Scenes

*Playable TV And The Amiga*

*NewTek's Future With Amiga*

... View By Joe Tracey

*Connecting With Ethernet*

*Keep It Anonymous  
With Remailers*

*The SuperView Powerhouse*

### Reviews:



AEMail



ArtEffect



PMPPro



Voyager



Capital  
Punishment





Announcing: World of Amiga Show 1997

September 6th 10am-6pm & September 7th 12pm-5pm  
1315 Richmond Road Ottawa

See www.wonder.ca or call for details DON'T MISS IT!

## Solutions at Lower Prices!

### Amiga CDRom Writer Starter Kit:

JVC XBW-2022, SCSI 6x reader 2x writer, internal  
Master ISO v.1.25 OEM, 11 Blank CDRoms  
..... \$435 U.S. / \$599 Canadian

### Amiga Scanning Starter Kit:

Paragon 600Isp 600x300 optical colour flatbed scanner.  
Scan Quix Amiga Software package  
..... \$299 U.S. / \$399 Canadian

### Amiga Scanning Pro Kit:

Paragon 1200sp 1200x600 optical colour flatbed scanner.  
Scan Quix Amiga Software package  
..... \$429 U.S. / \$599 Canadian

### Display Enhancer Kit:

Daytek 17" Monitor w/ Digital Controls, Supports up to  
1280x1024 non interlaced  
..... \$469 U.S. / \$649 Canadian

With any graphics card purchase  
..... \$435 U.S. / \$599 Canadian



Cybervision w/ Flicker Fixer  
..... \$379 U.S. / \$529 Canadian



Picasso IV  
..... \$429 U.S. / \$599 Canadian

Video Magician Flicker Fixer  
..... \$229 U.S. / \$319 Canadian

## PC EMULATION

PCTASK 4.2 (Fastest PC emulation on the Amiga!) ..... \$89 U.S. / \$119 Canadian  
PCTASK 3.1\*Non upgradeable\* ..... \$29 U.S. / \$ 39 Canadian  
MS-Dos 5.0 or Windows 3.0, with either of the above ..... \$6.99 U.S. / 9.99 Canadian

## SUMMER SPECIALS

AMD SCSI Chip: (Slightly enhanced replacement for WD Rev. 08 SCSI Chip) ..... \$29 U.S. / \$39 Canadian  
External 5.25" SCSI Case (With integrated power supply) ..... \$65 U.S. / \$89 Canadian  
Dataflyer A1200 SCSI+ ..... \$49 U.S. / \$69 Canadian  
Practical Peripherals 14.4 External Modem, (Mini-Tower style) lifetime warranty. .... \$35 U.S. / \$49 Canadian  
Digital Quill (Beautiful Text Editor by Phantom Development) ..... \$29 U.S. / \$39 Canadian  
Final Data Rev. 3.0 ..... \$29 U.S. / \$39 Canadian  
InfoNexus and DataNexus ..... \$29 U.S. / \$39 Canadian  
DirWork 2.1 ..... \$29 U.S. / \$39 Canadian  
"On Board" A4000 7x Zorro III Slots, 2x Video ..... \$219 U.S. / \$299 Canadian  
"On Board" A1200 7x Zorro II, 5x PC, PC Keyboard Interface ..... \$269 U.S. / \$379 Canadian  
PageStream 3.1 ..... \$109 U.S. / \$149 Canadian

**WCi Exclusive:** Announcing the North American debut of the "Topolino" a PC Mouse Adaptor for the Amiga.  
Enjoy that ergonomic mouse you've always wanted to try, or that cool Trackball or Trackpad.  
Plugs right into the Amiga's mouse port (Includes Free Mouse) ..... \$43 U.S. / \$59 Canadian

Please support your local dealer. Or contact:

Wonder Computers Ottawa... Tel: (613) 721-1800, Fax: (613) 721-6992.  
Wonder Computers Vancouver at... Tel: (604) 524-2151, Fax: (604) 524-2151.

Forward Dealer Inquires to:

WCi Distribution at... Tel: (613) 721-1993, Fax: (613) 721-1994.





Editor-in-Chief:

Fletcher Haug - eldritch@mhv.net

Design & Administration:

Betty Haug - informer@mhv.net

News Correspondent:

Brad Webb - bandr@globaldialog.com

Field Correspondents:

Adrian Pickering - adrian@pickering.prestel.co.uk

Robert Pigford - cyrano@goodnet.com

Columnists:

Davis Sprague - dsprague@mhv.net

Brad Webb

Oleg Moskalensky - pcs@accessone.com

Support Staff: Lance Haug

Cristina Rodriguez

This Issue's Contributors:

Jeremy Campbell, Paul Idol, Joe Tracey,

Bill Schuck, Ted Wallingford, Chris O'Donnell

Mission: To provide an accurate and reliable resource of information pertaining to all things Amiga®, and to connect readers with developers, their products and the Amiga community at large.

The mention or reference to other companies or products in these pages is not a challenge to the trademarks or copyrights concerned. Material published in The Informer does not necessarily reflect the opinion of Eldritch Enterprises. Eldritch Enterprises will not be held accountable for such opinions or misinformation. Amiga is a registered trademark of Amiga International.

©Copyright 1997 by Eldritch Enterprises. ISSN 1089-4616. Nothing may be reproduced in whole or in part without the expressed written permission of the publisher.

Over 5,000 issues are currently printed and distributed bimonthly. Second Class mailing permit pending.

The Informer is produced entirely on Amiga computers. The equipment used:

A2000, Blizzard 2040/40 Mhz, 16Mb RAM

A1200, Blizzard 1260/50 Mhz, 32 Mb RAM

HP Scanjet IIp scanner

Epson Stylus Color printer

PageStream 3.3 + Extensions

DrawStudio 2.0

Image FX 2.6

Final Writer 97

Plus many other commercial and freely distributed programs.

Address changes and inquiries should be directed to:

The Amiga Informer

PO Box 21

Newburgh, NY 12551-0021

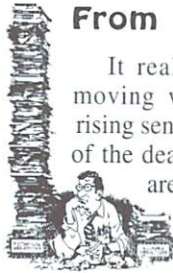
(914) 566-4665

informer@mhv.net

http://www.amigainformer.com

Rate for six issues is (in US dollars) \$15 USA, \$18 Canada, and \$28 all others. Personal checks from USA only, all other Money Orders or Bank Checks payable in US dollars. Checks and Money Orders must be made payable to **Eldritch Enterprises**. Credit card orders only call toll free 888-88-AMIGA. Subscription Form provided - See Page 46. A limited number of back issues are available. Call for ordering and availability.

Printed by Maar Printing Service  
Poughkeepsie, NY 914-454-6860



## From the Editor's Desk:

It really seems things are again moving with the Amiga. There's a rising sense of enthusiasm among most of the dealers I speak with that things are getting better. With positive news appearing, it seems a bandage has been applied to the wounded Amiga community.

During the recent "dark times," more than a few Amigans bought PC's in their frustration. Many of these users have come to find that there is a dark side to the PC glitter. Recently, a friend bought a very nice Pentium laptop. Admittedly, it looks good. He also purchased a matching docking bay for it, manufactured by the same company that makes the laptop. He followed the plug-n-play instructions for installation, tuned on the power, and was surprised to find that the hard drive was no longer recognized.

I don't mean to PC bash here. I recognize the power and necessity of a PC, especially in the business world. What I am saying is that all that glitters is not gold. Don't believe all the PC marketing hype, instead believe in what you know. Your good old Amiga may lack polish and volumes of available applications, but that doesn't mean it can't do what you need it

to. A moderately equipped Amiga really can hold its own. It's an excellent internet platform: an area where it's multitasking really shines. You can easily utilize a great amount of PC or Mac CD titles using emulation, and you can also do the same with business applications.

I'm not saying you shouldn't ever buy a PC. What I am saying is think twice before doing so. With an investment of a few hundred dollars (GFX card, faster CPU), your Amiga can become a new machine. On the other hand, an investment of a few thousand dollars will get you a new PC. However, that PC will need to be upgraded or replaced in a very short time just to keep up with the high-end driven PC market. Upgrading your Amiga will produce a huge system performance increase and will last a lot longer than the life of a new PC. So don't sell your Amiga, give it the upgrade it deserves.

The good ship Amiga has finally found a Captain, installed a rudder and is setting course for a tropical island paradise of computing. Those that jump ship now may well find they have to do a lot of swimming to get back to the ship and climb aboard once again. Don't jump ship now when the horizon is filled with a promising view.

Fletcher Haug

## Special Thanks

We would like to thank the following Dealers for helping to distribute this issue of The Amiga Informer.

Anti Gravity, Santa Monica, CA

De Vine Computers, Newark, DE

Mr. Hardware, Central Islip, NY

Paxtron Corp., Spring Valley, NY

Safe Harbor, Waukesha, WI

Software Hut, Sharon Hill, PA

VisionSoft, Carmel, CA

Y/C Plus, Topeka, KS

The Informer is also available from any of the following retail locations:

AV Solutions, St. Paul, MN

Commodore Country, Bursleson, TX

Computer Advantage, Johnston, IA

Digital Arts, Bloomington, IN

GfxBase, LaSalle, QC

JW's Lil Shoppe, Walla Walla, WA

Maxximum Video, Boise, ID

National Amiga, London, ON

Sixty-Four and More, El Cajon, CA

Systems For Tomorrow, Independence, MO

The Lively Computer, La Mesa, CA

Turtle Lightning, Midland, TX

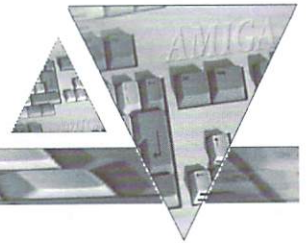
Wonder Computers, Ottawa, ON

## In This Issue . . .



News	4
Bytes	8
Announcements	14
Enhancements	20
Workbench Extras	
Site Seeing	22
PD Pick	
Evaluations	28
Reviews	
Summaries	
Game Zone	
Ask Dr. Amiga	40
Advertisers Index	42
Contacts	42
Marketplace	44
Subscription Form	46





## Behind The SCENES At Gateway

By Brad Webb

So what HAS Gateway 2000 been up to since it bought the Amiga? That must be the most burning question Amigans have been asking in the weeks since the sale. Whatever they've been doing, it hasn't been obvious. We thought we'd do some looking around and see what there was to report. We discovered that Gateway definitely is asserting itself in the Amiga community. Quietly, but with certainty, their vision for the Amiga is becoming reality. This article presents some details.

In a surprise move that demonstrates the strength of their commitment, this summer Gateway launched a new Amiga

subsidiary named Amiga Inc. Gateway went as far as obtaining a separate building for the headquarters of this second Amiga subsidiary. The General Manager is Jeff Schindler, who has a background in developing innovative products for Gateway and in the Amiga community as well. Amiga Inc. will be in charge of future developments, while Amiga International in Germany remains in charge of sales, distribution, and licensing of the Amiga technology. The two Amiga companies will probably take a regional approach to selling the Amiga as time goes by.

A fascinating detail was mentioned to

us. There has been talk within Amiga Inc. of creating a "Hall of the Amiga" within the new headquarters building. Visitors to the building would walk through a presentation of Amiga history on their way to the meeting rooms beyond. It might not happen, but it's an intriguing idea that shows genuine enthusiasm for the Amiga.

We've learned that the still small staff of Amiga Incorporated is busily discussing the future with leading lights from the Amiga's past. Many are interested in helping where they can, though few are willing or able to take on a full time role with the new company. In some cases that's surely unfortunate, though the willingness of "the old timers" to help is still a positive. At the same time, Amiga Incorporated has gone on a recruiting mission for seasoned professionals in the information technology industry to help staff the new company. This is good news indeed (see side-bar).

What new Amiga products might be developed is hard to determine at this point. Amiga Inc. is still examining possibilities. Several things are clear, however. First, there is no truth to the rumor that Gateway bought the Amiga just for its operating system and patents. The Amiga will not be used just to make set top boxes for televisions, though that is among the possible applications. Gateway was very impressed that the Amiga OS is so compact it can be contained on a chip. This implies at least some products will be considered where the Amiga will be an "embedded" computer, not readily recognizable as an Amiga. This has been done in the past with Amigas. There have been Amigas buried in kiosks for a variety of informational purposes. There was once a house painting simulator used in many paint stores with an Amiga at its heart, and recently, the railroad systems in both Australia and New Zealand have bought Amigas for use in departure and arrival systems. In all these cases, the Amiga is hidden from view by the nature of the application. However, each of these uses represents another marketing opportunity

The Amiga Informer has learned of a series of high level job openings for which Gateway 2000 is seeking qualified candidates. We understand management recruiting firms are already at work to identify individuals for these positions, most of which are at the Vice President level within Amiga Inc. Included are a Vice President of Sales and Marketing, Vice President of Technology and Development, and Director, Amiga Operating System. Specific requirements show that Gateway is only interested in successful, well qualified professionals within the computer industry. This seems to be another example of Gateways quietly aggressive promotion of the Amiga and indicates movement in a direction which should encourage all members of the Amiga community. One questions seems to arise from this recruitment effort however. How does the new VP of Sales and Marketing position square with the existing efforts of Amiga International? It will be interesting to see how that piece develops.



for Amiga.

Along these lines, our sources report that Gateway has had many contacts with consumer electronics firms interested in making use of current and future Amiga technology. We were told this includes some "very, VERY big names in the consumer electronics industry." These would be OEM (Original Equipment Manufacture) deals where the Amiga is used as part of someone else's product with the OEM company's name on it. Besides increasing market share, this strategy gets the Amiga into use in a lot of areas without worrying about how people will react to a "different" computer. It also provides a solid economic base on which to build the future.

Part of that future will be determined during a series of upcoming developers' conferences sponsored by Amiga Inc. The first will take place during the 1997 Midwest Amiga Exposition (MAE) which will be held in Columbus, Ohio on November 1 and 2. Press notices for the event quote Darreck Lisle, Amiga Inc.'s Public Relations and Events Coordinator as saying, "The Developers Conference at the MAE show is actually just the first of a series of international conferences Amiga Inc. will be sponsoring. We recognize the importance of effective communication and cooperation between software and hardware makers and the new Amiga development team here at Amiga Inc. and we are putting together an ambitious program to facilitate an effective exchange of ideas and information." At the time of writing, nearly 250 developers have already expressed interest.

Our sources tell us one thing this first meeting will do is determine the base Amiga system to be targeted for future software development. There's no way to be certain what that configuration will be, but many insiders feel a 68030 based system with a minimum of 8 Mb of RAM is a likely choice. Some developers may still choose to produce "light" versions of their software for less powerful systems. Another item on the agenda will be establishing the format for later DevCon's. Amiga Inc. would like a structured approach, but the actual format will be set in consultation with the developers. Already there are additional DevCon's planned for Cologne, Germany, Milan, Italy, St. Louis, Missouri, and London. The newly formed Industry Council for Open Amiga (ICOA), a project of the

Amiga Inc.'s new Public Relations and Event Coordinator, Darreck Lisle, is a long standing Amiga enthusiast. In addition to organizing shows and events, Mr. Lisle is busy contacting a wide variety of established computer industry companies to get them to support the Amiga. He has already produced results by getting Epson to supply their products with Amiga drivers. Other computer peripheral companies being solicited are US Robotics, Mitsubishi and Hewlett Packard to name a few. Its this kind of leg work that will get the Amiga notice from companies that have all but forgotten it is around.

Darreck is also looking for suggestions and comments from the Amiga community. He is very interested in forming a User Group network and establishing an Amiga Inc. news-letter. Energy is also being used to form an email database of Amigans so that mass press releases can be sent effortlessly. You can fax or email your concerns to Amiga Inc. at: Fax, 1-605-235-1002; Email, darreck@amiga.de or schinjef@gw2k.com. Fax and email are preferable to phone.

equally new Jay Minor Society, will serve as the official interface between Amiga Inc. and the developer community for registration at the DevCon's. The ICOA will also be involved in the development of a Registered Developers Network.

What we're seeing are clearly moves designed to build a foundation for the expansion of the Amiga market. "Foundation" was the exact term used when we talked to Lisle recently about Amiga Inc.'s activities. He told us the broad goals include reestablishing the "old community" and bringing back those who have left. Establishing a "firm foundation" for the future is very important.

Gateway 2000 is naturally eager to see the efforts of both its Amiga subsidiaries succeed. An encouraging policy is the hands off approach they've taken so far. As Lisle put it, "there's no micromanagement" or interference from Gateway.

Gateway has made some impressive moves. The founding of a new subsidiary, the renting of a separate building for it, and the clear reaching out to the Amiga community for guidance as a road map to the future is drawn are all strong positive signals.

We can expect Gateway to make its progress quietly for some time to come.

Gateway has historically kept new ventures low key during the early phases, and that element of the corporate culture will be a part of Amiga Inc.'s make-up despite the hands off approach. For instance, Amiga Incorporate was created with little fanfare and no formal press announcement that we've seen. By the same token, don't look for much advertising until there are some new products to entice new owners. We were told Gateway is very conscious of the mistakes made by Commodore and Escom, where products were hyped long before they were available. There has also been the recent history of Amiga owners or would-be owners making loud and grandiose promises that came to nothing. The Amiga Community has gotten used to hearing a lot of words and seeing very little action. Gateway 2000 is taking the opposite approach. We found this refreshing and very encouraging.





# Revolutionary Technology . . . And Its Called From The Amiga Playable TV

By Fletcher Haug

What the Amiga needs is a new revolution similar to the one that took place when NewTek's Video Toaster hit the market. The Video Toaster was responsible for tens of thousands of Amiga computer sales. It turned the Video market on its head and brought the Amiga into the mainstream, demanding that it be recognized. The Amiga needs this again and it needs it now, not two years down the road. The current 68K based Amiga, although dated, still has much to offer and must get Amiga Inc. through at least the next year until new models appear. A product is needed now that will draw attention back to the Amiga and what it can do.

It just so happens that there is such a product. It is not a dream or a promise, but a real functioning product that is available now and works with current Amiga software and hardware. It can deliver performance and functions unmatched by any other computer platform. It's ready to sell immediately and has the very real potential of bringing the Amiga back into the public's eye once again with its truly revolutionary abilities. It's called Playable Television.

Playable Television (PTV) will affordably offer a variety of presentation options to a wide range of industries. It is not aimed at the production of video by end-users, but rather will be marketed to industries that wish to offer presentations and interactive services. Theaters, car dealers, banks, training centers, visitor centers, night clubs or any other establishment that desires to have their end-user interact directly with their service can benefit from the interactive kiosk capabilities of PTV. Imagine a museum, amusement park, or zoo with well-placed interactive maps that can visually direct patrons to desired destinations by showing line-of-sight video and audio explanations of where to go. Or a national park visitor center that provides interactive presentations to tourists, helping them decide their day's events. Picture also a night club in which the customers can request specific songs from a touch screen unit like a juke box and have the videos of the song playing in broadcast

quality on all the monitors throughout the club. These are just a few of the applications that can be accomplished easily with PTV.

Playable Television is the creation of Mark Stross who owns and operates Marmalade Inc., a Video Toaster based video and animation company operating since 1990. PTV is based upon the Amiga 4000 Tower. While the foundation of PTV is the A4000, the heart of it is NewTek's Video Toaster/Flyer system. The Flyer hardware is installed in the A4000 as usual, but innovative custom software is used in conjunction with additional multimedia applications to create an incredible combination that interacts with the hardware. This whole system is connected by a serial cable that carries video, audio, and touch screen controls to a RGB TV display. This TV becomes an interactive touch screen box or kiosk used by the end-user.

What this combined integration of the Amiga, Toaster/Flyer and custom software does is unmatched anywhere. Playable Television produces four channels of 16-Bit CD quality stereo sound and can play two separate channels of full screen, broadcast quality video in 24-Bit color simultaneously with real-time interactively from the touch-screen monitor. Near instantaneous results from touch screen user input allows the user to navigate through the resident presentation with ease and unprecedented speed. No need for static screen icons with PTV. Full moving videos or animations can be displayed in all screen icons at the same time. Multiple PTV units can be linked together as a set, and the internet can be accessed on-site by the user if the application calls for these features.

Playable Television CEO, Mark Stross, recently met with several top figures at NASA, including the heads of Simulations, Programming and Relations. After a demonstration of PTV, NASA praised the product and agreed to move forward in purchasing several units to use at their facilities. If NASA buys these units, it will go a long way to legitimize the Amiga in the public eye. Remember, PTV is an Amiga with the Amiga logo and trademarks unchanged. With PTV

installed in facilities like this, countless opportunities would arise for creative third party developers to apply their programming talents to a growing market.

Playable Television is ready now and can be deployed in limited quantities. The only thing preventing this exciting product from going into full scale production right now is a simple license. NewTek has yet to sign a license that promises Playable Television a guaranteed supply of Toaster/Flyer boards. Without this license, PTV cannot secure the financial backing it already has established to go into full scale deployment. PTV has at least a year's supply of A4000's secured, but the license agreement from NewTek is stagnating the process.

It's not clear why NewTek is withholding this license. One could speculate that perhaps NewTek wishes to obtain the PTV for themselves. When this speculation was posed to NewTek Marketing Directory Steve Herrmann, he said, "This deal will go through. It's just a matter of dotting the I's and crossing the T's." In reference to NewTek taking over Playable Television themselves, Herrmann responded, "That is not going to happen. We will not go down that road." Yet, the license remains unsigned as of this writing, and there are some serious concerns that it might not be signed. According to Mark Stross, if a license is not granted by NewTek for the Toaster/Flyer, backup plans will have to be implemented. Says Stross, "We want to keep this project solely on the Amiga, but if a license is not granted, we will be forced to move development of the Playable Television to the PC."

Playable Television appears to offer a win-win situation for NewTek, PTV and Amiga Inc.—who are thrilled at the prospect of selling thousands of A4000's. It would be a crime to see this product lost if NewTek doesn't sign a licencing agreement with PTV.

Some at NewTek don't see the Amiga as a viable platform for development. While Amiga Inc. is planning to meet with NewTek to presumably change this opinion, more needs to be done. NewTek needs to hear from the Amiga community. There is a real danger that NewTek





will decide to drop any further support for their Amiga related products. The Amiga has a real chance to once again get in the spotlight with PTV. Every Amiga user should contact NewTek to let them know just how much the Amiga means to them and how important NewTek is to the Amiga. NewTek must see that Playable Television is a great opportunity not just for the Amiga, but for their future as well. You can contact NewTek with your thoughts in any of the ways below.

Tim Jenison, Chairman of the Board:  
tim@newtek.com  
Dwight Parscale, CEO:  
dwight@newtek.com  
Donetta Colbach, VP of Administration:  
donetta@newtek.com  
Steve Herrmann, Director of Marketing:  
steve@newtek.com  
Phone: 1-800-843-8934  
Fax: 210-370-8001

Larry Heilman of YC/Plus is acting as the spokesman for Playable TV. You can reach him at: Voice: 1-800-586-1700; Fax: 913-235-3485; URL: www.playabletv.com



## IN BRIEF

Version 0.8B of *Games Master System (GMS)* is now available. GMS is a developers kit that is aimed at enhancing the functionality of the Amiga OS, with emphasis on games programming. It is now 100% object oriented, making it the first system of this kind to appear on the Amiga. Email Paul Manias at paul@ethos.co.nz for more info or visit <http://gms.ethos.co.nz/gms/>. The *Chroma T-Case* for the A1200 is a full size tower in which an A1200 motherboard can easily be fitted. It is available in an inexpensive DIY format or in fully converted form. Prices range from approximately US \$120 to \$165. Visit <http://members.aol.com/chromanet/index.html>. *Epson* has agreed to supply Amiga Inc. with everything needed to develop software and drivers to support their full line of printers and scanners. Visit Epson at [www.epson.com/](http://www.epson.com/). Visit the *ClickBOOM* website at [www.clickboom.com](http://www.clickboom.com), and join the weekly *Myst hunt* to win a free copy of the upcoming *Myst* CD. While there, you can grab the latest level cheats for *Capitol Punishment* and shop for Amiga titles on-line in the new *ClickBOOM* shopping mall. *IBrowseSSL* is a free update that will allow *IBrowse* to handle Secure Socket Layers. It comes in several versions, one of which is legal to use in the US and Canada. It allows *IBrowse* to use SSL together with *AmiTCP*, *IN225*, *Miami*, *TermiteTCP* or *MLink*. Get your update from the *Blittersoft* website at [www.blittersoft.com](http://www.blittersoft.com). *Vulcan Software Limited* opened a new North American Branch. Called *Vulcan Software America*, it will offer mail order services and tech support for all *Vulcan* products in North America. They will also distribute products to North American dealers. Contact Steve Ocepek at [steve@sagsoft.ald.net](mailto:steve@sagsoft.ald.net) or 1-800-426-7687. Likewise, *Vulcan* announced their new full screen animated 3D Scenic Shoot 'em up called *Hard Target*. No release date is announced, but visit [www.vulcan.co.uk](http://www.vulcan.co.uk) for more info. The source code for the *DICE compiler software* is being released to the public. This code will easily compile on Amigas and to some degree UNIX systems also. If you want to get the complete *DICE* code, visit <http://www.obviously.com>

## Dont Miss These Upcoming . . . Amiga Shows

Here's a few of the shows that are already scheduled. Several more are in the works but were not yet officially announced at time of print. The Informer will be sure to list all upcoming shows in future issues.

**ZKM Center for Art and Media on the Internet, Oct. 18, Atlanta, GA.** This is a unique art show that features and displays artworks only found on the Internet. The ZKM Center uses Amigas for its presentations. The show will feature a live broadcast between a user group and/or sister museum in Germany using Amigas.

**NewTek Expo Oct. 19-22, Universal City, CA.** In a surprise turn of events, Amiga Inc. became involved with this show just 6 weeks prior to its opening. It is hoped that Amiga Inc.'s presence at this show will open a better channel of communication and cooperation between NewTek and Amiga. Visit [www.newtekexpo.com](http://www.newtekexpo.com).

**Midwest Amiga Expo (AmiCON), Nov. 1-2, Columbus, OH.** This show will kick off the Amiga Inc. sponsored and ICOA supported Developers Conferences that will become a part of all Amiga Inc. hosted shows. Visit [www.amicon.org/mae.html](http://www.amicon.org/mae.html) for more information.

**Computer 97, Nov. 14-16, Cologne, Germany.** The biggest Amiga show on earth. This show will feature speeches and press releases

about the future direction of the Amiga, near and long term goals, future markets for the Amiga, and the steps that are being taken to promote the Amiga to the world. There will be seminars by: *Vulcan Software* about new high-end games development; *Haage & Partner* on programming and compiling in C using *StormC*, and programming for PPC and Java; and *Nova Design* on using *ImageFX*, *Aladdin 4D* and *Cinimorph*. The show will also feature the *Developers Conference* and perhaps even have classes on getting your Amiga on-line and creating web pages. Visit [www.computer97.de](http://www.computer97.de) for more information.

**IPISA 97, Nov. 29, Milan, Italy.** The International Programmers Meeting for the Development of Alternate Systems is a multi-platform convergence of worldwide developers who meet to discuss the future of alternate platform computing. The Amiga has always had a strong presence at this gathering and the attendance of Amiga Inc. will further strengthen the Amiga's profile. Visit [www.bhuman.it/isipa/](http://www.bhuman.it/isipa/)

**Gateway 98, March 13-15, St. Louis, MO.** The organization of this show is well underway already. Amiga Inc. will have a booth and will host the second official International Developers Conference meeting. Last years show was a model of organization and the '98 show should prove the same.

Look to [www.icon-stl.net/~amiga](http://www.icon-stl.net/~amiga) for all the latest details.





**Amigans worldwide have linked their computers** in an effort to crack a widely used encoding scheme designed to protect data – and it's all legal. The effort is part of a challenge to crack the RC5 and DES encryption algorithms to prove the need for better encryption on the Internet. Several teams have been formed to meet the challenge issued by RSA Laboratories. The Amiga team has joined in to use the contest as a chance to promote the Amiga. The "cracking" is done by a client software package that runs in the background, so your Amiga can continue to be used for other tasks. To join the effort, or for more information, point your browser at [homepage.cistron.nl/~ttavoly/rc5/](http://homepage.cistron.nl/~ttavoly/rc5/)



**CU Amiga Magazine**, one of the UK's largest Amiga publications, is assisting Amiga Inc. in building a database of Amiga developers. All serious Amiga developers should register at the CU Amiga web site if they wish to be included in a future Registered Developers Network. Likewise, the Industry Council Open Amiga (ICOA) will also be playing a vital role in the future of both the Developers network and the Developers Conferences being held at Amiga shows. Visit [www.cu-amiga.co.uk/news/devreg.html](http://www.cu-amiga.co.uk/news/devreg.html) to register with the CU Amiga sponsored developers database, and [www.znet.com/~colin/icoa/](http://www.znet.com/~colin/icoa/) to find out more about the ICOA.

**On September 10, Gateway 2000, parent corporation for Amiga**, made a formal entry into the corporate PC server market with the introduction of its NS line of servers. The company is also making moves into the workstation market with a series of Windows NT workstations. The moves are part of Gateway's announced thrust into the corporate computing market. Gateway's traditional strength has been in consumer sales. While not of immediate interest to Amiga owners, both of these moves are designed to ensure the long term health of the company the Amiga now relies on.

**The recent UPS strike caused problems for many companies, including Amiga's new owners at Gateway 2000.** Third quarter earnings were depressed by the strike, lower average unit prices, and reserves against excess inventory. In contrast, unit shipments were up 30% over the previous year's and the company is seeing some success from its push into corporate PC markets. One third of its \$251 million sales in the first quarter were to corporate markets.

**It is now possible to order some spare parts for your Amiga** directly from Amiga International, Inc. Parts are available for all models except the A1000. Prices are quoted in Deutsche Marks, and include a 15% German Value Added Tax. Overseas delivery will be handled by DPD, a German delivery service. Point your web browser at [www.amiga.de](http://www.amiga.de) for more details.



**The newly formed Amiga Inc. will be hosting its first-ever official Developers Conference** at The 1997 Midwest Amiga Exposition (MAE) which will be held in Columbus, Ohio on November 1 and 2. This conference will be the first of a series of international conferences sponsored by Amiga Inc. to coordinate the exchange of ideas and information within the Amiga community. Additional conferences are also planned for Computer 97 in Cologne, Germany, the IPISA conference in Milan, Italy, the Gateway 98 show in St. Louis, Missouri, and the WOA show in London, England.

**As reported in our last issue, Lotus Pacific and Regency continue to move forward with the creation of their Amiga line of clones.** The Informer has learned that highly confidential negotiations are proceeding between top level management figures of Gateway 2000 and Lotus Pacific. These talks are ongoing. Lotus is looking to enter the global market with their Wonder TV line of Amiga-based systems. They want to maintain compatibility with the existing Amiga OS, but an agreement must be reached with Gateway before Lotus can sell their product outside the Asian market. If an agreement is not reached, Lotus will be forced to continue development of the OS on their own. Negotiations are also underway with the license owners of several Amiga software titles which Lotus would like to include with their line of products. No word on which titles are available at press time.

Financing has been secured and production agreements have been signed with 3rd party manufacturers to produce the line of Wonder-TV products, and it is expected that production will begin in several months. Lotus has hired many engineers that previously worked for top multimedia firms. Several former Commodore and AT&T engineers are said to be among those employed by Lotus. Visit [www.lpfc.com](http://www.lpfc.com) for more information.



Since **5** years  
the biggest **AMIGA**-event  
in the world:

14.-16. Nov.  
**THE AMIGA-  
EVENT OF THE YEAR!**  
**COME TO COLOGNE, GERMANY!**

# COMPUTER 97



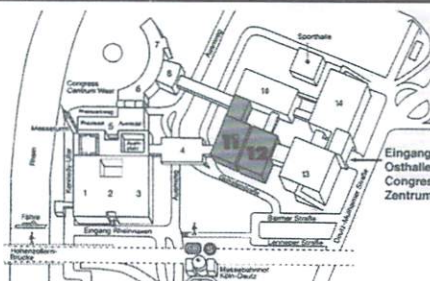
The biggest event for the **AMIGA**  
and all **AMIGA**-fans in the world!  
Come and see all new **AMIGAS**, peripherals  
CD-ROMs, games, applications, and, and, and...

**Info-Hotline: Phone +49/201/8954066**

**Internet: <http://www.computer97.de>**

**Köln Messe**

14. - 16 November  
Cologne, Germany  
Exhibition Grounds  
Halls 11 + 12



The Computer '97 is held by:

**ICP**

ICP GmbH & Co. KG  
Innere Cramer-Klett-Str. 6  
D-90403 Nürnberg  
Tel. +49/911/5325-210  
Fax +49/911/5325-215

A company  
of the GONG-Group

**PRO  
Concept**

PRO Concept-  
Gesellschaft für  
Veranstaltungen und  
Marketing mbH  
Kenneder Straße 52  
D-44795 Bochum  
Tel. +49/234/94688-0  
Fax +49/234/94688-44

powered by **AMIGA**

Advertising sponsored by Amiga International, Inc.  
Robert-Bosch-Str. 11B, 63225 Langen, Germany  
Fax +49 (0)6103/5878-88 [www.amiga.de](http://www.amiga.de)

Use our booking-office:

No waiting at the ticket-office but a separate entrance!

Tickets for the Computer '97

__ Tickets for Adults	at 23DM	__ DM
__ Tickets for Children/Students	at 23DM	__ DM
Please add for P&P		5DM
<b>Total</b>		<b>__ DM</b>

Valid until 15. October 1997. Please send a EC-Cheque with your order.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Address: \_\_\_\_\_

Date, Sign: \_\_\_\_\_

Please send this order to:

ICP, Innere Cramer-Klett-Straße 6, D-90403 Nürnberg



# How High Can The Amiga Fly?

by Joe Tracy

The flight of the Amiga is back underway thanks to Amiga International and Amiga Inc. But is it too late to rescue one of their biggest clients ever—NewTek?

Tens of thousands of video companies, TV stations, schools, and hobbyists own the Amiga computer because of one reason—the Video Toaster. The Toaster was the start of a video desktop revolution that took the world by storm. The future looked bright. Very bright.

Something unexpected happened to damage that bright future, however. Commodore, owners of the Amiga technology, went belly up and for years to follow the Amiga would remain in a stagnant freeze while users pondered other platforms.

Other platforms? Yes. Even NewTek did by announcing earlier this year that they were abandoning any future Amiga upgrades of LightWave 3D in favor of the platforms that had rescued them from near financial ruin—Intel, Alpha, and the PowerMac. This was a legitimate decision for while the Amiga was holding still, other computers were finally catching up in areas of processing speed and OpenGL. The Amiga could not compete. Other platforms were getting wiser, and NewTek saw their advances.

At the 1995 NAB (National Association of Broadcasting) show, NewTek made the stunning announcement that they were creating a portable Toaster/Flyer for the

PC. Even more shocking, it would be ready to ship in six months. However, over two years later, it still hasn't arrived because NewTek discovered that a PC Toaster/Flyer is not an easy thing to create. In fact, rumor has it that a Toaster/Flyer combination was ready to ship on time, but beta tests proved that it didn't even come close to the quality and capabilities of the Amiga version. Again, this is a rumor, but it does make sense.

The Amiga's simplified OS and unique chip sets seem made for video and multimedia productions. NewTek's founder, Tim Jenison, realized this and decided that the Amiga was the platform of choice to start the video revolution. The strengths of the Toaster and Toaster/Flyer systems are the marriage between the Toaster/Flyer hardware and the Amiga. When introduced, the Flyer was the only system that could achieve things like real-time effect playback. The Amiga made it possible while people on other platforms had to wait an hour or more for all the effects in an entire project to render.

Unfortunately, interest in the Flyer wasn't even close to the popularity of the Toaster because by the time the Flyer came out, the future of the Amiga was uncertain. And even up until a few months ago that was still the case. With no money to advertise and an uncertain future of the Amiga platform, the Flyer became the best nonlinear editor on the market without the revolutionary crowd that the Toaster enjoyed. The Flyer was so good, in fact, that when put up against systems costing tens of thousands of dollars more, it still came out on top as the most used and preferred editing system for press at the 1996 Olympics.

So will NewTek abandon the Amiga even now that it's under new ownership and with a promising future? It looked like that for a while when NewTek confirmed in NewTechniques magazine that they had only limited contact with Gateway 2000, which led to nothing.



It's not hard to imagine NewTek giving up the platform that got them started. Will they come out with a PC product and, like LightWave, announce that no more Amiga upgrades will be made? By reading all the above, it might seem that way, but read on.

Just before sitting down to write this article, I learned that Amiga Inc. and NewTek have very recently been talking again. Not only have they had talks, but an Amiga Inc. representative flew down to NewTek's new home in San Antonio, Texas in early September to meet with NewTek face-to-face. A day after the meeting, Amiga Inc. announced that they would be at NewTek Expo 1997 in October (see page 7, Amiga Shows).

Now that communications between the two companies have greatly increased, it appears that the Flyer may be accompanying the Amiga on many journeys to come. This will not rule out developments by NewTek on other platforms, but it may insure that the best upgrades will always be on the system in which the Toaster and Flyer were originally founded.

Note: NewTek can still use some advanced Amiga programmers to work on the next generation of their products. Look in the Action section of the last issue of The Amiga Informer (or The Action section of [www.amigainformer.com](http://www.amigainformer.com)) for more information.

*Joe Tracy is Editor in Chief of NewTechniques magazine and author of the Flyer Mastery Guide. He also runs the HollywoodFX column for the Hollywood Network. He can be reached by email at [jtracy@main.rosenet.net](mailto:jtracy@main.rosenet.net).*

When working on video, if you try to run a program in Productivity mode on a regular television all you get is a black screen. To fix this, flip the Workbench screen to front (Left\_Amiga-N) and pull down the Workbench screen, revealing the other program behind. This approach works well to get at the menus of the running program and select a different screen mode (like Hi-res/Lace) which can then be used on a regular television.



# OASYS . . . Open Architecture For The Amiga

By Fletcher Haug

One of the main topics discussed among those involved with the Industry Council for Open Amiga (ICOA) is something called OASYS. The Open Amiga SYStem concept is a way to move the Amiga towards an open architecture. The Internet is the future, and advances like Java, Object Web and Cobra are making it vital for operating systems to communicate and interact over a wide range of hardware platforms. If the Amiga wants to be in the forefront of these emerging technologies, it must provide standardized access to the OS and dissolve the link between the formal OS and the underlying hardware implementation. In the myriad of OASYS advocates, the OS must be platform independent.

OASYS is envisioned to run on any hardware platform, from 68k, to Intel, to PPC. It will communicate with the underlying hardware through Hardware Abstraction Layers (HAL's) that are

specifically written to a standard computer model by the hardware companies themselves. By implementing this approach, Amiga Inc. could then concentrate exclusively on developing the OS. Once OASYS is running on many different platforms, the superiority of the Amiga operations and functions will be seen by all. This would provide the Amiga market with multiple competing hardware companies and give the Amiga platform world wide exposure and development.

The OASYS has by no means been embraced by Amiga Inc. OASYS, as it stands now is simply a model of a future Amiga OS. It is not cast in stone, nor fully backed by all the ICOA's leadership. It is simply a work in progress and may change.

OASYS marks the beginning of a concerted effort to bring the Amiga back from the brink.



# REBOL . . . New Language Breaks Ground

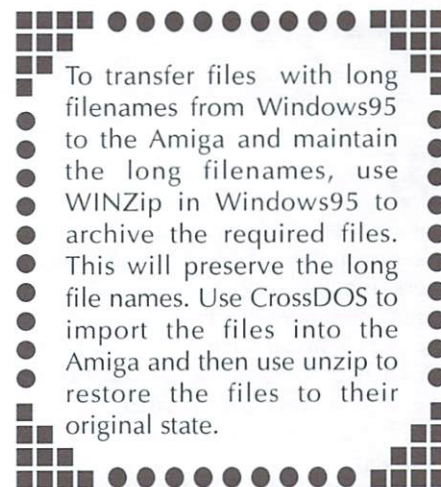
By Fletcher Haug

Carl Sassenrath has released an early prototype of REBOL. The new solution-orientated programming language, initially called LAVA, has not yet been released to the public, but it is going through rigorous testing by a select few dedicated testers. These testers are required to keep their findings secret, but we have learned that REBOL is surprisingly stable. Only a few major bugs have been reported, all of which were immediately stomped. This approach of small group testing as opposed to a general public Alpha release allows the author to make changes as needed, when needed, not after the release of the product to the public. At this point, REBOL is similar to an Amiga shell and doesn't yet have a Graphical User Interface.

Recently, REBOL sent its first words over the Internet by sending the group of testers an email from within a REBOL program. In its simplest form you can send mail just by writing, for example: "send

eldritch@mhv.net What is new? Been a while since we talked." In this example, I would receive an email message that says, "What is new? Been a while since we talked." Of course you could send a prepared file also by typing, for example: "send eldritch@mhv.net load %news.txt," in which case I would receive the pre-written file called "news." You can also send more complete email headers, including multiple recipients, cc, reply-to, subject, etc., using modification of this form. Using REBOL, there is no need to load an email program to send an email, just type a line in a shell and send.

This is only one example of what REBOL is aiming to do. REBOL isn't just limited to email, but the above examples show how REBOL can do useful functions without too much effort. We will bring you more news on REBOL as it develops. Visit URL [www.rebol.com](http://www.rebol.com) for more information on REBOL and the exciting developments of Carl Sassenrath.



To transfer files with long filenames from Windows95 to the Amiga and maintain the long filenames, use WINZip in Windows95 to archive the required files. This will preserve the long file names. Use CrossDOS to import the files into the Amiga and then use unzip to restore the files to their original state.

# New Amiga Video Mag

By Lance Haug

After some delay, the first issue of Legacy video magazine was finally released. Dated summer 1997, Legacy video magazine is brought to you by Jason Compton, publisher of Amiga Report and The Vantage Point video productions. The video covers a wide variety of topics of interest to Amiga users including; news, reviews, and tutorials as well as assorted demos that showcase Amiga video hardware and software.

In this issue (volume 1, issue 1) Jason reads the latest news and announcements from Amiga heavyweights Phase 5, PIOS, Impulse, ClickBoom and others. Products reviewed include the Insert 104 PC keyboard adaptor and the Topolino PC mouse adaptor. The tech shop feature walks you through replacing the power indicator LED in your 4000 tower or desktop. In the tutorial section viewers are instructed in ways to customize Directory Opus 5 buttonbars and menus. As a bonus, video excerpts from the World of Amiga Developers conference in London, the Amiga 97 St. Louis convention and a segment of the best-selling "Death Bed Vigil, part 1" are included. Legacy retails at US \$14.95 for a single issue, or US \$11.95 each in a subscription of 5. Available from Legacy Maker, PO Box 60711, Chicago, IL 60626. Phone 773-465-5158.

<http://www.xnet.com/~jcompton/legacy.html>





# Ethernet

With the dominance of WinTel in the computer world today, it is becoming vital for Amiga users to understand the importance of giving an Amiga network functionality. Networks allow different computer hardware and OS platforms to transcend the troubles of moving files between systems. Networks also allow the user to move data without using size-limiting removable media as the means of transport.

In addition to vastly increased productivity, there are many exciting applications for networked Amigas. An Amiga can be used as a great-looking touch-screen directory node or server, a web server, or as part of a render-farm for rendering large 3D animations. Networked multi-player video games are even becoming popular.

## Connecting to an Ethernet Network

This discussion will focus on the most widely used network topology, called Ethernet, which was developed by Intel, Xerox, and DEC. As many as 90% of all local area networks employ the Ethernet topology.

The simplest form of Ethernet allows computers to be connected at data transfer speeds of up to 10 million bits per second (10 megabits) and faster, or approximately 180 times faster than the industry's fastest analog modems. To connect an Amiga on an Ethernet network, it must use an Ethernet adapter. This adapter provides an additional port which is accessible to Amiga software through the OS. Through this port travels the network-bound data sent or received by Amiga applications. Ethernet can also be used to connect the Amiga with a Wide Area Network, such as the Internet, or a corporate Intranet.

Out-of-the-box, no Amiga has a built-in Ethernet adapter. The most Ethernet-capable Amigas are the A600, A1200, A2000, A3000, and A4000 models, as they contain built-in bus hardware that is ready for Ethernet adapters.

A cabling system is used to connect all the devices (called nodes) together, essentially forming the most crucial "layer" of the network: the Data-link Layer. There are two types of Ethernet cable. The most common, and preferred, cabling is called 10-base-T, which uses four wires in an eight-conductor cable with RJ-45 telephone connectors on each end. The

other cabling, which is much less expensive to implement, but more difficult to manage in larger networks, is called 10-base-2 and uses 50-ohm coaxial cable. The neater, more flexible 10-base-T cabling requires a special broadcasting device, called a Hub, that is necessary if you want more than two computers on the network.

## Networking the A600 or A1200

For the A600 and A1200, Interworks offers a Ethernet adapter called the I-Card. This credit-card sized unit uses the PCMCIA port of the A600 or A1200. Using its accompanying software driver, the Amiga OS can address the I-Card as a network port. The unit sells for approximately US \$300, however its availability has been sparse.

Alternatively, you may wish to attempt to use a PC-compatible PCMCIA Ethernet card. Independent programmers have posted a driver on Aminet ("cnet.device") which claims to allow some PC-compatible PCMCIA Ethernet adapters to work with the A600 and A1200. While this driver is said to work with many NE2000-style PCMCIA adapters, be very careful, as they have the potential to damage the Amiga's PCMCIA slot.

## Networking the A2000, A3000, or A4000

For Zorro-bus-equipped Amigas, including Zorro-equipped A1200 models, there is a large pool of network adapters. Many companies have made Zorro-compatible Ethernet adapters over the years. Although the Commodore A2065 Ethernet adapter can sometimes be purchased used, it may be wiser to buy one of the currently supported adapters such as the Village Tronic Ariadne, or the Hydra Systems Amiganet.

The Hydra Systems Amiganet card is a robust, high-performance card that comes in two implementations—one of which supports 10-base-T, and the other of which supports 10-base-2 only. The 10-base-T implementation of the Amiganet allows you to directly plug in plug 10-base-T cabling. The newer Amiganet card retains its BNC connector for 10-base-2 cabling, too. This card is available from Interworks for approximately US \$290.

The Village Tronic Ariadne Ethernet adapter offers support for both cabling topologies. It also includes connectors for

two additional parallel ports with a driver to support them. The intended purpose of each parallel port is to connect to other Amiga's parallel port(s), to share the Ariadne's Ethernet resource. Note that this requires a separate parallel interface adapter, called the Liana (look for a review of the Liana in the next issue). The Ariadne is available for approximately US \$280 from Village Tronic or a dealer.

PC Ethernet adapters are much less expensive than their Amiga counterparts, and there is a way to use certain inexpensive ISA Ethernet adapters on the Amiga. The Golden Gate Bus is a Zorro card that makes the ISA expansion slots on big box Amigas accessible by the Amiga OS. In essence, Amiga applications can now send and retrieve data through ports provided by cards inserted into ISA slots. Software Results, the makers of the Golden Gate Bus, offers drivers for several inexpensive ISA Ethernet adapters. The Golden Gate bus costs around US \$200 and the drivers are free.

## Notes on SANA-II

In order to be accessed by standard Amiga networking applications, an Ethernet adapter device driver must be SANA-II compliant. SANA stands for Standard Amiga Networking Architecture. All the network drivers for the devices discussed above are considered to be SANA-II compliant. Your Amiga will need to be running at least OS 2.04 to be networked with SANA-II drivers.

Any software that is programmed to use SANA-II adapters' drivers can use your Ethernet adapter or Liana adapter. So a networking software package like AmiTCP/IP 4.0, Miami, or Termite/TCP would allow you to access the Internet or a local area network via Ethernet. The Oxixi Novell NetWare client package would allow you to access local area network resources such as printers and volumes managed by a NetWare server. Your web browser, FTP client, email program, and even network-ignorant applications like paint programs, can all benefit by using Ethernet network resources.

In the subsequent installments of this column, we'll discuss the protocols involved with networking and the applications that are used to manage the network environment.





# A Web-II™

The Amiga Web Browser!

New! v3.0



with  
HTTP text - Print/Save,  
AWebMailto, AWebNews,  
FTPMount, Play16, AReXX  
macros, & many new features

Including  
**HTML-Heaven™**

Now, you can make your own Web pages!

**AWeb** Requires Workbench 3.x,  
3MB or more Ram, Hard  
Drive, & TCP/IP software.

## All new AWeb-II v3.0!

Now with full frame & table support, new Hotlist Manager, User configurable buttons & popup menus, internal FTP, Clipboard support, expanded AReXX commands, enhanced Cache browser & cookie support, new page Info window, a new public plugin API for external programs supporting animation and other additions, sound player, graphical & text printing, online news reader, edit source function, new settings windows, improved search function, server push / client pull support, proxy authorization, and much more!

Upgrades available, see our web page for more info!

SCSI-TV & SCSI-TV570  
Hard Drive controllers for the CDTV & A570 CD-ROM!

# AmiTriX Development

Email: sales@amitrix.com  
Phone / Fax: +1 (403) 929-8459  
Web Pages: <http://www.amitrix.com>  
5312 - 47 St., Beaumont, AB, Canada T4X 1H9



**Amiga-Link**  
The Network solution for all Amiga models!

Amiga Envoy

Installation & Operation Manual

AmiTriX Development

**Amiga-Link with Envoy2.0b**  
The peer-to-peer Networking system for all Amigas!  
Uses external floppy port, connects up to 20 Amigas reliably, shares printer, faster than par/ser network.

**Tell them you saw their ad in The Amiga Informer!**

Shop our secure online store for a bigger selection & more information about each product at [www.sharbor.com](http://www.sharbor.com) or call 800-544-6599



### Safe Harbor Top Ten

- Art Effect upgrade 1.0-2.0 .... \$89
- Aminet Set #5 CD ..... \$29
- drawSTUDIO 2.0 CD ..... \$155
- CyberVision64/3D 4MB ..... \$289
- Wiz Mouse Beige ..... \$29
- Image F/X 2.6 ..... \$255
- Studio Printer II V2.14 ..... \$70
- AWeb-II 3.0 ..... \$45
- Flyer Mastery Guide ..... \$58
- SAS/C Development System \$49

We also carry high quality Amiga products from:

- AmiTriX, Consultron, DKB,
- Haage & Partner,
- MacroSystem, Micro R & D,
- NewTek, Nova Design, Ozware,
- Visual Inspirations, and others.

# 100% AMIGA Computing since 1985

"I Feel Like I'm  
Caught In A Web"  
[www.li.net/~hardware](http://www.li.net/~hardware)

*I Think,  
Therefore  
I Choose AMIGA*



Created with AMIGA

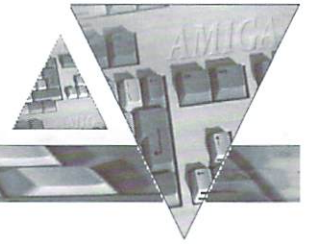
100%  
AMIGA  
COMPUTERS



Call or fax us on our AMIGA based PhonePak voice mail & fax system, Hours 2:00 PM to 8:00 PM ET  
**516-234-8110**  
A.M.U.G. BBS is open 24 hours, 7 days a week.  
9600 Baud  
516-234-6046  
Reach us on the Internet  
email: [hardware@li.net](mailto:hardware@li.net)



# Announcements



*The descriptions and opinions stated in this column are not necessarily those of The Informer. We are not responsible for the validity of these announcements.*

## Aminet Set 5 and Volume 20

From: Schartztruhe

Stefan Ossowskis Schartztruhe released Aminet Set 5, dated June 1997. Aminet Set 5 consists of nearly 4 gigabytes of software contained in over 7,400 archives. Set 5 includes all files uploaded to Aminet since the release of Set 4 and features the latest and unrestricted version of OctaMED SoundStudio. Set 5 also includes 1 gigabyte of data that has not appeared on any of the regular Aminet CD-ROM releases. Likewise, Aminet CD 20, dated August 1997, is the latest compilation in the long series of bimonthly CD releases from Schartztruhe. Aminet CD 20 includes 1 gigabyte of software in thousands of files and features a special registered version of Wildfire, an amazing animation editor. Like all the Aminet CD releases you will find a smooth, familiar interface which allows the user to easily find, retrieve, and decompress the contained software. The Aminet series of CD releases are considered by many to be the standard by which all other compilation CD's are compared. You can find the Aminet series of CD's from most Amiga dealers and retailers.

## Turtle Lightning's New Website

From: Patheon Systems

Email: tutleguy@apex2000.net

URL: [www.ole.net/~chaos/tlas](http://www.ole.net/~chaos/tlas)

Turtle Lightning Amiga Software (TLAS) now has a fantastic website! If you're looking for one-of-a-kind Amiga ware or are having a hard time finding that favorite out-of-print game, you should look no further. Turtle Lightning carries a gigantic stock of great legacy software, new in the box, as well as a wide selection of new titles, too. The TLAS web site includes a high-contrast, 16-color version, aimed at low-color displays, and a 256-color version, geared for

AGA and video card users. Also included are complete on-line order forms, shipping information, and complete descriptions of hundreds of Amiga software products. This site was created using Amiga computers by Pantheon Systems Company. Contact: Ted Wallingford ([twalling@mich.com](mailto:twalling@mich.com)) or Duane A. Leininger II ([chaos@ole.net](mailto:chaos@ole.net)), for more information on Pantheon Systems.

## AEMail v1.30

From: John Zacharias

Email: [jzachar@calweb.com](mailto:jzachar@calweb.com)

URL: [www.calweb.com/~jzachar](http://www.calweb.com/~jzachar)

AEMail 1.30 is a major update version of AEMail which fixes a number of bugs in v1.21 and adds several new Clipboard features including: Improved Clipboard which allows for copying and pasting to all string entry gadgets, support of multiple clipboard units, and full display of the contents of all currently active clipboard units; a Save Text button providing a number of options including a view, save file, save clip, and clip unit; and a modified Attachment requester with options for saving to the clipboard. The next major update to AEMail will implement message filtering. The shareware version of AEMail has certain restricted or limited features. By registering you'll get: enhanced speed on message displays; ability to use multiple signature files; ability to add user defined headers to a message; ability to shrink or expand group entries in Address Book displays; and password protection for separate configurations. Later versions of AEMail are planned which will provide: ARexx support; asynchronous retrieval of messages from a POP server; asynchronous sending of messages to the SMTP server; faster message display routines; a built in message editor; and other features suggested by users.

## FutureShock 2 Audio CD

From: Sidewinder Productions USA

Email: [sidewind@txdirect.net](mailto:sidewind@txdirect.net)

URL: [www.txdirect.net/~sidewind](http://www.txdirect.net/~sidewind)

Future Shock 2 was created and pro-

duced on the Amiga computer, and features 74 minutes of pure, electronic music. All the songs on this CD were created using Pro-Tracker 1.3, MED 3.21, and Audition IV. The mastering and recording was done directly from an A2000 and was a first for being 100% Amiga recorded and edited. The cover art of the CD was rendered using an A1200 with Light Wave 2.0. It contains a total of 14 tracks of mostly hi-energy electronic and dance music. Many of the songs on Future Shock were played at clubs and radio stations throughout both North America & Europe while it was being independently distributed and marketing by the composer, Eric Gieseke. Also included on the CD is the song found with the great shareware game "Scorch Tanks" by Michael Welch.

Future Shock 2 has been reviewed in Amiga Computing, Amiga Shopper, and Axis, as well as an upcoming issue of Electronic Musician. The album has a retail price of US \$12.95, but is being offering at US \$11 to every Amiga owner. It is also being marketed directly to Amiga User Groups, stores and retailers internationally at US \$35 for a 5 CD pack. Anyone interested can contact at the above email or URL addresses.

## Paxtron Authorized MicroniK Distributor

From: Paxtron Corp.

Email: [paxtroncorp@rcknet.com](mailto:paxtroncorp@rcknet.com)

URL: [www.paxtron.com](http://www.paxtron.com)

Phone: 914-578-6522

Orders: 888-PAXTRON

MicroniK Computer Service of Germany, the makers of the Infinitiv Tower System, appointed Paxtron Corp. an authorized distributor of their products in the US. Now under license of Amiga International, the new MicroniK Infinitiv Tower System offers a professional Amiga-based multimedia solution. Paxtron offers all 3 models ranging from the basic non-Zorro A1300 Tower to the Zorro III equipped A1500 Tower. In addition, Paxtron offers a full range of accessories for the tower, which allow for im-





plementation of a vast array of configurations. Paxtron offers its customers the MicroniK towers in the NTSC version and is making a special offer to their customers. The first 100 people to purchase a MicroniK Tower will receive the Advanced Amiga Analyzer diagnostic evaluator completely free.

Paxtron also offers a wide variety of Classic MicroniK Towers that can house anything from an A500 to an A4000 and add Zorro slots, PSU, PC keyboard adapters and more. Paxtron will be establishing dealers throughout the US. Direct orders can be sent to their toll free number listed above.



## And More

Here's a short list of some of the many products that have recently been released or that will soon be released:

Amigo A1200 MMS – tower conversion case  
 AmIRC v1.65 – premier IRC client update  
 Apollo 1266 – 66 MHz 060 accelerator  
 ArtStudio v2.5 – image processing  
 Cinema 4D v4.2 CD – 3D graphics  
 DanNews 1.6 – NNTP news unbatcher  
 Digi Pen 303 & 606 – graphics tablets  
 Directory Opus Magellan – maintenance upgrade  
 Epic Collection 3 – compilation CD  
 Forgotten Forever – action wargame  
 Genlock MG-10 & MG-25 – video genlocks  
 GFXLab24 – 24-Bit image processing  
 On Escapee – adventure game  
 STFax v2.90 – facsimile software  
 Surface Effectors – LightWave Shader effect plug-in  
 Sword – platform game  
 TechnoSound Turbo 2 – sampling package  
 Touch Typist – typing tutor  
 Viper 630 – A600 030 accelerator  
 Viper Mk 4 – A1200 030 accelerator

### Ooops . . .Correction

The phone number listed for SoftLogik in the last issue was incorrect. The correct number is: 314-305-7878.

**AmiCON** The Amiga Central Ohio Network proudly presents



# THE 1997 MIDWEST AMIGA EXPOSITION

*a gathering of users from far and wide...*

November 1st and 2nd

The Concourse Hotel -  
 Grand Ballroom  
 4300 International Gateway  
 Columbus, Ohio  
 at the Port Columbus Airport  
 (614)237-2515 or  
 1-800-541-4574

***The Premier  
 Amiga Event  
 of the Year!***

*with representatives from*  
**Amiga Inc.**  
**Nova Design**  
**Intangible Assets Manufacturing**  
**Aurora Works**  
**GamaSoft**  
**Compuquick Media Center**  
**Amazing Computing**  
**Amiga Report**  
**Amiga Informer**  
*and more Amiga User Groups  
 than we can list here!*  
**Sign up now! Space is going fast  
 with more signing up everyday!**

**With Special Guest:**

***Petro Tyschtschenko, President of Amiga International***

**Meet Famous Amiga Celebs! Door prizes!  
 Seminars! Amiga DevCON Meeting!  
 Great bargains on all your Amiga needs!  
*whatever you do...***

***DON'T MISS THIS SHOW!***

For tickets and table rental contact:

**Dave Pearce - dpearce@infinet.com or Ronn Black - rblack@itsnet.net**

Visit our website <http://www.amicon.org> for the latest information

and use our on-line form to sign up or call (614)751-0232 for more information

Now at a Special Price Exclusively for Amiga Informer Subscribers

## The World's Best **AMIGA** Joystick

The aliens are attacking. Your last man standing is about to be overrun. You need a reliable weapon or you're going to be toast.

These Clear Gravis Limited Edition Joysticks, have eight tension settings, full sized foam padded pistol grip handle, three ultra fast microswitch fire buttons, with switchable autofire, and a soft six foot cable. They're Brand new, built to last, and fully guaranteed.

Call 516-234-8110 x7 or Email [hardware@li.net](mailto:hardware@li.net)



Gravis no longer makes any Amiga Joysticks. Just 220 Joysticks were left when Mr. Hardware Computers bought the last batch. Less than 90 Joysticks are in stock. While they last, we're offering them to Amiga Informer subscribers for just \$25.00 + \$2.00 S&H.





# Software Hut

# AMIGA

Folcroft East Business Park 313 Henderson Dr Sharon Hill, PA 19079

softhut@erols.com

Info 610-586-5703  
Tech 610-586-8640  
FAX 610-586-5706

## Orders 800-93-AMIGA

Hours: Mon-Fri 9 to 6  
Sat - Sun Closed  
FAX 610-586-6416

All our customers worldwide can now reach us by E-Mail. We always respond within 24 hours on Quotes & Technical Info, and ship orders the same day. Our address is softhut@erols.com

### NewTek

Lightwave 5.0 Amiga	\$1149.00
Lightwave 5.5 Intel	Call
Lightwave 5.0 Upgrade Amiga	289.95
Lightwave 5.5 Upgrade Intel	469.95
Video Toaster 4.1 Upgrade CD	499.95
Video Toaster 4000	2079.95
Video Toaster Flyer	4195.00

### Power Supplies & Expansion Boards

A2000 300W Power Supply	\$149.00
Megalosound	57.95
Pro Midi	42.95
A2000 Replacement Power Supply	109.00
Big Foot CD-32 Power Supply	79.95
Squirrel SCSI-2 PCMCIA Card	94.95
Surf Squirrel PCMCIA Card	139.95
The Siamese System 2.0 RTG	369.95
Buddha EIDE Z2 Controller	84.95
CAT Weasel Z2	139.95
DataFlyer CDS-XDS	89.95

### Custom Chips

1Mb Agnus 8372A	\$34.95
Super Denise 8373	29.95
CIA 8520 Chip	11.95
Paula or Denise Chip	16.95
Lisa IC	39.95
Alice IC	39.95
Eproms 2630 Rev 7	36.95
Eproms 2091 Rev 7	34.95
1.3 ROM Chip	13.95
2.04 ROM Chip	22.95
2.05 ROM Chip	26.95
Guru ROM v6 GVP A500 series	71.95
GuruROM GVP or A2091 (Spec)	63.95
W. D. SCSI Chip Rev 8A	32.95
CIA 8520 Surf. Mount Chip	23.50
Super Buster Rev 11	29.95
Ramsey Rev 7	29.95
Paula Surface Mount	42.95
Super Dmac Rev 4	42.95
Bridgette	29.95
Video DAC	24.95

For other custom chips, call or visit our web site.

### A500 Peripherals

BigFoot 200W P.S.-A500-600-1200	\$84.95
Commodore A500 Power Supply	49.95
A500 Internal Replacement Drive	44.95
Saturn External Floppy Drive 880K	89.00
A501 RAM Expansion Board	33.95
AlfaPower Plus	159.00
AlfaPower Plus Other Configs	Call

### Phase 5

Blizzard 1230-IV w/50Mz CPU	\$199.95
Blizzard 1260 Turbo Board	129.95
Blizzard 12x0 SCSI Module	569.00
Blizzard 603e PowerPC 175Mz	729.00
Blizzard 603e PowerPC 200Mz	499.95
Blizzard 2040 T/ERC w/SCSI	769.95
Blizzard 2060 w/SCSI	929.00
Blizzard 2604e PowerPC 150Mz	1029.00
Blizzard 2604e PowerPC 180Mz	1139.00
Blizzard 2604e PowerPC 200Mz	44.95
CyberGraphx Software	279.95
Cybervision 64 3D 4Mb	189.95
MPEG Decoder for CV64 3D	124.95
Scan Doubler Switch for CV64 3D	449.95
Cyberstorm 040/40 Mk2	749.95
Cyberstorm 060 Mk2 3000/4000	139.95
Cyberstorm SCSI	899.00
Cyberstorm PowerPC 150Mz	999.00
Cyberstorm PowerPC 180Mz	1099.00
Cyberstorm PowerPC 200Mz	

### GVP-M

DSS 8+ 3.0 Software	\$94.95
DSS 8+ 3.0 Upgrade Software	29.95
I/O Extender - 2 Serial, 1 Par.	114.95
A1291 SCSI Module	99.95
A1200 SCSI+RAM 33Mz	134.95
G-Lock Genlock NTSC	349.95
G-Lock Genlock PAL	364.95
A4000 Desktop Board	899.95
A2000 T-Rex Board	849.95
A2000 Combo Board	399.95
A4008 Controller Card	129.95
2Mb Increment	34.00

Original GVP made SIMMs for all older GVP boards:  
4Mb - \$69.95  
16Mb - \$139.95

### Modems & InterNet

Sporster 56K x2 Fax Modem	\$224.95
Supra Expr's 33.6 V34 FAX Modem	119.95
Supra Express 56K x2 Modem	189.95
Supra FAX Modem 33.6 V34	184.95
Sporster 33.6 FAX Modem	159.95
Prac. Periph. 14.4 FAX Modem	59.95
JR Comm Terminal Software	5.00
Termite	39.95
Termite TCP	41.95
GP Fax Software - Class 1 & 2	49.95
Help Amiga Get On I'net Video	34.95
IBrowse 1.1	41.95
AWeb 3 w/HTML-Heaven	41.95

### Village Tronic

Main Actor Broadcast	\$169.95
Ariadne	239.95
Ami TCP/IP v4.x	89.95
Picasso to 1080/1084 Cable	34.95
Liana Network	76.95
Liana Network 5M	86.95
Picasso 4	439.95

### Flat Bed Scanners

Epson Action Scanner 2, 1200 DPI	\$319.95
Epson ES1000 Scanner, 1600 DPI	559.95
Mustek Scanner	259.95
ScanQuix 3 Scanner Software	114.95

### Video Products

Personal Anim. Recorder, Amiga	Call
Personal TBC 4	\$829.00
Vidi Amiga 24 RT Pro	299.95
Graffiti Graphics Box	99.95
Video Magician	289.00
Super Scan	159.95
Super Scan Flicker Fixer	134.95

Call **CD-32 In Stock**

For the latest Products, Prices, Detailed Info, Tech Support, & Amiga News, visit our Web Site at [www.softhut.com](http://www.softhut.com)

### CD-ROM Drives

Mitsumi 4X SCSI CD-ROM Drive	
Internal model	\$79.95
External model	\$129.95
Pioneer 12X SCSI CD-ROM Drive	
Internal model	\$149.95
External model	\$209.95
Toshiba 12X SCSI CD-ROM Drive	
Internal model	\$149.95
External model	\$209.95
Sony CDU-926S 6x Read/2x Write Recordable SCSI CD-ROM Drive	
Now you can inexpensively record your own CD-ROMs.	
Internal model	\$379.95
External model	\$459.95

### Apollo

A500 / 2000	
2Mb Chip RAM Board	\$154.95
A600	
630/33Mz 68030	\$189.95
630/50Mz 68030	234.95
A1200	
1260/50Mz 68060	\$589.95
1240/25Mz 68040	299.95
1240/33Mz 68040	339.95
1240/40Mz 68040	369.95
1230/50Mz 68030	194.95
1230/40Mz 68030	174.95
1230 Lite 25Mz CPU + FPU	119.95
1200 SCSI Module	99.95
Cat Weasel Adv. Floppy Contr.	114.95

### A2000

2030/25Mz 68030 w/SCSI 2	\$239.95
2030/50Mz 68030 w/SCSI	289.95

### A3000/3000T

3060/50Mz 68060 w/SCSI 2	\$679.95
--------------------------	----------

### A4000/A4000T

4060/50Mz 68060 w/SCSI 2	\$649.95
CAT Weasel for A4000	114.95

### CD-32

SX32	\$229.95
SX32 Pro 030/33Mz	399.00
SX32 Pro 030/50Mz	439.00

### Storage Devices

Zip Drive SCSI External	\$159.95
100Mb Removable Disk	15.95
100Mb Disks (3Pack)	44.95
Zip/Jaz Tools Software	24.95
Jaz Drive, 1Gb internal	309.95
Jaz Drive, 1Gb external	409.95
1Gb removable disk	89.95
1Gb rem. disks - 5 Pack	424.95
3.5Mb Super XL Ext. Drive	209.95
Power Computing 1.76 XL Ext.	134.95
All Hard Drives	Call

Memory, CPUs & FPUs  
Call! Prices changing daily.

## Software Hut Authorized Amiga International Distributor

We are happy to report to our customers that Software Hut has been appointed national distributor for Amiga International for OS 3.1 and A1200 computers. You can check out all the latest info on Amiga International's Web site at [www.amiga.de](http://www.amiga.de)

### A1200 Computers

A1200 w/Magic Bundle	\$539.95
A1200 w/260Mb HD Magic Pack	\$649.95
220 Volt PAL models are available - Please Call	

### 3.1 Kits

AS320 3.1 Kit for the A500, A2000, & A2500	-\$94.95
AS330 3.1 Kit for all A3000s	\$106.95
AS340 3.1 Kit for all A4000s	\$106.95
AS312 3.1 Kit for all A1200s	\$106.95
AS306 3.1 Kit for all A600s	\$94.95

3.1 ROM for A500, A600, A2000 (Specify)	\$37.95
3.1 ROM set for A3000, A4000, A1200 (Specify)	51.95
3.1 Manuals & Disks (no ROM)	58.95

### AM-TRADE High Density Drives

A4000, or A4000T	-\$109.95
A2000 series	-\$114.95
A1200 series	-\$114.95
NEW Amtrade External High Density Drive	-\$134.95

### Input Devices

Mindscape Powerplayers Joystick	\$9.95
The Bug Joystick.	18.00
Alfa Data 2 Button Mouse, 300 DPI	19.95
Alfa Data Mega Mouse, 400 DPI	26.95
Alfa Data 3 Button Mouse	27.95
Wizard 560DPI Black 3 But Mouse	24.95
Wizard 560DPI Beige 3 But Mouse	24.95
CBM CD-32 Joypad	14.95
Logic 3 Action Joypad	19.95
Golden Image JP-100 Pen Mouse	19.95
Amtrac Trackball	69.95
Golden Image Trackball	49.95
WICO Black Max Joystick	7.95
PawsTrac MicroTrackball	49.95
4 Player Joystick Adapter	12.95
KB100 Adapter for AT Keyboard	49.95
Wacom ArtZ-2 12x12 Tablet	569.00
Topolino PC Mouse Adapter	42.95

### Quik Pak A600

A600 w/65Mb Seagate HD installed	-\$299.95
A600 w/Software	\$239.95
A601 1Mb Chip RAM w/Clock	\$69.95

### A4000T

We have excellent pricing on bundled options including: RAM, Toaster, Flyer, larger Hard Drives & CD-ROMs. Call, FAX, or E-Mail your configuration for the best factory installed pricing.

A4000T 060/50Mz/6Mb/1Gb HD	\$2599.00
A4000T 040/25Mz/6Mb/1Gb HD	\$1899.00

### Micronik Towers

We are now carrying the new towers from Microniks. They are officially licensed from Amiga International.

A1200 Infnitiv Tower case	\$299.95
1300TI Infnitiv computer	649.95
1400TI Infnitiv computer	849.95
A2000, 3000, and 4000 classic tower cases	Call
Other products/accessories	Call



Megachip A500/2000	\$184.95
Cobra 1240 33Mz RC CPU	149.95
Cobra 1240 40Mz EC CPU	169.95
Ferret SCSI-2 Cobra/Mongoose	84.95
FPU and RAM prices	Call
SpitFire SCSI2 Controller	79.95
RapidFire SCSI2/RAM Controller	139.95
WildFire 060 50Mz for A2000	1279.00
Inferno PCI Graphics Card for WF	Call
KB128 RAM Exp. AS/4000 OK	229.95
The Clock A1200	17.95



Info 610-586-5703  
 Tech 610-586-8640  
 FAX 610-586-5706/6416  
 Hours: Mon-Fri 9 to 6  
 Sat - Sun Closed

# Orders Software Hut

## CD-ROM Software Titles

NEW, lower pricing and NEW titles. Purchase 4, or more, and receive FREE SHIPPING.

3D Arena	\$37.95	Light ROM Gold	24.95
3D CD-2 Images	14.95	Magic Publisher	49.95
3D CD-1 Objects	14.95	Magic Workbench Enhancer	26.95
17 Bit Continuation CD	12.95	Maximum MODS Volume 1	25.95
17 Bit 5th Dimension	18.95	Meeting Pearls 3 or 4 (Specify)	13.95
17 Bit Phase 4	12.95	Mick Davis' Cartoon Clipart	Call
17 Bit & LSD Comp. 1, 2 (Spec)	12.95	Micro R&D Volume 1	25.00
17 Bit & LSD Comp. 3	22.95	Micro R&D Volume 2	40.00
1078 Weird Textures	19.95	Micro R&D Vol 3 or Vol 4 (Specify)	14.95
3000 JPEG Textures	22.95	Micro R&D Volume 5	44.00
A Long Hard Day on the Ranch	9.00	MODS Anthology	36.95
Advanced Military Systems	6.00	Movie Maker Special FX 1	44.95
AGA Experience	24.95	Moving Gives Me a Stomach Ache	9.00
AGA Experience 2	14.95	Moving Textures 100, 200 (Spec)	239.00
AGA Experience 3	24.95	Mud Puddles	10.00
AGA Toolkit 97	17.95	Multimedia Backdrops	24.95
Amiga CD Sensation 1 - Demos	15.95	Multimedia Toolkit	10.95
Amiga CD Sens. - Golden Games	15.95	Multimedia Toolkit 2 (2CDs)	26.95
Amiga Developer CD v1.1	17.95	Music MODS & Sound Samples	8.95
Amiga Emulator for PCs	32.95	NetNews Offline 1 or 2 (Specify)	16.95
Amiga Repair Kit	45.95	Network CD 1 or 2 (Specify)	19.95
AmiNet Share 4	7.50	Network Cable CD32 to Amiga	30.00
AmiNet Set 1 or 2 (Specify)	32.95	Nothing but Tetris	14.95
AmiNet Set 3 or 4 (Specify)	37.95	Octamed 6	12.95
AmiNet Set 5 NEW	37.95	Octamed Sound Studio	24.95
AmiNet 8, 9, 10, 11, 12 (Specify)	17.95	OnLine Library	19.95
AmiNet 13, 14, 15 (Specify)	17.95	Pandoras CD	9.95
AmiNet 16, 17, 18 (Specify)	17.95	Paperbag Princess	10.00
AmiNet 19, 20 (Specify)	19.95	Personal Paint 7.1	69.95
AMOS PD 2	21.95	Personal Suite from Cloanto	59.95
Amy Resources - US Edition, Vol 1	24.95	PhotoCD Manager	33.95
Anime Babes	28.95	Print Studio Pro	37.95
Arcade Classics Plus	23.95	Pro Pics	24.95
Artworx	12.95	Psycho Killer	8.00
Assassins Games	8.95	Retro Gold: Emu-late	22.95
Assassins Games 2 or 3 (Specify)	22.95	SFX Volume 1 or 2 (Specify)	29.00
Audio Thunder	69.95	Scene Storm	24.95
Beauty of Chaos Fractals	15.95	Sci Fi Sensation v2	28.95
Blanker Collection	19.95	Solar System Kit for LW	84.95
C64 Games 97	Call	Sounds Terrific 1	12.95
C64 Sensations Volume 2	26.95	Sounds Terrific 2	17.95
Card Games	22.95	Speccy CD 97	27.95
CD PD 1	8.00	Sports Football CD-32	6.00
CD PD 2, 3, 4 (Specify)	24.00	Strip Poker	12.95
Clip Art & Fonts	9.95	Surface Pro & Pro Textures Combo	55.95
Clipart Warehouse 1, 2 (Specify)	18.00	Syndesis 3D ROM v1, v2 (Specify)	79.95
Colour Library	15.95	System Booster	32.95
Corporate Video Backgrounds	118.95	Ten on Ten (10 CDs)	49.95
DataMix	16.00	Texture Heaven 2	12.95
da Capo Mods & Sounds	22.95	TTOH Business, Politics & Media	15.00
DEM ROM	22.95	Town With No Name	5.00
Demo CD 1, 2 (Specify)	24.00	Turbo Calc 2.1 CD	12.95
Desktop Video CD 2	29.95	TurboCalc 4.0	64.95
<b>Distant Suns 5.01 CD NEW</b>	<b>49.95</b>	Universal 3D ROM	137.95
EMC-Phase 1 or 2 (Specify)	33.95	UltraMedia 1 & 2 (2 CDs)	21.95
Emulators Unlimited Plus	26.95	Utilities Experience NFA	19.95
Encounters: The UFO Phenomenon	19.95	Utilities Volume 2	29.95
Epic Interactive Encyclopedia 1997	46.95	Visual FX LW 1, 2 (Specify)	129.00
Epic Collection 3	34.95	Visual FX for ImageFX	129.00
Epic Paranormal Encyclopedia	39.95	Weird Science Clip Art	14.00
Eric Schwartz CD-Archive	19.95	Weird Science Fonts	14.00
Euro CD Vol 1 or Vol 2 (Specify)	19.95	Weird Science Animations	19.95
EuroScene	8.95	Weird Science Demo Mania 1	20.00
EuroScene 2	18.95	Weird Science UPD Gold	26.95
Eyes of the Eagle	9.00	Women In Motion	9.00
Fantaseas	22.95	Women of the Web	39.95
Fractal Pro Image Library	19.95	WordWorth 6	79.00
Fresh Fonts Vol 2	24.00	WordWorth Office	99.00
Gamer's Delight 2	24.95	Workbench Add On	27.95
Gateway 1 or 2 (Specify)	18.95	World Atlas from Wisedrome	39.95
Geek Gadgets	19.95	World Info	45.95
Geek Gadgets 2	24.95	World of Clipart Plus	24.95
GFX Sensations	16.95	World of Photo	19.95
GIF Gallery Vol 1	22.00	Wrath of the Demon	5.00
GIF Sensation	24.95	XiPaint 4.0	55.95
Giga Graphics	39.95	Zoom Release 2	32.95
Global Amiga Experience	26.95		
Gold Fish 2, 3 (Specify)	16.95		
Guinness Book of World Records	6.95		
Hidden Truth	44.95		
Horror Sensation	26.95		
Hottest 4, 5, 6 (Specify)	24.95		
Hound of the Baskervilles	8.00		
Humanoid LW or Imagine (Spec)	159.95		
ImageVision	184.95		
Imagine PD 3D	23.95		
Insight: Dinosaurs	14.95		
Insight: Technology	8.95		
Interior Design Collection	169.00		
Internet's Avalon CD-ROM	44.95		
Into the Net (2 CDs)	21.95		
Kara Fonts Complete Collection	64.95		
Learning Curve	21.95		
Light ROM 3 or 4 (Specify)	39.95		

### NEW p.OS

Hot, new Operating System  
 is now in stock - **\$29.95**

## Amiga Technology Monitors

We are pleased to announce the exclusive North American Distribution of Amiga Technologies Monitors. These are Highest Quality monitors, made especially for your Amiga. 1 Yr Warranty through Electrohome, in the USA.

### M1438S Amiga Monitor

- 14" CRT Hi-Res Color Monitor
- Short Persistence Phosphors
- .28mm DP • 40Mz Bandwidth
- 15-40Kz Horizontal Frequency
- 45-90Hz Vertical Frequency
- Universal 100-240 VAC 50/60Hz
- Amplified Stereo Speakers

**\$349.95**

15 to 23 pin Adapter \$26.95  
 Sync Strainer Adapter 46.95  
 Pro-260 Amplified Multi-Media 60w Speaker System 39.95

### M1764 Amiga Monitor

- 17" Diagonal FST Invar mask
- .28mm DP • 85Mz Bandwidth
- Anti-Static AR faceplate finish
- 15-64Kz Horizontal Frequency
- 45-125Hz Vertical Frequency

**\$679.95**

### Toshiba 20" Multiscan

S-VHS, RGB, Comp., Audio, Sub-Bass 20W Stereo Speakers, Dark Flat Screen, 181 channel Tuner.

**\$449.95**

## Productivity - Utilities

Address It! 1.5	\$26.95	Image FX 2.6	229.95
Air Mail 4 Email	39.95	ImageMaster R/T	69.00
AmiPC Power Mouse Software	18.95	InfoNexus 2 w/DataNexus	59.95
AmigaVision Professional	24.95	InterNet Starter Package	27.95
Art Effect 1.5	109.00	International Flow Charter	23.95
Art Effect 2.0	179.00	Link It!	49.95
Art Effect SuperView	45.00	Magic Lantern v2	94.00
Art Effect Power Effects	45.00	Make Path 2.10	29.95
Artworks Clip Art Library	22.95	Master ISO from ASIMware	174.95
<b>ASIM 3.x upgrade for 2.0</b>	<b>39.95</b>	MaxDOS 2.5	79.00
<b>ASIM CDFS CD-ROM Driver v3.x</b>	<b>59.95</b>	Media Magic	79.95
AWeb 3 w/HTML Heaven	44.95	MegaBall 4	19.00
Batch Factory	49.00	MR Backup 2.5	45.00
<b>Blitz Basic 2.1</b>	<b>49.95</b>	<b>Money Matter by Digita</b>	<b>39.95</b>
<b>Brilliance 2.0</b>	<b>124.95</b>	<b>Network PC</b>	<b>32.95</b>
Cinema 4D v3	239.00	On the Ball v1.5	35.00
Composite Studio Pro	149.95	Organizer by Digita	39.95
Control Tower	139.95	PageStream 3.2	159.00
Co-Pilot Audio or Video (Specify)	99.00	<b>PC Task 3.1</b>	<b>49.95</b>
Cross DOS v6	46.95	<b>PC Task 4.2</b>	<b>94.95</b>
Cross MAC	79.00	<b>MS-DOS 5.0 3.5" HD Version</b>	<b>9.95</b>
Decision Maker	199.00	<b>Pagestream 2.2SE</b>	<b>49.95</b>
<b>Deluxe Music 2</b>	<b>59.95</b>	<b>PCx Software PC Emulation</b>	<b>69.95</b>
Design Works 2	29.95	Pegger 2.0	29.95
Desktop Magic	28.95	Pixel 3D Pro 2.1	195.00
Diavolo Backup Professional	98.00	Power Macros/Lightwave	89.95
<b>Dice 3.2</b>	<b>89.95</b>	<b>Premium</b>	<b>46.95</b>
Digital Universe	89.95	<b>ProMix</b>	<b>Call</b>
Directory Opus 5.5	69.95	Pro Vector 3	179.00
<b>Directory Opus Magellan</b>	<b>79.95</b>	Quarterback 6.1	49.95
DirWork 2	59.00	Quarterback Tools Deluxe 2.02	49.95
Disk Magic	54.95	Quarterback + Tools Bundle	74.95
<b>Disk Salv 4</b>	<b>29.95</b>	<b>Render FX</b>	<b>Call</b>
<b>Distant Suns 5.01 CD NTSC</b>	<b>49.95</b>	<b>SAS/C 6.51</b>	<b>69.95</b>
<b>Distant Suns 5.02 CD PAL</b>	<b>49.95</b>	<b>SCALA Backgrounds 2 or 3 (Specify)</b>	<b>12.95</b>
Distant Suns 5.02 Floppy	52.95	<b>SCALA MM400</b>	<b>199.95</b>
DJ Helper 2	59.00	<b>SCALA MM400 upgrade for MM300</b>	<b>69.95</b>
Draw Studio 1.1	129.00	Scene Maker 4.0	39.95
Draw Studio 2.0, 3.5"	124.95	Scenery Animator 4.0	58.95
Draw Studio 2.0 CD	158.00	Secal Programming Language	49.95
Easy Ledgers 2	149.95	Sequencer One+	35.00
EnPrint 2 Epson Stylus Color Driver	34.95	Snap Maps: Building Materials	124.95
Envoy 2.0	39.00	Snap Maps: Fields & Foliage	124.95
Family Connections	34.00	Soft Talk	7.50
Fiber Factory	79.95	Squirrel Zip/Jaz Tools	24.95
Final Calc	134.95	Storm C 2.0	375.00
Final Data Release 3	59.00	Storm Wizard	84.95
Final Writer 97	112.95	Studio Printer 2 v2.14	85.00
Final Writer Lite	59.95	Super HP-DJC 3 or HP-LJ4 (Spec)	37.95
Fractal Pro 6.10 w/FPL v1 CD	85.00	Surface Pro	55.95
Fusion	69.95	<b>Tableau LT Driver</b>	<b>31.95</b>
GameSmith Development System	68.00	<b>Termite TCP</b>	<b>41.95</b>
GeoMorph 1.0	49.95	Terra Form 2.10	29.95
Gigamem 3.x	58.95	Turbo Print Pro 5	69.95
HiSoft Basic 2	94.95	Twist 2 Relational Database	119.95
<b>IBrowse 1.1</b>	<b>41.95</b>	TypeSmith 2.5	69.00
		Upper Disk Tools	25.95
		Vista Pro 3.05	49.95
		Visual FX CD Lightwave, #1 or #2	129.00
		Visual FX CD Image FX, #1 or #2	129.00
		Wave Maker 2.0	179.95
		Wipe Studio	137.95
		World Construction Set v1	158.95
		World Construction Set v2	368.95
		World Construction Set v2 Intel	589.00

## Amiga Parts

A1000 Case w/all shielding	\$9.95
A2000/A3000 Keyboard	69.95
A4000 Keyboard	67.95
A600/1200 Internal Floppy Drive	69.95
A2000 or A3000 Int. Floppy Drive	69.95
Mouse for CDTV, wired - black	16.95
Bigfoot A4000 Pwr Sy 300W	269.95
Bigfoot A3000 Pwr Sy 300W	239.95
286 Bridgeboard PCB Only	69.95
CBM CDTV Control Pad	34.95
Casework 4000 (Spec Top or Bot)	19.95
2088XT Bridgeboard complete	15.00
CDTV Keyboard Black	59.95

### Amiga Books

Exploring Lightwave 3D	\$52.99
PhotoReal FX	42.95
FX Kit for Lightwave	33.95
Power FX for LW 5.0	27.95
<b>Connect Your Amiga</b>	<b>19.00</b>
<b>LightWave Power Guide</b>	<b>42.95</b>

## HOT & NEW

### Games for Amiga & CD-32

Allen Breed 3D AGA/CD-32 (Specify)	\$19.95
Allen Breed 3D 2 AGA	39.95
Akira CD-32 w/T-Shirt	9.95
Big Red Adventure AGA CD	29.95
Bograts AGA	29.95
Breathless AGA	29.95
Capital Punishment AGA	34.95
Chaos Engine 2 Amiga	38.95
Coala - for all accelerated Amigas	29.95
Colonization	29.95
Defender of the Crown 2 CD-32	9.95
Exile AGA/CD-32 (Specify)	37.95
Exile ECS	24.95
Extreme Racing AGA/CD-32 (Specify)	19.95
<b>FIFA International Soccer</b>	<b>19.95</b>
Gloom Deluxe Amiga	24.95
Gulp CD-32	9.95
Hillsea Lido Amiga	29.95
Humans 3 AGA	39.95
Jet Pilot Amiga	36.95
Lion King AGA	24.95
Nemac 4 Director's Cut CD	44.95
Odyssey Amiga	34.95
Pinball Illusions AGA/CD-32 (Spec)	37.95
Pinball Mania AGA	37.95
Pinball Prelude ECS/AGA (Specify)	34.95
Pinball Prelude CD-32	34.95
Roadkill CD-32	17.95
Sensible Golf Amiga	37.95
Sensible World of Soccer 95/96	34.95
Slam Tilt AGA	34.95
Speris Legacy AGA/CD-32 (Specify)	26.95
Star Crusader AGA	42.95
Super Skidmarks ECS/CD-32 (Spec)	34.95
Super Skidmarks Data Disk AGA	19.95
Super Stardust AGA/CD-32 (Spec)	34.95
Super Street Fighter 2	19.95
Super Tennis Champs Amiga	34.95
<b>Theme Park AGA</b>	<b>9.95</b>
TimeKeepers Amiga	29.95
TimeKeepers Data Amiga	14.95
Tiny Troops Amiga	38.95
Trapped CD/CD-32	39.95
Valhalla 3 Amiga	38.95
Virtual Karting AGA	26.95
Watch Tower AGA	24.95
Wendetta CD/CD-32	39.95
Worms ECS or AGA (Specify)	22.95
Worms: Director's Cut AGA	29.95
Oh Yes... More Worms!	19.95
XP8 AGA	38.95

## Our Policies

No waiting for your orders to ship. Orders in by 2PM go out the same day. Second Day & Overnight shipping is available. International orders ship by Air Parcel Post or UPS Express. Domestic orders ship by UPS or Airborne Express.

\* All orders are subject to credit card verification \*



Due to ad schedules, all prices are subject to change. We accept Visa, MasterCard, American Express,





# Amiga - Crossing

"Real Solutions at Affordable Prices"

We now feature secure online ordering!

- CyberStorm 060 MkII for \$669.00
- CyberVision 64/3D Board for \$289.00
- Picasso IV Board for \$420.00
- Toshiba 12x Internal CD-ROM for \$145.00
- M1438S MultiSync 14" Monitor for \$349.00

[www.amigax.com](http://www.amigax.com)

Ph: (207) 829-3959 / Fx: (207) 829-3522  
48 Mill Road, Cumberland, Maine 04021, USA

## TURTLE LIGHTNING AMIGA SOFTWARE

P.O. BOX 30499  
MIDLAND, TX 79712



KEEP INFORMED, GET THE  
INFORMER FOR ONLY \$ 1  
WITH ANY PURCHASE.

SEE OUR 1 PAGE AD IN THIS  
ISSUE FOR GREAT SOFTWARE DEALS

**Over 300 Commercial Titles  
Over 6000 PD/Shareware Disks**  
Get the TLAS 6-Disk Catalog  
Set for just \$ 3 with order

On Internet? We can e-mail a catalog to you.  
E-mail us at: [TurtleGuy@Apex2000.Net](mailto:TurtleGuy@Apex2000.Net)

Visit our site at:  
[WWW.OLE.NET/~CHAOS/TLAS](http://WWW.OLE.NET/~CHAOS/TLAS)

TLAS has more Amiga software toys than  
most others. We give full descriptions and  
System requirements. FREE Paper Catalog  
24 Hr FAX: 915-563-4315  
Orders/Info: 915-563-4925

# Explore the HAAGE&PARTNER Planet of AMIGA®

[www.haage-partner.com](http://www.haage-partner.com)



HAAGE&PARTNER  
Computer GmbH  
PO Box 80  
D 61188 Rosbach  
Germany  
Phone: +49 6007 930050  
Fax: +49 6007 7543  
[info@haage-partner.com](mailto:info@haage-partner.com)

North American Distributor:



Safe Harbor  
W226 N900 Eastmound Dr.  
Waukesha, WI 53186  
USA  
Phone: 800-544-6599  
Fax: 414-548-8130  
[www.sharbor.com](http://www.sharbor.com)

### Software Development

**StormC 2.0**  
Advanced ANSI C/C++  
Compiler System for  
AmigaOS.



**StormC 3.0  
PowerPC™ Modul**  
Add-On for StormC 2.0.  
Supports Phase5 PowerUP®-Boards.

**StormC 3.0 p.OS Modul**  
Add-On for StormC 2.0.

**StormC 3.0 PowerPC™-Assembler Modul**  
Add-On for StormC 2.0.  
Supports Phase5 PowerUP®-Boards.

**StormPowerASM**  
Unique Assembler for PowerPC™.  
Supports Phase5 PowerUP®-Boards.

**StormWIZARD 2.0**  
Visual GUI editor for AmigaOS and p.OS.

### Professional Graphics Software

**ArtEffect 2.0**  
Powerful Image Processing and Natural  
Paint Program.

**AE PowerEffects 1 + 2**  
Additional effects for ArtEffect.

**AE SuperView**  
43 Loaders and Savers for ArtEffect.

**AE PowerUP®-Effects**  
Special Effects takes full advantage of  
Phase5 PowerUP®-Boards.

**DrawStudio 2.0**  
Advanced Structured Drawing and  
Design Program.

**Tornado 3D**  
New Shading and Animation Program with  
Realtime effects.

### Internet & Communication

**NetConnect**  
Complete Internet Suite with Dialer, Web  
Browser, FTP, Newsreader etc.



Orders: (800) 735-2633  
 RMA: (408) 624-5879  
 Tech & Info: (408) 626-2633  
 Fax: (408) 625-6588

**VisionSoft**  
 P.O. Box 4398 Carmel, CA 93921, U.S.A.  
 Email: sales@visionsoft.com  
 Homepage: http://www.visionsoft.com

Visit VisionSoft's Web Site to obtain the latest pricing, product information, technical tips and hot news in the Amiga community

Memory Upgrades	
GVP-32 4mb Simm	59.95
GVP-32 16mb Simm	149.95
1x8-70ns Simm	17.95
1x8-80ns Simm	16.95
1x9-70ns Simm	28.95
4x8-70ns Simm	34.95
4x9-70ns Simm	39.95
<b>72-pin SIMM Special</b>	
1x32-60ns Simm (4mb)	19.00
1x36-70ns Simm (4mb)	19.00
2x32-60ns Simm (8mb)	39.00
4x32-60ns Simm (16mb)	79.00
<b>8x32-60ns Simm (32mb)</b>	<b>149.00</b>
16x32-60ns Simm (64mb)	399.00
<b>DRAM Special</b>	
<b>1x4-70ns SC Zip</b>	<b>4.95</b>
1x4-70ns Page Zip	7.95
1x4-80ns Page Dip	8.95
256x4-70ns Page Dip	3.00
256x4-70ns Page Zip	4.95
1x1-100ns Page Dip	3.00

Hard Drives	
Toshiba 2.5" 815mb IDE	219.95
Toshiba 2.5" 1.4gb IDE	269.95
Quantum 3.5" 1.2gb SCSI	259.95
<b>Quantum 3.5" 2.1gb SCSI</b>	<b>319.95</b>
Quantum 3.5" 4.3gb SCSI	499.95
Quantum 3.5" 6.4gb SCSI	599.00
Micropolis 3.5" 9.0gb SCSI	1349.00
<b>Quantum 3.5" 1.2gb IDE</b>	<b>189.95</b>
W.D. 3.5" 2.1gb IDE	229.95
2.5" Hard Drive Cable	8.95
2.5" Hard Drive Bracket	14.95

Software	
<b>Alien Breed 3D CD32/AGA</b>	<b>9.95</b>
Aminet 15-20	17.95
Aminet Set 3-4	32.00
<b>Aminet Set 5</b>	<b>35.00</b>
AmiTCP V. 4.x	89.95
Amiga Developer CD 1.1	17.95
Amy Resources US #1	19.95
<b>AWeb-II V. 3.0 (New)</b>	<b>44.95</b>
Capital Punishment AGA	25.95
Chaos Engine CD32	9.95
Deep Core CD32	9.95
Defender of Crown II CD32	9.95
Design Works 1.1	9.95
D/Generation CD32	9.95
<b>Directory Opus 5.5</b>	<b>67.95</b>
Epic Encyclopedia 97	45.95
Geek Gadgets CD	18.95
Geek Gadgets Ver. 2 CD	19.95
GP FAX	47.95
Lemmings CD	9.95
Light ROM 3 CD	24.95
Meeting Pearl IV	11.95
Microcosm CD32	9.95
Nigel Mansell's CD32	9.95
PC Task 4 + 4.2 Upgrade	69.95
<b>p. OS (New)</b>	<b>27.95</b>
Pinball / SleepWalker CD32	9.95
Photo CD Manager	29.95
QuarterBack Tools 6.1	34.95
QuarterBack Tools Deluxe	34.95
Scan Quix 3 w/ Drivers	99.00
<b>Turbo Print Pro 5.02</b>	<b>69.95</b>
Wild Wheel	6.95
Wing Commander	9.95
Zool CD32	9.95

Custom Chips	
1.3 Kickstart Rom	13.95
2.04 Kickstart Rom	22.95
3.0. Rom for A4000	29.95
<b>3.1 Rom for A51600/2000</b>	<b>39.95</b>
<b>3.1 Rom for A12/30/4000</b>	<b>52.95</b>
8372A 1mb Agnus	34.95
8375 1mb Agnus (318069-17)	19.95
8372B 2mb Agnus (A3000)	39.95
8373 Super Denise	29.95
8364 R7 Paula	16.95
5719 Gary	13.95
8520 A-1 CIA	12.95
8520 Surface Mount	23.50
Ramsey Rev. 7	29.95
Super Buster Rev. 11	29.95
Super Dmac Rev. 4	42.95
W.D. SCSI Chip 8A	29.95
Guru ROM V.6 (A530)	70.95
Guru ROM V.6	62.95
A2620-30 ROM Rev. 7	29.95
A2091 ROM Rev. 7	29.95

Upgrade Kits	
AS 320 3.1 Kit for A500/600/2000/2500	89.95
AS 312/330/340 3.1 Kit for A1200/3000(T)/4000	99.95
Software & Manuals Only	56.95
<i>All upgrade kits include Manuals, Software and Kickstart Rom(s).</i>	

Peripherals & Hardware	
A500/2000 880k Int. FDD	39.95
Amtrade A1200 1.76 FDD	114.95
Amtrade A2000 1.76 FDD	109.95
Amtrade A4000(T) 1.76 FDD	104.95
Power XL 1.76 Ext. FDD	114.95
A500/1200 Power Supply	35.95
A2/3/4000 Keyboard	74.50
Keyboard Adapter	9.95
A2000 KB to A4000 System	
A4000 KB to A2/3000 System	
SafeSkin for A12/20/30/4000	19.95
15-23pin Monitor Adapter	24.95
A520 Adapter w/ Cable	15.95
Epson 1000C Scanner	559.00
GVP I/O Extender Card	109.00
CBM A2091 SCSI Card	79.00
DataFlyer A2/3000 SCSI	79.95
Baseboard 1200	9.95
DataFlyer A1200 SCSI+	59.95
dkb Multistart ROM Switcher	25.95
dkb Megachip 500/2000	139.00
dkb A1000 PAL chip	9.95
dkb 1200 Clock	13.95
MidiGold 500	29.95
Picasso - 1080/1084 Cable	34.95
Picasso IV Graphics Card	429.00
Video Magician	159.00
WICO Black Joystick	7.95
Wizard 3-button Mouse	19.95
CD 32 Joypad	9.95

Modems & Cables	
Supra Fax 14.4 Ext.	49.95
Supra Fax 28.8 Ext.	79.00
Supra Express 33.6 Ext.	99.00
Supra Express 56k Ext.	179.00
Serial/Null Modem Cable	7.95

Computer Systems	
<b>Micronik infinitiv Towers</b>	
<i>The infinitiv Towers has an aesthetical and timeless case design, which differs from most available "Standard-PC" design. The infinitiv Tower was especially developed for your AMIGA and contains the space for all typical Amiga expansion.</i>	
<b>A1300 Tower</b>	<b>\$ 649.00</b>
A1200 mainboard, Floppy Disk Drive 880k, PSU 150W, Keyboard, OS 3.1, Handbooks.	
<b>A1400 Tower</b>	<b>\$ 849.00</b>
As A1300 Tower with additional Bus-Board Zorro II with 5 Zorro II Slots, Video Slot Optional, pass-thru A1200 Expansion Slot	
<b>A1500 Tower</b>	<b>\$1149.00</b>
As A1300 Tower with additional Bus-Board Zorro II/III 16 / 32 bit, with 5 Zorro II / III Slots, A3/4000 CPU Slot (Accelerator Cards), pass-thru A1200 Expansion-Port, Fast SCSI-II Host-Adaptor on board, Video-Slot optional	
<b>A1200 Tower Case</b>	<b>\$299.00</b>
<b>w/Power Supply Unit</b>	<b>\$359.00</b>
The wait is over. It's time to convert your A1200 desktop to a tower system with almost unlimited expansion. The basic version consists of two 5.25" & two 3.5" drive bays with integrated multifunctional keyboard interface.	

Options:	
infinitiv 3.5" HD 1.76 MB	\$ 89.00
infinitiv PSU 200/230W	\$ 79.00
Top Case 5.25"	\$ 49.00
Top Case 3.5" Snap in	\$ 19.00
A1200 Keyboard Case	\$ 49.00
Power-Bridge-Connector	\$ 8.00
(For internal PSU w/o Zorro board)	
PCMCIA Adapter	\$ 32.00
(90° Right Angle Adapter for A1200)	
Front Bezel for 5.25" Drives	\$ 5.00
(Special for CD-ROM installation)	
SCSI-Slot Bezel	\$ 26.00
(25-pol Sub-D socket, for rear slot) (Passive, w/o terminator)	
SCSI Adapter	\$ 39.00
(For Blizzard SCSI Kit)	
Video Slot	\$ 89.00
Zorro-Board II	\$269.00
Zorro-Board II SIMM Slots	\$359.00
Zorro-Board III	\$629.00
Single Cable	\$ 75.00
(For Video Slot on A1200 Zorro board)	
Fourfold Adapter	\$ 29.00
(For 2.5", 3.5" HDDs, CD ROMs) (w/Y cable, runs w/ ATAPI Software)	

Amiga Technologies A1200	
68020 14mhz CPU, 2meg chip RAM, 880k FDD, 3.1 OS, Magic Pack.	
<b>\$549.00</b>	
Options:	
815mb 2.5" IDE HDD	\$ 209.95
1.76mb XL Drive	\$ 109.95

Commdore Amiga 3000 Tower	
68030/25mhz, 1gb Hard Drive, 4x CD ROM, 1.76mb High Density Floppy, 14mb RAM	
<b>\$1199.00</b>	

Math-Co Processor & CPU	
M68882 25mhz FN-PLCC	35.95
M68882 33mhz FN-PLCC	39.95
M68882 40mhz RC-PGA	55.95
M68882 50mhz RC-PGA	64.95
M68010 CPU	9.95
M68030 RC 40mhz	54.95
M68030 RC 50mhz	59.95
M68040 RC 25mhz	49.95
M68040 RC 40mhz	94.95
<b>M68060 RC 50mhz</b>	<b>229.95</b>
Crystal Oscillators	8.95

SCSI CD ROM Drives	
Toshiba 12X Int/Ext	149/209.00
Panasonic 8X Int/Ext	129/189.00
Plextor 6X Int/Ext	119/179.00
Philips CD Recorder 4x/2x	319.00
<b>Asim CDFS 3.8 w/Fish CD</b>	<b>49.95</b>
Free CD with any purchase of CD ROM Drives. Choices are BCI Net, Future Shock, Aminet 3 or Aminet 4.	

Oregon Research	
<b>iBrowse + Termite TCP</b>	<b>82.00</b>
iBrowse	39.95
Squirrel Zip/Jaz Tools	24.95
Squirrel SCSI	89.95
Surf Squirrel SCSI	139.00
Termite TCP	41.95

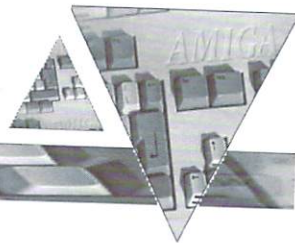
ACT Apollo	
A600 630/33mhz + FPU	179.00
A600 630/50mhz	199.00
A1200 SCSI Module	89.00
A1200 030/ 40mhz	149.00
A1200 030/50mhz	179.00
A1200 040/40mhz	369.00
A1200 060/50mhz	559.00
A2000 030/25mhz SCSI+FPU	229.00
A2000 030/50mhz SCSI+FPU	279.00
A3/4000 060/50mhz SCSI2	659.00
SX32 PRO-50mhz	399.00
Graffiti Graphics Box	89.00

Phase 5	
<i>All PPC boards do not have 680x0 CPU built-in. Optional 68030, 68040 &amp; 68060 CPUs are available at discount pricing with PPC Board purchase.</i>	
Blizzard 603e PPC 175Mz	569.00
Blizzard 603e PPC 200Mz	729.00
Blizzard 2604e PPC 150Mz	929.00
Blizzard 2604e PPC 175Mz	1029.00
Blizzard 2604e PPC 200Mz	1139.00
CyberStorm PPC 150Mz	899.00
CyberStorm PPC 180Mz	999.00
CyberStorm PPC 200Mz	1099.00
CyberVision 64 3D 4Meg	269.00
Scan Doubler Switch	89.00
CyberStorm Mark II 060	759.00
CyberStorm Mark II 040	439.00
CyberStorm SCSI Option	139.00
CyberVision 64 Memory	59.00
Blizzard 2060 Turbo	759.00
Blizzard 2040 Turbo	439.00
Blizzard 1260 Turbo	649.00
Blizzard 1230 IV Turbo	215.00
Blizzard 1230/1260 SCSI	135.00

Orders could be placed by telephone, fax, e-mail or snail-mail. Visa, Master and Discover Card orders are accepted with no surcharge. We also ship COD only in payment of Cash, Cashier's Check or Money Order. All returns must be returned and accompanied with a RMA# within 15 days (Call (408) 624-5879). Defective products will be replaced with the same item only. Software is non-returnable. Other returns subject to 15% restocking fee. Shipping & Handling charge is non-refundable. We ship via UPS, Federal Express, Airborne Express & US Postal Mail. Price & availability are subject to change without notice. We do not guarantee hardware and software compatibility. We are not responsible for any typographical errors.



# Enhancements



## Workbench Extras

By Brad Webb

Even some confirmed UNIX users aren't aware UNIX was intended as more than an operating system (see sidebar page 21). It was also designed to be a sophisticated text processing system. What has this got to do with Amiga users? Well, many of the tools developed for UNIX have found their way to other operating systems, including Amiga OS. Since Amiga OS is a very UNIX-like operating system, these tools fit well and can prove to be very useful enhancements.

Perhaps the most used is the strangely named "grep." The name is short for "Global Regular ExPressions." What it does is help you find text within files. This sounds simple enough, but with a little imagination grep can be used to solve a variety of common, frustrating computer problems. Grep is similar to the Amiga OS command search, but with many more powerful options.

An example will help understanding. Recently, I wanted to find some particular information about font use in the desktop publishing program PageStream. I didn't want to start the program then go into the help files - a time consuming process. Instead, I opened a shell and changed directory to the PageStream help directory and issued the following command: "grep font pgs.#?".

Looks strange, doesn't it? It's really not difficult. I'm calling the grep program, and giving it some arguments. The first argument, "font," is what you want grep to search for. The second argument tells grep where to look. In this case, we're using standard Amiga wild cards to say "check every file that starts with "pgs." This limits the search to help files that deal with PageStream, avoiding time spent looking in help files for other programs in the PageStream suit.

Grep displays the files where it found a "hit," then prints the line containing the

target word. By reviewing these results, I can go snooping in just those files of interest. I could capture the hit files to a text file by extending my command: "grep font pgs.#? > checkme." This creates a file named "checkme" in the current directory. You can review this file with the "more" command ("more" is part of the UNIX text processing system, ported and added to Amiga OS long ago) by typing: "more checkme" in the shell.

Grep is capable of far more sophisticated searches and you can list the entire list of commands available to grep by typing "grep" with no arguments (DO NOT type a question mark after the command, just type "grep").

There's not enough space here to discuss all these options. The most valuable argument is probably -v, which means "invert the search." In other words, if we'd typed our example command: "grep -v font pgs.#?" it would search for all the files that do NOT have the word font in them.

Grep will search binary files, such as word processor files, and find text buried within. You may get some strange things printed to your screen while it's doing this, however, and experimentation is advised.

Acceptable documentation comes with the archive, along with two variants of the grep program, egrep and fgrep. The documentation file provides some information on the differences, but for most users the actual "grep" program is the one to use. The documentation is in a file named grep.1. When unarchived, it's placed in a series of directories as follows: "man/man1/grep.1." I suggest you dig it out of this directory structure, rename it to something like grep.doc and put in a convenient location on your hard drive.

There have been many ports of grep to the Amiga. The one we used here is available on Aminet, in dev/ade/grep.lha. Archive size is 103608. It should run on any Amiga with Amiga OS 2.x or greater, possibly even on Amiga OS 1.3 though we didn't test that combination. Install grep by copying the executable to your C: directory or elsewhere in your path.

You will also need an up to date version of ixemul.library, added to your libs: directory. It's at dev/gcc on Aminet. There are libraries for each processor type, but they're clearly identified. Each archive is just over 100Kb long.



### What the heck is a Wildcard?

Amigans who don't use the Shell, with it's text based commands, may be unclear on the concept of wildcards. A "wildcard character" is a typeable symbol which can represent one or more other characters. For instance, a "?" can represent any one other character. Thus, when looking for files, DIR B? will find all two character files with names starting with B - such as B1, B2, BA, BC and so on. DIR B?? will find all three letter files starting with B. This approach is handy when you have many files in a directory and are trying to find a subset. The other commonly used Amiga OS wildcard is "#." Always used with some other character, #<character> means "any quantity of <character>". #B would match B, BB, BBB, BBBB - you get the idea. This may not seem very useful, but when you combine # and ? you can do things like DIR #?.TXT which will find all the files ending in TXT in the current directory, and ignore all other files. Invoice.txt, letter\_to\_Mom.txt, Instructions.txt would all match the wildcards. Another implementation would be DIR #?doc#? which would match any file with the letters "doc" in the name, such as Amigadoc.txt, Amigadoc.guide, Document, DOCFILE, autodocs and so on. Upper and lower case letters are treated the same in Amiga OS. The two most common Amiga OS wildcards are "#" and "?," but there are others. Check the AmigaDOS manual which came with your computer for more information.



# Kicking The Amiga

By Chris O'Donnell

The Kickstart is the chip which contains all the Devices and Libraries necessary for your Amiga to interact with its environment. Upgrading to a more recent version of Kickstart is simple. It can be performed in a few minutes and can make your Amiga seem like a whole new computer. The only caveat to this is that some of the older programs, especially poorly coded games designed with an earlier version of Kickstart in mind, may refuse to run on a later version of Kickstart.

There are a few different Kickstart revisions worth noting, each with its own version of the Amiga OS. If you are planning to add a hard drive you need at least Kickstart 1.3. This was the first version to offer autoboot support for hard drives. Prior to this you had to boot from floppy in order to access the Hard Drive. V1.3 is now considered obsolete. Kickstart 2.04 added many new features and enhancements, but is now somewhat dated since the release of Kickstart 3.1.

There is a lot of confusion between the differences of Kickstart v2.04 and v2.05. The 2.05 chip was designed for the Amiga 600 and contains support for the PCMCIA slot and internal hard drive. This chip should work fine in a A500 or A2000 as it is functionally no different from a 2.04.

Kickstart 3.1 is the most current available and is a must-have for anyone doing more than occasional game playing with their Amiga. If you do not have at least one Amiga running 3.1, you really are missing out. Programs run faster, and some games which broke under 2.04 suddenly spring back to life under 3.1. Currently, 3.1 upgrade kits that contain both the Kickstart chip and the 3.1 software are available for under US \$100.

Installation of a new Kickstart is a simple matter. New chips come with complete documentation. If you buy a used chip, complete installation instructions as well as a vast array of Amiga technical documentation can be found at the National Amiga Canada Website at <http://www.nationalamiga.com/Technical.html>.

Software Hut and Paxtron are the official North American distributors of Kickstart 3.1 packages.



## ImageFX for the Toaster/Flyer!\*



### Video Toaster™ Support

ImageFX's advanced Toaster support not only allows you to capture and display video frames, and to load and save images in the Framestore file format, it also allows you paint *directly* on the Toaster's composite output.

### Flyer™ Support

Support provided for loading and saving new Flyer clips so you can add special effects, transitions, and rotoscoping to your Flyer clips.

### Lightwave 3D™ Support

Extensive painting tools and Arexx support allows the power user to create hand painted textures, and add special effects to Lightwave rendered scenes.

### Blue and Green Screening

Cinematte™ is included with ImageFX to perform digital blue or green screen keys with professional, reproducible, results. More than just simple chroma-keying, you can actually maintain precise details such as hair, glass, and smoke, and output finished composites or individual elements for use in Lightwave!

### Morphing and Warping

CineMorph™, the Amiga's most popular full motion, cinematic quality morphing and warping package, is included at no extra charge.

### Wire Removal

Advanced Wireless™ program is included to remove wires, support rigs and film scratches from your work. Supports key framing and sequences as well.

### File Format Conversion

Professional support for reading and writing nearly all file formats from a wide range of platforms such as Amiga, PC, Macintosh, Sun, SGI and many more.

### Image Processing and Effects

Functions and effects that can create fires, swirls, waves, ripples, sparkles, lightning bolts, motion blurs, electric arcs, distortions, edge detects, mosaics, lens flares, turn your video into paintings and a million other possibilities!

### ARExx and Batch Processing

Sophisticated ARExx batch scripts can be run with ImageFX's AutoFX and IMP batch processing utilities. Don't know ARExx? Automatic macro recording is built in to write your scripts for you! ImageFX is also compatible with Visual Inspiration's Control Tower for advanced Flyer interaction.



Nova Design, Inc., 1910 Byrd Avenue., Suite 204, Richmond, VA 23230  
Dealer Sales: (804) 282-5868 - Fax: (804) 282-3768 - Customer Support: (804) 282-6528  
All registered and unregistered trademarks are the property of their respective owners.

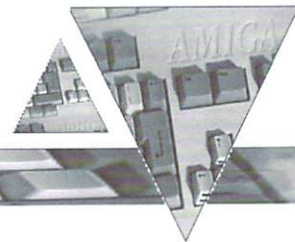
\*oh yeah, it works on any model Amiga too!

## What the heck is UNIX?

UNIX is a programming language. In some ways it is very similar to the Amiga Command Line Interface (the CLI or shell) implementation of the Amiga OS. UNIX was originally developed by Bell Laboratories as a universally applicable programming language. This means that along with all the usual tools similar to Amiga OS, UNIX has included a development suite of programs. Over the years this has spawned incredible diversity in applications and as such, no two UNIXs look alike. The important thing to know as an Amiga user is that the similarities between the Amiga OS and UNIX allow almost any program written for UNIX to be recompiled to run on the Amiga. Since UNIX is the development standard for most mainframes, there are abundant applications which can be ported (recompiled for a system they weren't designed for) to the Amiga. These range from the complexity of the PGP cryptographic program, to the eclecticism of the Astrolog astrology software, to the simplicity of the grep shell command. UNIX also uses a slew of different "designer" shells, such as the "C" shell, which is available for the Amiga. For further details, consult the UNIX for Dummies series of texts by Levine and Young from IDG Books.



# Site Seeing



## Remailers

### ... Anonymity On The Internet

By Davis Sprague

**R**emailers have always been a touchy subject. Why do people want or need anonymity on the internet? What is a remailer? How does it work? What does it mean to me? Well, let's start with some simple scenarios. What if you wanted to express opinions about an upcoming software product that your employer would hold against you. Perhaps, you'd like to reply to a 'personal ad' without potentially inviting a psychopath to know who you are. Perhaps you'd like to look for a new job without using your current company email address, so the boss won't get wind of it. All of these are potential legal uses of a remailer.

A remailer is simply a server on the internet that takes one piece of mail sent to it, changes the header so that the mail goes where you want it, and resends it with different reply address. When someone replies to this address, the mail is then forwarded back to you. There are several models of remailers that operate on the internet, all with slightly different ways of specifying where the mail should eventually be delivered. All allow emailing to any address. Most support posting to USENET under the new email address. One distinction in terminology is that the general process of remailing can be broken down into anonymous and pseudonymous remailing. The prior assigns you an email account on the remailer at random. The later allows you to specify the name of the email account (if that name isn't already in use).

This all means that there is a fair bit of security in using these devices. In the days when the most famous remailer, anon.penet.fi, was running and secure, you'd see many of the anonymous addresses on USENET such as 12345@anon.penet.fi. There was, in theory, no way to identify the account that mail originated from. Of course, there is always a fly in the ointment so to speak. This is the remailer that made

world news by being sued for access to its database by the Church of Scientology. Briefly, this church believed that secret church documents were being leaked through an anonymous account on the penet.fi remailer. In February 1995 they demanded a single user ID. Fearing that he would have to turn over the entire database, President of the company running this remailer, Julf Helsingius, released this single ID. Then, in 1996, the same church demanded two more user names, and in response Helsingius closed down the server. Again this same group of people has threatened to sue the operators of several other remailers in 1996. This battle is ongoing.

For a long time remailers came and went on the net quickly, but this has settled down quite a bit. There are a handful of remailers that have been around for some time, and will probably remain. Indeed, when you think about it, running a remailer is a very altruistic service. If you are keeping things truly anonymous, then there is no way to charge for it, and it comes with a set of moral and legal headaches as well.

For the security conscious, there are some remailer options that you may want to look into before choosing a specific site. First, I'd recommend using a site that allows PGP encryption. Without this, it is easy to imagine that the site supervisor isn't altruistic at all, and really runs the site so he can read your most private email himself. Beyond this, since a single site can be hacked or sued to release its database, sending mail bouncing through several remailers is a common trick. That way, only the last remailer has the address of the recipient, and only the first one has your address. Remailers also come with options to work around timing based account attacks. In this case, someone would watch when you send email, and when the "anonymous" email arrives.

When they find a pattern they have you. This is where the reordering and delay options of some remailers come into play. Reorder allows the mail to be shuffled so the first in isn't the first out, thus making mail less tracable. The delay option allows you to specify a maximum delay before email is forwarded. The mail is forwarded at a random time shorter than the delay, so time based attacks can be circumvented. A number of remailers have PGP encryption automated, so they can encrypt and remail on the fly.



### What the heck is an Amiga shared library?

A shared library is a file kept in the LIBS: directory that contains one or more small programs that can be used by other programs. This is another example of how the Amiga system allows itself to be customized. One example would be the SuperView libraries. These libraries are programs that allow loading of various forms of images such as JPEG and TIFF, as well as saving the same images. Many new programs use the routines in these libraries. Without changing the programs themselves, the libraries can be updated, or changed to ones that support the expanded features of a particular accelerator, thereby enhancing the programs that use them.

Another example is the compressor libraries used by the XPK family of programs. These allow third party development and expansion of types of compressors without changing any program which uses these compressors to shrink the disk space occupied by data.

Available on Aminet is a program which will automatically scan your libraries and tell you if they are up to date. This program is at docs/lists/LibGuide.lha. Run it and it will tell you what is out of date and where to find updated files on the Internet.



To choose a remailer, it is important to keep several things in mind. First, how long has the server been running. I prefer the ones with a track record, so I can be sure that this isn't some sort of sting operation. It should be run by a reliable, responsible individual. It should be easy to use (with few exceptions this is true of all the currently popular remailers). It should have a good rating for uptime. Nothing could be as embarrassing as getting a secret email bounced back at the wrong moment because the server is down. It should also have the advanced options of delay and reorder.

There are a number of other anonymous mail services available. There are a few

WWW based anonymous email senders. There's also a UNIX email program that integrates the use of remailers into email editor programs. Beyond this there are several services on the internet that will give you further information about remailers, how to use them, and which ones are available. These include the Andre Bacard's Remailer FAQ (<http://www.well.com/user/abacard/remainder.html>), and Raphael Levien's Remailer-List (<http://www.cs.berkeley.edu/~raph/remailer-list.html>).

This is a brief overview of a complex topic, but I hope it gives you enough of an idea of what remailers are about, and why you should know about them.



Furthermore, it has built in support for PowerPacker and XPK packed files. It can create C source code graphics for programmers. All this and it includes rudimentary image processing through more than thirty image processing operators.

The SuperView libraries are the integral powerhouse of this package. These shared libraries (see sidebar page 22) do all the actual work, allowing the viewing program to be small and versatile. This modular approach also allows for frequent expansion and updating, which the author appears to be dedicated to. SuperView also uses external system calls when libraries would be huge and redundant. For example SuperView interfaces transparently with ghostscript to show postscript files, and MetaView to show CAD type files.

The viewing programs included in the package worked without problems when I removed the problematic MCP system patches. Also included are some examples of ARexx programs to allow file type conversion on batches of files. This is just the tip of the iceberg as far as ARexx scripting goes. It is possible to build an entire image processor around this, if one had the desire.

The extensive SuperView library is used by a number of external programs. These include SqOpal, a shareware image processor for Opalvision; Image Engineer, a shareware image processor which rivals many commercial products; and NG-Box, a shareware anything-to-PNG converter for use on the WWW.

Beyond this it is used in two commercial products, Picture Manager Pro and Art Effect. Picture Manager Pro is an image cataloging package, and Art Effect is a full featured drawing and image processing program. Other programs relying on these libraries are DRAFU, a function plotting program, KFractPlus, a fractal creating program, and Genesis Pro

## PD Pick

# From Here The View Is Super!

By Davis Sprague

When I first looked into SuperView, with its associated massive libraries and support files, I thought to myself, "Why would I want to install an entire new set of datatypes?"

On first glance that is what SuperView is about. The huge file unpacks to over two megabytes unarchived. The majority of it is libraries and environmental variables take up precious space in your SYS: directory, not to mention space for the variables in RAM. Not being one to judge anything to quickly, I installed it, after moving some things out of SYS: that didn't have to be there. The first few attempts caused crashes, due to an interaction with MCP. Some quick email to the author showed that this was a new "bug" and was a problem with MCP.

Now, I don't care about moving all my fonts off SYS: to make SuperView fit (due to scarce space on my hard drive). I've changed to MultiCx to avoid the program crashes. I've made room for the huge wizard GUI library as well.

SuperView itself is a neat small viewer program with a window to allow loading and processing images with the included libraries. The program allows optional use of any of the included library functions. It supports over forty graphic formats, along with being able to use datatypes, supports scanners and printers, drives nine different display formats including OCS/ECS, AGA, EGS, OpalVision, Retina, CyberGraphX, Merlin and both Picasso II and Picasso96, and saves in most of the same forty plus formats.



Image Engineer is one example of a program which uses the SuperView libraries. Library updates are made easily without a need to change the programs that use them.

*Continued on page 41*



## Amiga Hardware

A520 Video Adapter	(#02214)	\$ 15
Clarity 16	(#02703)	179
Cybervision 64 3D w/4MB	(#02245)	249
Cybervision 64 Scan Doub	(#02251)	125
DKB Cobra 1200 33/33/00	(#02052)	149.95
DKB Megachip 2000/500	(#02400)	149.95
DKB Multistart II 6A	(#03902)	29.95
DKB Rapidfire	(#02101)	129.95
DKB Spitfire	(#02111)	69.95
DKB Wildfire 68060 A2000	(#02050)	109.95
GVP I/O Extender	(#02301)	109
ICD Flicker Free Video II	(#02207)	239
Little Magic Box (Y/C)	(#02216)	699
Megalosound	(#02704)	49
Midi Interface, Pyramid	(#02700)	39
Relina 22	(#02231)	509
Relina 23	(#02224)	549
Supergen SX	(#02206)	689
Supergen SX Studio	(#02218)	739
Sync Strainer	(#03202)	45
Video Flyer v4.1+	(#02202)	Call
Video Toaster v4.1+	(#02201)	2045
Vidi 24 RT	(#02238)	269
Vidi 24 RT Pro	(#02222)	379
VillageTronic Ariadine	(#07004)	249
VillageTronic Liana	(#07011)	89
VillageTronic Picasso II+	(#02213)	249
VillageTronic Picasso IV	(#02233)	369
Vlab Motion	(#02223)	1499
Vlab Motion/Z2/Tocatta	(#02253)	2499
Vlab Motion/Z3/Tocatta	(#02225)	2749
Vlab Y/C External	(#02242)	Call
Vlab Y/C Internal	(#02226)	Call
Wizard 560DPI Mouse	(#04401)	24
YCP-GA Y/C Adapter	(#02240)	95
Y/C Plus	(#02241)	849

SAS/C Development	(#51085)	149
Scala Art Library II	(#55006)	19.95
Scala Art Library III	(#55007)	19.95
Scala MM300	(#55002)	139
Scala MM400	(#55000)	199
Scala MM400 Upgrade	(#55004)	69.95
Sequencer One+	(#54004)	35
Termite TCP/IBrowse	(#53005)	79
Turbo Calc 3.5	(#54005)	59
Twist 2 Database	(#54006)	119
Typesmith 2.5	(#54007)	49
Upper Disk Tools	(#53052)	26
WordWorth 5.0	(#54008)	119
World Construc. Set 2.0	(#51004)	375
World Atlas CD	(#56000)	44
Zip/Jazz Tools	(#53019)	24.95

## Apollo / Phase 5

Apollo MiniMegiChip	129
Apollo A600 68030@33mhz	199
Apollo A600 68030@50mhz	call
Apollo 1260 68060@50mhz	699
Blizzard 2060 68060 w/SCSI	749
Blizzard 1260 68060@50mhz	645
Blizzard 1260 SCSI II Controller	129
Cyberstorm 68060@50mhz MK2	675
Cyberstorm MK2 SCSI II FAST	139
Apollo 3060 68060 @ 50mhz	499
Cyberstorm 68040@40mhz	499
MPEG Decoder for CV64	call

**Amiga Dos  
OS 3.1 Kits  
\$89.00**

## Great Valley Products T-REXX-II

- Up to 1600% speed increase Desktop 4000/030 & 800% for 68040 25mhz owners  
- Available for A4000 Desktop with 128MB ram expansion for A4000Desktop  
- SCSI I & II FAST HARD DRIVE CONTROLLER INCLUDED - Up to 10 MB/Second transfer rate

**68060@50MHZ BOARD(#02084) \$795**

Low heat, power & profile simms for maximum performance - **4 MB 60NS call for**  
REMEMBER! We have our LIFETIME WARRANTY on CPU, FPU **8 MB 60NS the**  
and RAM (MEMORY) chips! **16 MB 60NS lowest**  
**32 MB 60NS price**

**TRADE IN YOUR OLD  
ACCELERATOR & PAY  
ONLY \$ (call for details)**

*Warp Engine upgrade kits -*  
**40mhz (#03600) 95.00**  
**33mhz (#03605) 75.00**

## Amiga Systems

We have older A4000/3000/2000  
reconditioned systems now  
available. (Limited quantities)

**Amiga 4000T SYSTEM (#01109)** 1895

68040 @ 25MHZ - 1.2GB HD - 6MB RAM  
SCSI II HD Controller Card - Software bundle

**Amiga 1200 SYSTEM (#01107)** 599

68020 @ 16MHZ - HDs Available-2MB RAM

## Non Linear HW

<b>TRUEVISION</b>	
TARGA 2000 RTX	7995
TARGA 2000 DTX	5495
TARGA 2000 (PRO CALL!) (#02276)	2995
TARGA 1000 (PRO CALL!) (#02210)	1499
BRAVADO 1000 (#02219)	599

<b>miro</b>	<b>DV100</b>
	<b>\$519</b>
Video or Motion DC 10	349
Video or Motion DC 20+	575
Video or Motion DC 30+	849

## Amiga Software

3D Rom Volume 1 or 2	(#51077)	69
AMITCP/IP	(#50002)	95
AWeb II	(#53047)	44
Audio Thunder	(#54002)	69
Address it 1.5	(#53048)	26
Blitz Basic 2.1	(#51033)	65
Cinema 4D	(#51079)	239
Control Tower	(#53011)	139
Co Pilot Audio	(#54000)	90
Co Pilot Video	(#55003)	90
Cross Mac	(#50000)	69
Cross DOS 6.0 Pro	(#50001)	39
Cybergraphix	(#53004)	49
Dem-Rom	(#51080)	29
Deluxe Paint 5	(#51017)	119
Diavolo B-Up Standard	(#53049)	69
Diavolo Backup Pro	(#53050)	98
Digital Universe	(#56001)	124
Directory Opus 5.5	(#53013)	89
Easy Ledgers II	(#51081)	145
En Print 2.1	(#53024)	29
Diskmagic	(#53033)	39
Gamesmith	(#56002)	68
Gigamem 3.12	(#53051)	59
GP FAX Generic	(#53030)	47
Hi Soft Basic 2	(#51082)	95
Hollywood F/X	(#50003)	225
Image F/X 2.6+	(#53006)	215
Imagemaster R/T	(#51083)	75
Impact! 1.05	(#51051)	195
Interchange Plus	(#53010)	95
Kara Collection	(#51011)	79
Lightwave 5.0	(#51037)	1095
Lightwave 5.0 Upgrade	(#51031)	275
Lock & Key	(#51086)	159
Macroform 2.0	(#53053)	229
Main Actor Broadcast	(#51013)	269
Main Actor Professional	(#51141)	79
Multimedia Backdrops	(#55008)	34
On the ball	(#53041)	34
Pagestream 3.0+	(#51012)	175
Pro Vector 3	(#51084)	179
Pro Wipes 2.0 Vol 1or2	(#53054)	59
Radar 4000	(#51007)	299

## NEWTEK VIDEO TOASTER & FLYER SYSTEMS

**Amiga 4000T System -** Motherboard with two video slots, five zorro III slots, 3.5" floppy disk drive, mouse, keyboard, two megabytes of ram, 1000+ megabytes of hard disk space, software bundle (#01111) **\$1795.00**

**Processor Options -** A4640/A3640 68040 @ 25mhz w/CPU, FPU & MMU (#02085) **\$ 200.00**  
MS Warp Engine 68040 @ 40mhz w/CPU, FPU & MMU (#02079) **\$ 595.00**  
68060 @ 50mhz w/CPU, FPU & MMU **\$ 695.00**

**Memory Options -** (Minimum of ten megabytes of ram required, more recommended)  
**REMEMBER! We have a lifetime warranty on all memory purchased from De Vine Computer Sales!**

4MB 1x32 60ns simm (#03400)	\$ call
8MB 2x32 60ns simm (#03401)	for
16 & 32 MB SIMMS are for use with MS Warp Engine & A4660	lowest
16MB 4x32 60ns simm (#03402)	pricing
32MB 8x32 60ns simm (#03403)	

**Video Toaster 4.1+ -** (Hardware + Lightwave, Switcher, Character Generator, Paint Prg, ) (#02201) **\$2045.00**

**Video Flyer 4.1+ -** (Video Toaster REQUIRED!) (#02202) **\$CALL**

**9.1 GB HD Video Tested / Formatted & HQ5 Configured** (#14557) **\$999.00**  
Stores 99%+ HQ5 Mode! That's approximately 35 minutes of HQ5 footage! (Standard mode stores even more!)

**4.6 GB HD Video Tested / Formatted & HQ5 Configured** (#14544) **\$ 599.00**  
Stores 99%+ HQ5 Mode! That's approximately 18 minutes of HQ5 footage! (Standard mode stores even more!)

**2.1 GB HD Video Tested / Formatted & HQ5 Configured** (#14568) **\$ 399.00**  
Stores 99%+ HQ5 Mode! That's approximately 8 minutes of HQ5 footage! (Standard mode stores even more!)

**Octopus Cable -** (Required to connect flyer to external cabinet ) (#03205) **\$ 99.00**

**Midtower Chassis / External Cabinet -** (#03304) **\$ 199.00**

Houses up to NINE devices, five 3.5" bays, four 5.25" bays, 250 watt power supply, three internal scsi daisy chain cables, 7.7" wide x 18.1" tall, 16.6" long

**20x Plextor CDROM Drive & ASIM CDFS 3.8+ -** (#14219) **\$ 249.00**

Required to install toaster / flyer software (#53001) **\$ 49.00**



**\* LIFETIME WARRANTY ON ALL CPU & MEMORY CHIPS \*  
OVER SIX YEARS IN BUSINESS - NO SALES TAX IN DE  
CALL FOR LOWEST PRICING 1 800 699 4049**



**DIGITAL  
PROCESSING SYSTEMS INC.**

Perception Video Recorder (#02217)	1590
Perception Capture Option (#02248)	859
RS 422 Option (#02249)	185
Bundle with external cable (#02227)	2369
Perception Audio A4V (#02243)	1229
Perception FX Accelerator (#02250)	829
Time Base Corrector IV (#02203)	795
Time Base Corrector III (#02235)	665
Vector Scope (#02221)	795
Animation Recorder A / PC (#02236/7)	1599
Spark w/o Adobe Premiere (#02281)	595
Spark & Adobe Premiere (#02280)	849

**Tape Backup**

**EXABYTE**  
8700 LT External (#14951) \$649



60MB per minute  
2 year warranty  
7 / 14GB  
uncompressed /  
compressed  
SCSI I & II  
8mm 160m

8MM 160M TAPE (#15205) \$15.00  
8505XL Internal \$1780.00  
Same specs as above 8700LT but can also  
turn off compression and can verify data.  
Eliant 820 Internal \$1399.00  
Same as above 8700LT but twice as fast!

Mammoth 20/40 (#14957) 3999

3072k / second - two year warranty  
20GB uncompressed / SCSI I & II  
40GB compressed / 8mm 170m  
BACKWARDS COMPATIBLE  
WITH OLDER 160M TAPES  
8MM 170M TAPE (#15209) \$95.00

**SONY**

SDX 300 25 / 50 (#14953) 3699

3072k / second - two year warranty  
25 GB uncompressed / SCSI I & II  
50 GB compressed / 8mm 170m  
8MM 170M TAPE (#15209) \$95.00



TAPESTOR 8000 (#14958) 335

1024k / second - two year warranty  
4GB uncompressed / SCSI I & II  
8GB compressed / TR-4 Tape  
TR-4 8GB TAPES \$35.00

CHEYENNE BACKUP SOFTWARE  
\$175.00

**CPU&FPU Upgrades  
and Replacements**

68040RC40 W/MMU & FPU (#03404)	89
68040RC33 W/MMU & FPU (#03405)	75
68040RC25 W/MMU & FPU (#03406)	39
68030RC50 W/MMU (#03408)	65
68030RC40 W/MMU (#03409)	75
68030RC33 W/MMU (#03411)	49
68030RC25 W/MMU (#03412)	39
68882RC50 MATH CO-PROCESSOR (#03414)	49
68882RC40 MATH CO-PROCESSOR (#03415)	39
68882RC33 MATH CO-PROCESSOR (#03416)	29
68882RC25 MATH CO-PROCESSOR (#03440)	19
68881RC25 MATH CO-PROCESSOR (#03417)	15
INTEL PENTIUM II 266 (#?????)	call
INTEL PENTIUM 200 MMX (#03606)	299
INTEL PENTIUM 166 (#03602)	249
INTEL PENTIUM 150 (#03607)	225

Extensive stock of Motorola, Intel, & Cyrix processors available, so if what you are looking for isn't listed, call us!

**Memory / Ram Chips**

**SIMMS**

64MB 72PIN 16x32 60ns (#03442)	C
32 MB 72 PIN 8x32 60ns (#03403)	A
16 MB 72 PIN 4x32 60ns (#03402)	L
08 MB 72 PIN 2x32 60ns (#03401)	L
04 MB 72 PIN 1x32 60ns (#03400)	I

**GVP SIMM 32**

4MB 64 Pin 60NS \$ 49  
16MB 64pin 60NS \$109

A3000 1x4 SC Zips 60ns  
(#03429) 4MB \$ 32.00

256x4 DIPS or ZIPS \$ 2.00 each

**MONITORS**

CBM Amiga Monitors	199
CBM 1950	299
Amiga M1438S	345
Amiga M1764	675
Toshiba 20" Multiscan	459
Sync Strainer Adapter	39
DB15PF-DB23PF ADPR	25
Cables , Cables Cables!	call
CBM A520 Video Adaptor	15

**Expansion  
System**

CD-XDS for the A1200

- use inexpensive ide cdrom drives with the internal ide controller and still use your internal hard disk drive  
**\$79.95**

**Removable  
Media**

IOmega Jazz Internal (#14908)	299
IOmega Jazz External (#14907)	399
IOmega Zip Internal (#14906)	139
IOmega Zip External (#14905)	139
Syquest 44MB Internal (#14900)	99
Syquest 105MB Internal (#14960)	189
Syquest 135MBExternal (#14959)	199
Syquest 270MB Internal (#14904)	199
SyQuest 1.5GB SCSI (#14913)	275
SyQuest 1.5GB IDE (#14916)	275
44or88MB Syquest Cart 15200/1	39
270 3.5" Syquest Cart (#15202)	49
Jazz Cartridge (#15213)	89
Zip Cartridge (#15210)	19

**CDROM  
Drives**

PLEXTOR 20X Internal (#14219)	249.00
3072k/second - 95ms seek time - 256k buffer scsi I & II - Caddyless	
PLEXTOR 20X External (#14220)	299.00
also includes case with power supply, fan & DB25-CENT50 cable	
Toshiba 12X Internal (#14127)	159.00
2400k/second - 150ms seek time-512k buffer scsi I & II - Caddyless	
Toshiba 12X External (#14128)	199.00
also includes case with power supply, fan & DB25-CENT50 cable	
ASIM CDFS (AMIGA) (#53001)	49.00
FWB TOOLKIT (MAC) (#53043)	15.00

**CDROM RECORDERS**

**YAMAHA CDR-400  
6x READER & 4X WRITER**

INTERNAL (#14207) \$ 549.00

EXTERNAL (#14708) \$ 599.00

**PHILIPS CDD-2600  
6x READER & 2X WRITER**

INTERNAL (#14213) \$ 375.00

EXTERNAL (#14708) \$ 399.00

**PHILIPS CDD-3600  
6x READER & 2X REWRITER**

INTERNAL (#14215) \$ 449.00

EXTERNAL (#14221) \$ 499.00

**MASTERING SOFTWARE**

Master ISO (AMIGA) (#53002) \$ 139.00

Toast (MAC) (#53038) \$ 95.00

EZCDPRO (IBM) (#53037) \$ 95.00

**HARD DRIVES**

**Quantum**

9.1 GB Atlas II-N Ultra (#14548)	999
9.1 GB Atlas II-W Ultra (#14576)	999
perception / flyer drive 7200 rpm - 8ms - 5 yrs	
4.6 GB Atlas II-N Ultra (#14544)	699
4.6 GB Atlas II-W Ultra (#14574)	699
perception / flyer drive 7200 rpm - 8ms - 5 yrs	
4.3 GB Grand Prix (#14506)	599
7200 rpm - 8ms - 5 yrs	
3.8 GB Fireball (IDE) (#14540)	339
4500 rpm-10.5ms-3yrs	
3.2 GB Tempest SCSI	349
3.2 GB Tempest (IDE) (#14571)	275
4500 rpm-10.5ms-3yrs	
2.5 GB Serraco (IDE) (#14536)	299
great with dps par	
2.1 GB Tempest SCSI (#14572)	299
4500 rpm - 10ms - 5yrs Great Audio Drive !	399
2.2 GB Atlas II Narrow 8 MS - 5 YRS	399
2.2 GB Atlas II Wide	

**Seagate**

23GB ELITE 423451N (#14547)	1999
23GB ELITE 423451W (#14517)	1999
99% HQ5 (VIDEO FLYER) FIVE YEAR WARRANTY	
9.1GB CHEETAH 19101N (#14613)	1195
9.1GB CHEETAH 19101W (#14614)	1195
10000 RPM! 7.5 MS! NOTHING IS FASTER!	
9.1GB Barracuda 19171N (#14549)	999
9.1GB Barracuda 19171W (#14569)	999
7200 rpm - 8ms - 5 yrs	
4.5GB CHEETAH 34501N (#14615)	799
4.5GB CHEETAH 34501W (#14616)	799
10000 RPM! 7.5 MS!	
4.3GB Barracuda 34572N (#14553)	699
4.3GB Barracuda 34572W (#14567)	699
7200 rpm - 8ms - 5 yrs	
2.1GB Barracuda 32272N (#14568)	499
2.1GB Barracuda 32272W (#14570)	499
7200 rpm - 8ms - 5 yrs	
52520A 2.5GB (IDE)	229

**MICROPOLIS**

5 Year Warranty-7200 rpm 512k buffer-7.9 MS access 99.50%+ in HQ5 mode3.5"	
9.1 Tomahawk 3391N (#14557)	899
9.1 Tomahawk 3391W (#14545)	899
2MB buffer!-7.9MS access	
9.1 Tomahawk 3391N AV (#14609)	999
9.1 Tomahawk 3391W AV (#14610)	999
512k buffer-7.9 MS access	
4.5 Tomahawk 4345N (#14557)	599
4.5 Tomahawk 4345W (#14558)	599
2MB buffer!-7.9MS access	
4.5 Tomahawk 4345N AV (#14611)	699
4.5 Tomahawk 4345W AV (#14612)	699

These new drives have proven to be extremely reliable! Up to 100% Digital on DPS Perception & 99.5% on Newtek Flyer!



302 235 1204 Orderline  
302 235 1506 Information  
302 235 1507 24 Hour Fax

4571 Kirkwood Highway Suite 170  
Wilmington DE 19808

**ORDERLINE 1 800 699 4049**

AMEX, DISCOVER, MASTER CARD, VISA, DINERS CLUB AND COD ALL ACCEPTED. MAIL PREPARMENTS TO THE ADDRESS ON LEFT. PRICES AND SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT NOTICE. DEFECTIVE ITEMS REPLACED WITH SAME ITEM. ALL SALES ARE FINAL AFTER TEN DAYS. RETURNS ARE SUBJECT TO 10% RESTOCKING FEE. PLEASE CALL 302 235 1506 FOR RMA# BEFORE RETURNING MERCHANDISE. RETURNS WITHOUT RMA# WILL BE REFUSED. SHIPPING IS NOT REFUNDABLE. WE ARE NOT RESPONSIBLE FOR INCOMPATIBILITY OF PRODUCTS. CDS ARE CASH ONLY COD FEE IS \$6.00. \*\* \$9.95 IS FOR AIRBORNE EXPRESS SELECT DELIVERY SERVICE UP TO FIVE POUNDS IN ACTUAL AND/OR DIMENSIONAL WEIGHT



**\* An Amiga 60% FASTER than a Pentium Pro 200Mhz ! \***  
**It's now possible with Phase5's Cyberstorm PPC boards !**  
**CALL FOR LOWEST PRICING 1 800 699 4049**

**phase 5**  
 DIGITAL PRODUCTS

**WHERE DO YOU WANT TO BE TOMORROW?™**

**Breaking through the barriers**

With the PowerUp product line phase 5 digital products brings you the most innovative and advanced accelerator concept which has ever been released for Amiga computers. With the experience of world's leading accelerator technology for the Amiga, the development team at phase 5 has combined the high-performance PowerPC RISC processors and the 68k processors that work in today's Amiga models into a true multi-processing environment. But even more important, with groundbreaking software development phase 5 has integrated the PowerPC RISC processor into the Amiga's multitasking environment: With the two processors - the 68k and the PowerPC RISC processor - running in parallel and sharing the same memory, tasks can run on either of the processors and communicate via the usual Amiga OS functions. Existing applications written for the 68k processor work as before, as a 100% compatibility is provided with the PowerUp solution, while software that supports the PowerPC RISC processor can reach new performance dimensions which Amiga owners never thought possible on their existing machines!

By the integration of fast PowerPC 603e processors for the A1200 PowerUp models and the high-end PowerPC604e processors for the A2000/A3000/A4000 PowerUp models, these Amiga models can be upgraded to performance levels that compete with today's fastest personal computer systems available. Independent reviews of the US computer magazine Byte have shown that a PowerPC603e-based computer achieved a performance level up to two times faster than a Pentium-based system with the same processor clock speed, while a PowerPC604e-based system at 200MHz still reached a performance of 20-60% beyond the performance of a 200 MHz Pentium Pro-based system. For the Amiga user who upgrades his Amiga with a PowerUp board this means that applications which are optimized for the PowerPC processor can run some 10 to 15 times faster than on today's fastest 68060 based accelerator cards (or some 30-50 times faster than a stock Amiga 4000) - really an impressive and breathtaking leap into a new dimension of performance!

The sophisticated PowerUp combination of hardware and software allows software developers to easily start porting their existing applications to make use of the superior performance of the PowerPC processor. phase 5 digital products has been shipping developer versions of the PowerUp boards to leading software developers worldwide since end of 1996, and has supported the start of the development of key applications for these new processor boards. Many leading Amiga software developers are already working on products that support the vast power of the PowerPC RISC processors, opening a completely new dimension for powerful applications, among them 3D and ray-tracing applications, image manipulation tools and paint packages, development packages, internet browsers, emulators and even games. With the release of the commercial versions of the PowerUp boards in 1997, an increasing number of commercial software applications that support the PowerUp can be expected; beyond that, a strong response by shareware and freeware developers and several PowerPC programming contests sponsored by phase 5 will support the upcoming release of many professional and powerful shareware/freeware tools for the new generation of PowerUp Amigas.

**Solutions for everybody**

Phase 5 digital products has a complete product line of PowerUp accelerators for various Amiga systems under development. All these accelerators are being primarily designed as upgrades for those users who already own a 68k-based accelerator for their Amiga. They come with a socket for either a 68030, 68040 or 68060 processor which they need as a companion processor, and which can be taken from the user's existing 68k accelerator card or purchased in addition to the PowerUp accelerator. After installation of the 68k processor on the PowerUp accelerator and the installation of the PowerUp accelerator into the Amiga, the world of PowerPC/68k multiprocessing is open for the user immediately! With this upgrade technology, the investments which once went into the existing accelerators are saved, as the old processor does not become obsolete.

**Software that comes along with the PowerUp accelerator boards**

The PowerUp accelerators will be shipped with a comprehensive software package. Beside the powerful and comprehensive RISC support multiprocessing library which allows the transparent integration of the PowerPC processor into the Amiga multitasking OS environment, all boards are shipped with CyberGraphX V3 Native including PowerPC-optimized CyberGL 3D libraries and MPEG functions which allow fast 3D applications and multimedia tasks to run on the high-performance PowerPC processors. Also available are comprehensive software tools including a public domain GNU C compiler with PowerPC support as well as free demo software and utilities and developer support via the phase 5 FTP site. With these tools the PowerUp boards are also a perfect solution for all creative users who want to actively explore the performance of a modern RISC multiprocessing system while staying with the advantages of their preferred Amiga OS.

- Cyberstorm PPC (3000/4000(t))
- Blizzard 2604e (A2000/1500)
- Blizzard 603e (A1200(t))
- Blizzard 603e+ (A1200(t))
- Cybervision PPC (for Cyberstorm PPC and Blizzard 2604e)

CALL  
for  
prices

**PowerUp specials for owners of phase 5 accelerators**

Owners of a 68030-, 68040- or 68060-based accelerator from phase 5 digital products can make use of special PowerUp upgrade offers which make the PowerUp accelerators even more attractive. The PowerUp upgrade offer is available to original customers of one of the mentioned phase 5 accelerators (except the Blizzard 1230-I) and requires only the proof of purchase and serial number of the product (please note that second-hand purchased products are excluded from the PowerUp Upgrade offer). Registered owners of phase 5 accelerators will receive an upgrade offer by mail shortly before the release date of the PowerUp accelerator that is available as an upgrade to their existing phase 5 accelerator.



- Cyberstorm MK II (A4000/4000T A3000/3000T) 68060 @ 50mhz \$ 675
- Cyberstorm MK II (A4000/4000T A3000/3000T) 68040 @ 40mhz \$ call
- Cyberstorm SCSI Fast Expansion for MK II Accelerator \$ 129
- Cybervision 64 3D \$ 249
- Scan Doubler for Cybervision 64 3D \$ 119
- Blizzard 1260 (A1200) 68060 @ 50mhz \$ 589

CYBERSTORM PPC -150, -180, -200

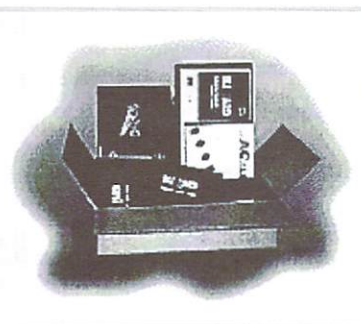
**PowerPC 604e Accelerator Board for AMIGA 3000(T) and 4000(T)**

The Cyberstorm PPC is the high-end PowerUp accelerator for Amiga 3000/4000(T) systems and systems with a compatible processor slot. It features a high-performance PowerPC604e RISC processor in different clock speeds and a socket for either a 68040 or 68060 companion processor, a memory expansion option for up to 128 MByte of ultra-fast 64-bit memory, a Wide-Ultra-SCSI controller on board and an expansion slot for high-performance expansions such as the CyberVisionPPC. This board is ideally suited for all A3000/A4000 users who already own an accelerator with either a 68040 or 68060 processor; for Cyberstorm users it will be the PowerUp upgrade offer.

**Technical Data CYBERSTORM PPC Accelerator Board:**

PowerPC Processor	PowerPC604e
Clock Speed	150-200 MHz
Companion CPU	68040/68060 25-50 MHz
est. PPC Performance	@200 MHz
MIPS	appx. 350
SpecFP95	appx. 7.1
Memory Option	max. 128 MB
SIMM Sockets	four
SCSI on board	Ultra-Wide
Suitable	A3000/A4000(T)

**PHASE 5**  
products  
arrive !



**De Vine**  
COMPUTER  
SALES

302 235 1204 Orderline  
302 235 1506 Information  
302 235 1507 24 Hour Fax

4571 Kirkwood Highway Suite 170  
Wilmington DE 19808

**ORDERLINE 1 800 699 4049**

AMEX, DISCOVER, MASTER CARD, VISA, DINERS CLUB AND COD ALL ACCEPTED. MAIL PREPAYMENTS TO THE ADDRESS ON LEFT. PRICES AND SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT NOTICE. DEFECTIVE ITEMS REPLACED WITH SAME ITEM. ALL SALES ARE FINAL AFTER TEN DAYS. RETURNS ARE SUBJECT TO 10% RESTOCKING FEE. PLEASE CALL 302 235 1506 FOR RMA# BEFORE RETURNING MERCHANDISE. RETURNS WITHOUT RMA# WILL BE REFUSED. SHIPPING IS NOT REFUNDABLE. WE ARE NOT RESPONSIBLE FOR INCOMPATIBILITY OF PRODUCTS. CODS ARE CASH ONLY COD FEE IS \$6.00. \*\* \$9.95 IS FOR AIRBORNE EXPRESS SELECT DELIVERY SERVICE UP TO FIVE POUNDS IN ACTUAL AND/OR DIMENSIONAL WEIGHT



Need some reasons  
to buy from De Vine ?

- Same Day Shipping - No Sales Tax In Delaware
- Lowest Restocking Fee (Only 10% As Of October 01, 1997)
- Lifetime Warranty On CPU & Memory (Ram) Chips

Do your shopping then call us for the **LOWEST** price, or save yourself time and order from us now!

# Whatever your Amiga needs, call us for the lowest prices !

We have a huge stock of  
replacement power sup-  
plies, custom chips,  
replacement parts !

**De Vine**  
COMPUTER  
SALES

302 235 1204 Orderline  
302 235 1506 Information  
302 235 1507 24 Hour Fax

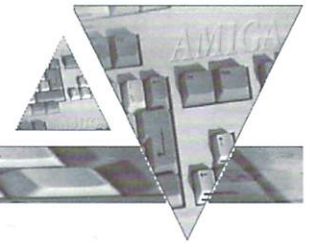
4571 Kirkwood Highway Suite 170  
Wilmington DE 19808

**ORDERLINE 1 800 699 4049**

AMEX, DISCOVER, MASTER CARD, VISA, DINERS CLUB AND COD ALL ACCEPTED. MAIL PREPAYMENTS TO THE ADDRESS ON LEFT. PRICES AND SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT NOTICE. DEFECTIVE ITEMS REPLACED WITH SAME ITEM. ALL SALES ARE FINAL AFTER TEN DAYS. RETURNS ARE SUBJECT TO 15% RESTOCKING FEE. PLEASE CALL 302 738 9267 FOR RMA# BEFORE RETURNING MERCHANDISE. RETURNS WITHOUT RMA# WILL BE REFUSED. SHIPPING IS NOT REFUNDABLE. WE ARE NOT RESPONSIBLE FOR INCOMPATIBILITY OF PRODUCTS. CODS ARE CASH ONLY COD FEE IS \$6.00. \*\* \$9.95 IS FOR AIRBORNE EXPRESS SELECT DELIVERY SERVICE UP TO FIVE POUNDS IN ACTUAL AND/OR DIMENSIONAL WEIGHT



# Evaluations



## REVIEWS

### ArtEffect 2.0

**A**rtEffect 2.0 is a new graphics program for the Amiga. In brief, it is a modular graphics package that combines image processing with tools for image creation in a complex but usable interface. It allows everything from hand drawing with the mouse, to photographic retouching, in a single package. ArtEffect uses the SuperView libraries (see article in Site Seeing, this issue) to load and save images, so the SuperView package is recommended. A very nice feature is the support of internal virtual memory, which takes into account that low memory limits

the size of the work that can be done, as well as the number of undoes and layers.

For those who are familiar with graphics programs, the bells and whistles of this program include a full ARexx interface, three layer composition, modular architecture that allows upgrades and plug in accessories from third party developers, fairly rapid graphics routines, and some unique interface options.

The three layer composition allows creation of the background, midfield and foreground as separate images which are then overlaid with transparent areas to create the final image. It has an option to use an alpha layer as a paper texture, which is really a brilliant idea. This allows the drawn images to be textured as if drawn on parchment, concrete, stone, etc. Of course, the SuperView libraries allow direct printer and scanner connectivity which is a great asset. Plug in

modules are available for such things as lens flare effects and lightning in an effort to rival ImageFX, one of the current commercial software leaders known for these effects in particular.

Having used a lot of graphics software, I've found that various programs do different things very well. For example, I do collaging with Photogenics, because for me it offers the best interface for this. I have an old PD program I use for palette reduction because the interface is simple and straightforward, though I use the program for little else because its display is so poor. For now I think that the unique brush construction options and alpha as paper option will make ArtEffect the program I use for drawing. The brush construction tools allow specification of the exact parameters for the image of the brush, the density and intensity of the "ink," the roughness, shape, angle, continuity, and proportion of the brush, and fading in and out at the end of brush strokes. This gives the artist who has the time to learn the GUI absolute control over the behavior of the brush. Some of the other options, while very good in quality, are difficult to access via the tool bar and menus, which I found a bit awkward. As far as processing large files, it seems that Photogenics machine language routines are faster than the compiled C language routines of ArtEffect.

The version tested was 2.1.3. System requirements are a 68020 or greater CPU, Amiga OS 3.0 or greater, ECS, AGA, or Cybergraphx display, and at least 4 Mb free RAM, as well as a hard drive to install it on. It was tested on an A1200 with 20 Mb FAST RAM, 2 Mb CHIP RAM, running a 68030/68882 accelerator using Amiga OS 3.0. There was no copy protection, and requires neither the original disks nor any dongle, but needed an encrypted key on first start-up. It installes easily with the Amiga installer program and is very intuitive to set up. The documentation is adequate, but I would have preferred more, and I could see a novice becoming quite confused with the complexity of the program. There is a demo version of this program on Aminet

**Power Effects 2** is a group of plug-in effects for ArtEffect versions 1.5 or 2. The requirements are the same as those for the program reviewed in this article. They use the standard Amiga installer, and once installed work seamlessly with ArtEffect by integrating themselves into the menus and on-line help functions. Here's a quick run down of the effects.

**Crystallize:** creates a mosaic pattern of triangular colored pieces from the original image.

**Pointise:** creates a pattern of either circles or spheres from the original image.

**Fish Eye Lens:** distorts the image as though it were seen through this type of lens.

**Extract Detail:** highlights the fine detail of an image.

**False Color:** changes the colors of an image. This has much more control than most other false coloring processors available.

**Halftone:** creates a new image based on the current image, composed of a repeating geometric shape in two colors. This again has much more control than the run of the mill Halftone processor.

**Lens Flare:** creates a glare similar to what you get when taking a picture toward the sun. This one requires a fair bit of tweaking to get it to look realistic, but once set it does a very good job.

**Lightning:** creates a pattern similar to lightning on an image. This requires a whole lot of adjustment and experimentation, but some of the effects achieved are rewarding.

**Patchwork:** converts the image to a patchwork quilt with portions of the image as individual squares.

All in all, this package is good clean fun to use. Once the lens flares were toned down to a realistic transparency, I had a ball making some old images look like aged photographs. This package speaks well of the expansion capabilities of ArtEffect, and is an excellent example of what makes this package fun to work with. This package can be found from many various dealers for around US \$45.





### PowerUP Effects Plug-In

There is another plug-in option for ArtEffect that we didn't test. Called, PowerUP Effects, it's mainly based on the PowerPC native version of the plugin.library which handles almost all actions of the plug-ins. This provides a 2 to 20 times increase in speed to every effect in ArtEffect because they now use the new PPC plugin.library. In addition, there are special native versions of the major effects. The PowerUP Effects are the first application that makes use of the enormous power of the PowerUP board by Phase 5. This package can be found from many various dealers for around US \$45.

There is also a new ArtEffect FAQ section on the Haage & Partner homepage ([www.haage-partner.com](http://www.haage-partner.com)) with helpful answers to often asked questions. You are able to submit your own ArtEffect related questions as well as join the ArtEffect mailing list and become part of an open forum for questions and discussion. It is also a good place to voice your wishes for future releases of ArtEffect.



Here's a stylized self-portrait of the reviewer created with ArtEffect 2. If you look carefully, you can see smoke issuing from the test machine caused by Davis' thorough review. Note also the voodoo doll of the editor above the monitor. Thankfully it contains no pins!

## AEMail

**A**EMail has all the features needed to do a thorough job of receiving and sending email. The controls and setup are arranged efficiently and are easy to learn. As with any email program, when you first run AEMail, you'll have to configure it for your Internet Service Provider's (ISP) mail server. This is done using a nicely setup configuration window, with clearly laid out forms. You switch among the forms using click tabs near the top of the window. You'll have to enter the POP server from which you'll be obtaining mail, the SMTP server to which you'll be sending mail, and a number of other items you'll need to obtain from your ISP. There are other configuration options as well, including specifying an editor for entering text. AEMail is unusual in the fact that it uses ED, the built in Amiga OS editor, unless you specify another. In my experience, most built in editors in Amiga mailing programs bog down to unusable speeds unless dealing with tiny notes, so this is probably a good idea.

AEMail runs on its own screen. It presents a large area with a list of all mail folders available on your system. The same window is used to display the contents of the active folder, address book or message being read, as appropriate. Above this list window is a row of folder icons, one for each mail folder you've set up plus the default folders - your inbox, pending mail, queued mail or sent mail folders. Above that is a toolbox of control icons. Standard Amiga pulldown menus are also used. It's an intuitive, very Amiga layout.

The inbox folder is used to store mail waiting to be read, of course. Sent is for copies of the mail you've sent to others. Queued is used for mail that's composed when you're offline. The Pending folder is for work in process, not yet ready to send. It also receives messages you were unsuccessful in sending, so they aren't lost. It's very easy to add additional folders if you wish, for whatever storage purposes you devise.

When you compose a message, you're presented with a form to type in specifications for your message. From this form you can call up the address book, or type in the address manually. You can specify courtesy copies, and blind courtesy copies (CC and BCC). If using the registered version, you can select among multiple signature files, and even add custom header items if you're comfortable doing that. Adding attachments and editing

as the file: [biz/haage/ArtEffect213\\_D.lha](http://biz/haage/ArtEffect213_D.lha).

I found no bugs while running this program, and the ARExx interface allowed it to be built into the suite of graphics programs I now use. Overall, I give ArtEffect 2.0 a "B," with the understanding that although all graphics programs can do most operations, I've never found one that I thought was good at everything, and further understanding that comfort with graphics software is dependant on the artist using it. It should be better documented, and the interface could be clearer. Otherwise, ImageFX has found some new competition.

ArtEffect is developed by Haage & Partner of Germany and is distributed in the US by Safe Harbor. It can be found for around US \$175 from many dealers. For more information visit [www.haage-partner.com](http://www.haage-partner.com) or email: [info@haage-partner.com](mailto:info@haage-partner.com).

Rating: B

By Davis Sprague







signature files are also handled from this screen. Once you've set up your message characteristics, you click on the Compose/Edit Message box to bring up your editor.

A nice feature is the "help line" for the toolbox. As you drag your cursor over the toolbox icons, a line above them displays their function. This is done without recourse to MUI, which should please the folks who don't like that utility. In fact, AEMail requires no extensions to your Amiga other than a TCP/IP stack for connection to the Internet. AEMail is compatible with all major Amiga TCP/IP stacks. We tested it with the popular MIAMI stack. It worked perfectly. MIME (Multipurpose Internet Mail Extension) attachments are supported. Not all MIME header features are supported, but you should find little trouble with the MIME support. Uu-encoded files are supported as well. To display the MIME attachments while within AEMail, you'll need to install a Mailcap file. Instructions are provided, as is a sample file which is usable under Amiga OS 3.0 or above.

The address book has all the features you'd expect. You can assign nicknames to entries, to help you keep them straight. You can group entries to form distribution lists. These can be displayed in expanded

- showing all members - or contracted form, where only the list name shows. You'll need the registered version to fully use the expand/shrink feature.

This is a mature product. There are many handy features that you will probably appreciate as you use it over time. We can't detail all of them here, but among the more interesting are: the ability to set AEMail up for multiple users, though some tricky work is involved; password protection (registered version); use as a www mailto agent from

a browser program; and calling it from other programs. Features, their use and their configuration are well described in a good documentation file in both text and Amiga Guide format.

One unusual feature may bother some users. When first used, a mail message is sent to the author with information about your setup. According to the documentation, this reports things like your email address, real name, POP3 server name, and other information to the author and is intended as data for debugging program problems. If this bothers you, don't use AEMail.

AEMail is a superb program that does what it's supposed to do well, with a certain elegance. I rate it an A-, with the minus only due to the lack of a printed manual. If you're paying money for a program, you should either get a paper manual or at least a second program that creates one for you on your own printer if the program is shareware. If the lack of a printed manual doesn't bother you, this is a straight A program.

AEMail is shareware, US \$30. It should run on any Amiga with OS 2.1 or greater. We ran it on an Amiga 3000 with 2 Mb chip RAM and 12 Mb fast RAM. It's available on Aminet in omm/mail/AEMail.lha, or from [www.calweb.com/~jzachar/](http://www.calweb.com/~jzachar/). Just as I was finishing this review, a new release was announced. See Announcements, page 14, for details on this upgrade.

Rating: A-

By Brad Webb

# Centsible Software

We have the world's largest selection of new & used Commodore titles

## AMIGA AND C64 TITLES

**BUY & SELL**

Mention The Amiga Informer and receive a **FREE AMIGA GIFT PACK** with every purchase

Hard to find titles ✓ Closeouts ✓ Same day shipping ✓ Fast service

Free  
Catalogs  
Available

8818 College Ave, Berrien Springs, MI 49103

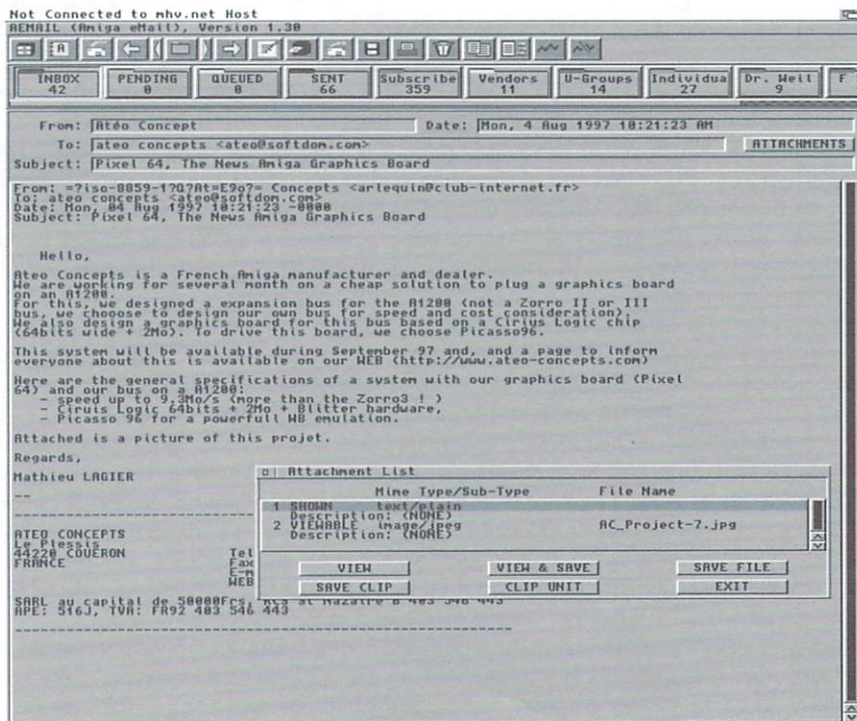
616-471-1089

FAX: 616-473-3456

cents@sprynet.com

<http://home.sprynet.com/sprynet/cents>

VISA &  
MasterCard  
Accepted



If your TCP software is running, AEMail will gather most of the configuration info automatically when installed. It works on OS 2.1+ and doesn't require MUI, making it accessible to a broad range of Amiga configurations.





**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.....	\$16.95
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).....	\$37.50
3.1 ROM (A3000).....	\$49.95
3.1 ROM (A4000).....	\$49.95
3.1 ROM (A1200).....	\$49.95
3.1 Software.....	\$10.00
3.1 ROM/software/manual (A500/A2000).....	\$99.95
3.1 ROMs/software/manual (A1200/3000/4000).....	\$114.00
ROM Switch/Switch-It with speaker.....	\$17.50
3.1 manual only.....	\$54.95
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.....	\$13.95
8375-18 Agnus (318069-18) 2 meg PAL.....	\$15.95
Paulia (8364) A500/A2000.....	\$10.95
Denise (8364) A500/A2000.....	\$10.95
Super Denise 8373 w/diagnostic disk.....	\$19.95
Gary 8719 A500/A2000.....	\$16.95
Buster 5721 (A2000).....	\$16.95
DMAC 4 (390537-04).....	\$49.95
Ramsey (rev. 4) 390544-04.....	\$19.95
Ramsey (rev. 7) 390541-07.....	\$19.95
Super Buster Rev. 11 (390539-11).....	\$24.95
68000CPU (390084-07).....	\$13.95
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
MC68882RC33A PGA.....	\$37.50
XC 68882RC40A PGA.....	\$69.95
MC 68030RC50 PGA.....	\$69.95
Western Digital SCSI chip rev. 8.....	\$23.95
Video Hybrid - (A500 390229-03).....	\$9.95
GVP Upgrade Chip Series II.....	\$24.95

**SURFACE MOUNTED DEVICES**

(FOR A1200, A3000, A4000, CD32)	
8520 PLLC (391078-02).....	\$19.50
Amber (390538-03).....	\$24.50
Paulia 8364 (391077-01).....	\$27.95
Gal (XU9) (390123-01).....	\$21.95
Gayle (315107-02).....	\$19.95
Budgie (391425-01).....	\$33.95
Bridgette (391380-01).....	\$29.50
Video DAC (391422-01).....	\$19.95
Super Denise (391081-01) for A600.....	\$29.95
Fat Gary (390540-02) PLLC.....	\$32.95
Lisa (391227-01).....	\$24.50

68020-16 (391506-01).....	\$18.95
Alice 8374 (391010-01).....	\$19.95
MC 68030FE25B O/P (390399-05).....	\$19.95

**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
A500 Rev 8A (2MB).....	\$137.50
A500+ (Plus) - just arrived.....	\$119.95
A600.....	\$124.50
A1200 (NTSC) 3.0 O/S all memory New.....	\$300.00
A1200 (PAL) 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
Upgrade your A3000-16MHz PCB to 25 MHz (plus UPS).....	\$79.95
A4000T (NEW).....	CALL
A4000T with 68040 (A3640)(NEW).....	CALL
C64 (refurbished, tested all chips).....	\$29.95
C64 untested, all chips clearance.....	2/\$25.00

**AMIGA FLOPPY DRIVES (Factory New)**

High Dens. External floppy for all Amigas.....	\$114.95
High Density Internal Floppy Drive:	
A2000.....	\$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
Catweasel Advanced Floppy Controller (A1200).....	\$99.50
Catweasel Advanced Floppy Controller (A4000).....	\$99.50
Catweasel Zorro II Model.....	\$121.50
Graffiti Graphics Box.....	\$69.95

**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).....	\$95.00
A3000 Big Foot (250 watts) Micro R/D.....	\$144.50
A4000 Tower.....	\$124.00
A4000 internal (110 volts).....	\$119.00
A4000 int. 300 Watt Big Foot (exchange).....	\$169.95
10845 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
C65 110 Volt.....	\$21.95
1541 II/1581.....	\$7.50

**Micronik TOWER SYSTEMS**

InfiniTV 1200 Tower System (Upgrade).....	\$299.00
InfiniTV 1300 Tower System.....	\$649.00
InfiniTV 1400 Tower System.....	\$849.00
InfiniTV 1500 Tower System.....	\$1199.00

**KEYBOARDS (Factory New)**

A500 (limited quantity).....	\$39.95
A600.....	\$26.50
C128D (limited quantity).....	\$24.95
A1200.....	\$34.95
A2000 U.S. vers. (no foreign keys).....	\$59.95
A3000 U.S. vers. (no foreign keys).....	\$59.95
A4000 U.S. vers. (no foreign keys).....	\$59.95
A2000 keyboard adapter to A4000.....	\$8.95
A4000 keyboard adapter to A2000/A3000.....	\$8.95
KB100 adapter to use with IBM keyboards.....	\$49.95

**ADD ON BOARDS (Factory New)**

68020-030 (A4000).....	\$67.95
68040 processor board (A3640).....	\$238.50
A4000T ports board.....	\$99.00
A4000T audio/visual board.....	\$110.00
A4000T disc board.....	\$99.00
Daughter Board (A3000).....	\$99.00
Daughter Board (A4000).....	\$149.00
2091 SCSI RAM card.....	\$79.50
GVP 2091 SCSI card.....	\$67.50
2620 Flicker Free Display Enhancer.....	\$79.00
Emplat 1200 - MAC emulator.....	\$46.95
Picasso IV (A2000) Expansion board 8k.....	\$49.95
A501 original Ram Exp. - 512K (A500).....	\$17.95
Microway Flickerfixer.....	\$224.00
A1050 Ram Exp (A1000) 256K.....	\$114.95
Jet Fire 133 A1200 accelerator.....	\$114.95
Jet Fire 134 A1200 accelerator.....	See below

**APOLLO ACCELERATORS**

1230 Lite 25MHz 68030 WMMU-FPU (A1200).....	\$99.50
1230 Turbo MK2 40MHz 68030 (A1200).....	\$129.50
1230/50MHz 68030 (A1200).....	\$158.50
1240/25MHz 68040 (A1200).....	\$262.50
1240/33MHz 68040 (A1200).....	\$372.50
1240/40MHz 68040 (A1200).....	\$329.50
1260/50MHz 68060 (A1200).....	\$495.00
1200 SCSI Module For Apollo A1200 Accelerators.....	\$89.95
2030/25MHz 68030+68882-SCSI-2 (A2000).....	\$196.50
2030/50MHz 68030+68882-SCSI-2 (A2000).....	\$259.95
2040/25MHz 68040+SCSI-2 (A2000).....	\$299.95
2040/40MHz 68040+SCSI-2 (A2000).....	\$396.95

2060/50MHz 68060 +SCSI-2 (A2000).....	\$632.95
3060/50MHz 68060+SCSI-2 (A3000 Desktop).....	\$639.95
3040/40MHz 68040+SCSI-2 (A3000 Desktop).....	\$399.50
4040/40MHz 68040+SCSI-2 (A3000T & A4000T).....	\$399.50
4060/50MHz 68060 +SCSI-2 (A3000T & A4000T).....	\$639.95
Mini Meg 2Mb RAM Board (Megachip).....	\$121.95
SX32.....	\$199.50
SX32 Pro - 33MHz.....	\$352.95
SX32 Pro - 50MHz.....	\$399.95

**PHASE 5 ACCELERATORS**

Blizzard 1230-IV w/50MHz 68030.....	\$214.95
Blizzard 1260 Turbo Board w/50MHz 68060.....	\$648.50
Optional Blizzard 1260 or 1230-IV SCSI Kit.....	\$134.95
Blizzard 2040 ERC w/40MHz 68040.....	\$429.00
Blizzard 2060 Turbo Board w/50MHz 68060.....	\$699.00
Cyberstorm Mark II 040/40MHz.....	\$429.00
Cyberstorm Mark II 060/50MHz.....	\$694.50
Cyberstorm Fast SCSI-2 Module.....	\$138.50
CyberVision 64/3D 4MB.....	\$278.50
CyberVision 64/3D MPEG Module audio/video.....	\$188.50
CyberVision 64/3D Scan Doubler/Monitor Switch.....	\$123.95
Cyberstorm PPC w/150MHz/604e, w/o CPU.....	\$899.00
Cyberstorm PPC w/180MHz/604e, w/o CPU.....	\$999.00
Cyberstorm PPC w/200MHz/604e, w/o CPU.....	\$1099.00

**MOUSE CONTROLLER (Factory New)**

Amiga 1352 (refurbished).....	\$22.50
Wizard 3-button (for all Amigas).....	\$19.95
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 Diagnostic II.....	\$6.95
Complete Service Manuals: A500, A500+, 590, A1000, 1230 printer, 1602, 1902, 1902A, 1934, 2002, 2091, 2300, 2630, CDTV, 1581, C65.....	\$19.95
A500 schematics, A600, 10845, 10845-D1, 10845T, 1936A, 1960, A2000.....	\$24.00
A1200, A3000, A3000T, A4000, CD32.....	\$39.95

**CLEARANCE SALE**

A500 computer w/2.04 & 8372 Agnus.....	\$119.95
A500+ (PLUS) COMPUTER.....	\$169.95
A600 computer system.....	\$229.00
A520 Video Modulator Adapter Cable.....	\$12.50
2.04/3.1 ROM Switch - (Switch It) with speaker.....	\$17.50
15-23 pin VGA adapter.....	\$19.95
Monitor Cables - 30 Different types.....	CALL
Monitors: 10845, 1902, 1950 etc.....	CALL
Joystick - Captain Grant (for all Amigas).....	\$2.99
1x4 S/C ZIP for A3000.....	\$6.95
Mindscape Power Players Joystick.....	\$5.50

**SEE OUR WEB PAGE [www.paxtron.com](http://www.paxtron.com) FOR COMPLETE CATALOG**

★ ONLY AT PAXTRON ★

# Amiga A3000 Computer

Includes:

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

**\$570 Value**

**Reduced To: \$389.95** (plus UPS)

**OPTIONS AVAILABLE**

Ramsey 7 Upgrade.....	
DMAC 4 Upgrade.....	
Super Buster 11 Upgrade.....	
Western Digital SCSI 8A.....	\$23.95
3.1 Operating System Upgrade ROM.....	\$44.50
3.1 ROM Software (package of 7 discs).....	\$7.50
3.1 Books/Manual (without disks or ROM).....	\$59.95
1 x 4 Static Column ZIP (8 zips = 4 megs).....	\$5.95
A3000 Keyboard ( New U.S. version).....	\$54.95
KB100 adapter to use with IBM keyboards.....	\$34.95
AmiFAST 3000 Adapter (ZIP to SIMM adapter).....	\$74.50
Rack Mounted enclosed A3000 Cabinet/cabling.....	\$44.95

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

**New enlarged Web site: [www.paxtron.com](http://www.paxtron.com)**

Our web page is continually updated with latest products and price changes. This ad is only a partial list of products we sell. Visit us and check it out. Enter your order there or by E-mailing us at [paxtroncorp@rcknet.com](mailto:paxtroncorp@rcknet.com)

## NEW FROM BLACK FOREST PRODUCTS GmbH

### A1200 ACCELERATOR (For the masses, not the classes!)

Black Forest Products is pleased to announce a great new accelerator that will speed up your A1200 500-700 percent. The Jet Fire sells quickly because it is priced lower than any of the competition and includes SIMM memory at no additional cost ( 8 megs of memory in the 134).

## Jet Fire 134

68030-40 Meg CPU Includes:

- 68882-40 MHz FPU
  - Real time clock
  - 8 megs of memory -- 72 pin SIMM (installed)
  - SCSI option
  - 1 year warranty
- (Accepts up to 64MB RAM)
- \$156.95**

**PAXTRON appointed the authorized MICRONIK distributor in the U.S.**

When you buy an infiniv Tower System from Paxtron or one of our authorized dealers you can be assured it will come in full NTSC (American) version (not the European PAL mode). It will also include the important double NTSC mode and the lowest prices available anywhere. Micronik orders may be placed directly with us or through the following authorized dealers:

- Software Hut 800-932-6442
- Videolink Canada 416-690-1690
- Liage International 800-252-6442
- Software Link 914-683-2512
- Integrated Technologies 908-245-1313
- Systems Repair Co. 914-354-6696

See our half page ad on full Micronik systems in this issue.



# Picture Manager Pro

Picture Manager Pro is an image cataloging program. The purpose of this sort of program is to give you visual access to directories of graphic data, and to help you send these data to image processing programs. The version evaluated is the commercial version 4.1.

Picture Manager Pro (PMPro) uses the SuperView libraries to integrate the use of scanners, printers, and display boards. This allows versatility as well as modular upgrading. The program itself has some advances over other graphics cataloging programs. First, using the SuperView processing libraries, it can color correct and enhance the thumbnail images that make up the catalog. There are no other packages I'm aware of with this option. Second, it has two banks of pop-up menus to use by clicking over an image. The first is a standard menu with options like viewing the image or getting image data. The second is a list of user defined ARexx programs to transfer the image to any image processing program with an ARexx port. Many samples of ARexx scripts are included. The look and feel of this program are both highly configured and very intuitive. PMPro also has a special function devoted entirely to creating catalogs for PhotoCD's.

Some of the available options are: the use of multiple image catalogs; display of

the program with the catalog on a screen or in a window; and, using the program as a slide show. The first option allows for a number of different image catalogs, on various devices. Although most catalog programs allow this, PMPro allows configured control of this over various devices in your system. You could save your prized pictures on floppy for safe storage, but keep them included in a catalog on the system or on the floppy disk. Catalog pages can be converted to images themselves, like photographic contact sheets. The size, colors, and format of the catalogs can be configured as well. The option to use the program as a slide show adds to the versatility and commercial

usefulness of the program. For example, after a client chooses images they like from your catalogs, you could immediately display the images as a slide show.

A quick word on developer support. I was contacted twice during the short time I had to review the product, to see if I had comments or suggestions. This is superb support. I think that Blittersoft's distribution teamed with Andreas Kleinert's SuperView libraries is a real winner.

# AMIGA

## AUTHORIZED SALES SERVICE & REPAIRS ON SITE DEALER

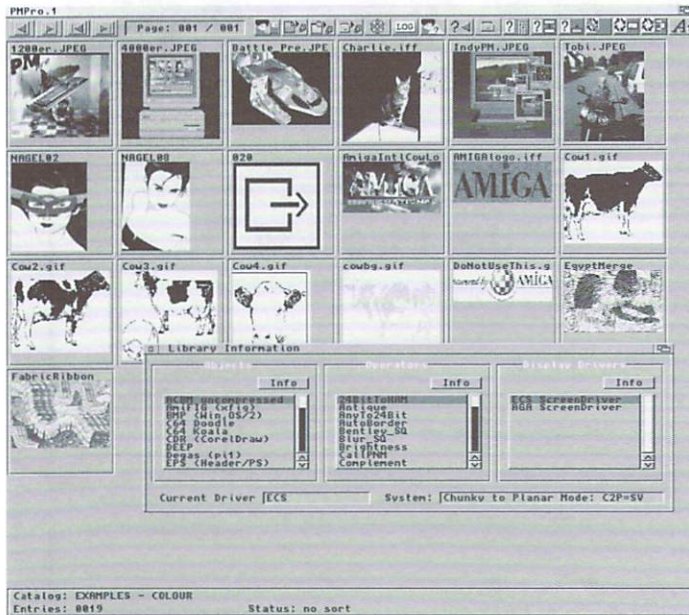
Authorized  
NewTek Center

Exclusive Canadian  
Distributor For  
Micronik

NewTek Lightwave 3D for Amiga, Mac, PC, Dec Alpha  
Video Toaster Systems, Digital Processing Systems

### VIDEOLINK CANADA

53 Lucy Ave, Toronto, ON, M1L 1A1  
PH: 416-690-1690  
Toll Free Canada 1-800-567-8481  
[www.videolink.ca](http://www.videolink.ca)



Load, sort and view any number of images into catalogs, then send one to your image processor for a touch-up. All this from a beautiful and smooth interface. Perfect!

Rating: A-

By Davis Sprague





# Turtle Lightning Amiga Software

## Amiga's ToyBox 915-563-4925

24 HR FAX: 915-563-4315 Open: Mon-Sat 9am - 9pm, Sun 12 - 4 pm Central  
Visit At: WWW.OLE.NET/~CHAOS/TLAS  
E-mail: Turleguy@Apex2000.net  
P.O. BOX 30499 - MIDLAND, TX 79712



### GREAT DEALS ON AMIGA SOFTWARE - ALL ON DISK - (THE SYMBOL \* INDICATES NOT FOR 3.0X SYSTEMS)

A1200 Desktop Dynamite Pack 37.95	COLOSSUS CHESS X * 18.95	GUY SPY (Adventure) \$ 17.95	PERFECT GENERAL .. \$ 17.95	SUPER STARDUST AGA .. \$ 34.95
ACTION FIGHTER (By Sega) 7.95	COUGAR FORCE..... 9.95	HARLEY DAVIDSON * 14.95	PINBALL Dreams-Fant.ECS 37.95	SYNDICATE ..... 22.95
Adv. Of WILLY BEAMISH 12.95	COVERT ACTION ..... 9.95	HEIMDALL 2 AGA ..... 14.95	PINBALL 'Fantasies' AGA 32.95	TABLE TENNIS * ..... 3.95
AFTER BURNER (Jet Arcade) 9.95	CRIBBAGE & GIN ..... 16.95	Heroes Of The Lance * .. 9.95	PINBALL 'ILLusions' AGA 29.95	TARAGHAN (D & D ADV.) .. 6.95
ALADDIN AGA ..... 23.95	CRIME Dose'n't Pay ... 9.95	HILLSEA LIDO ..... 24.95	PINBALL * MANIA * AGA 29.95	TEAM SUZUKI * (CYCLE) 7.95
ALIEN 3 (Platformer) ..... 9.95	Cruise For A Corpse ... 8.95	HILLSFAR D&D 1.3 Only 9.95	PINBALL'Prelude' AGA-ECS 33.95	TERMITE (2.0 & 3.0x Sys..) 29.95
ALIEN BREED 3-D AGA..... 14.95	CURSE OF AZUR Bonds 9.95	HILL Street BLUES * ... 2.95	PINBALL 'Slam-Till' AGA 32.95	TETRIS ..... 6.95
ALIEN BREED 3-D 2 AGA 39.95	CYBER-BLAST * ..... 9.95	HOOK 'CAPTAIN' ..... 14.95	PINBALL T.TankEngine AGA 24.95	THEME PARK ECS ..... 39.95
ALTERED DESTINY * ..... 9.95	CYBER-PUNKS (Hit Squad) 4.95	Horse Racing 'Stable Masters 9.95	POOL OF RADIANCE (D&D) 9.95	THEME PARK AGA ..... 19.95
AMIGA VISION * ..... 9.95	CYTRON ... (Robot) ... 9.95	HOUSE OF FLUX ..... 4.95	PLAYDAYS PAINT ..... 7.95	THEME PARK MYSTERY * .. 3.95
AMIGA VISION PRO ..... 18.95	DARK CENTURY ..... 6.95	HOVERFORCE ..... 14.95	POPEYE 2 * also Sooty ... 9.95	Thomas Collection(KIDS GAMES) 27.95
AMIGA-CLIPS Sounds ..... 9.95	DARKMAN ..... 7.95	HUDSON HAWK ..... 9.95	POPULOUS 2 ..... 18.95	Thomas Electronic Paintbox 27.95
ANARCHY (Space game) 12.95	DARKSIDE ..... 7.95	Impossible Mission AGA/ECS 9.95	Populous & Promised Lands 18.95	THUNDER BLADE (Combat) 11.95
ARMALYTE ..... 6.95	DAWN PATROL ..... 18.95	IMPOSSA-MOLE * ..... 7.95	PowerDRIVE (Race game) 18.95	THUNDER BOY ( 1.3 Only ) ... 2.95
ARKANOID * (Brick-Out game) 7.95	DEATH MASK ..... 9.95	INDIANAPOLIS 500 ..... 18.95	PRIME MOVER (Motorcycle) 5.95	Thunder Hawk (Copter combat) 9.95
ARTHUR (Quest For Excalibur) 7.95	DELUXE MUSIC V.2 ..... 57.95	INTER OFFICE ..... 34.95	PROJECT-X ..... 9.95	TIME KEEPERS ..... 19.95
APPETIZER COMBO DISK ... 8.95	DELUXE PAINT 2 ..... 4.95	JAGUAR XJ-220 ..... 16.95	PROWRITE V.3.0 Wordprocessor 19.95	TINY TROOPS ..... 38.95
ATOMINO (Great puzzle game) 7.95	DELUXE PAINT 3 ..... 14.95	JET PILOT ..... 34.95	PUSH OVER ..... 11.95	TOTAL CARNAGE * ..... 17.95
ATTACK SUB (688-Attack) 18.95	DESERT STRIKE ..... 22.95	JIMMY WHITES SNOOKER 14.95	QuickWrite Wordprocessor 8.95	TOTAL ECLIPSE ..... 3.95
BACK TO THE FUTURE 3 ..... 7.95	DICK TRACY ..... 7.95	JOE BLADE 1.3 Only ..... 3.95	RAMBO 3 * ..... 4.95	TOURING CAR CHALLENGE * 3.95
BADLAND PETE * ..... 9.95	DIRECTORY OPUS 5.5 ..... 74.95	John Madden FOOTBALL 18.95	RED ZONE (Motorcycle) 12.95	TOYOTA CELICA ( 1.3 Only) 6.95
BANSHÉE AGA ..... 17.95	DISNEY Anim. Studio * 29.95	JUNGLE STRIKE AGA ..... 22.95	REALMS ..... 22.95	TRANSWRITE Wordprocessor 12.95
BARBARIAN 2 * ..... 7.95	D-GENERATION AOA ..... 17.95	KGB ( Soviet Police ) ..... 24.95	ROAD RASH (Cycle) ..... 19.95	TRIAL BY FIRE (Role Playing) 12.95
BATMAN ..... 4.95	DOOFIGHT Air Combat 22.95	KID PIX PAINT Program 14.95	ROTOX (Space Gm) ..... 4.95	TROLLS AGA ..... 7.95
BATTLE-STORM ..... 7.95	DOUBLE DRAGON 2 * ..... 2.95	KILLING CLOUD * ..... 6.95	Sci-Fi Collection ..... 9.95	TV TEXT PROFESSIONAL 6.95
Battle For The Ashes (Cricket) 22.95	DRAGON SCAPE ..... 9.95	KINGS QUEST 5 ..... 19.95	SEEK AND DESTROY ..... 17.95	UFO Enemy Unknown ECS/AGA ... 22.95
BIRDS OF PREY ..... 27.95	DRAGONSTRIKE ..... 14.95	KINGPIN BOWLING ..... 27.95	Sensible Soccer '95-96 ..... 19.95	UNIVERSE ..... 27.95
BLACK CRYPT (Role play'n) 24.95	DRAGONSTONE ..... 12.95	KNIGHT FORCE ..... 6.95	SLEEPWALKER ..... 17.95	UNTOUCHABLES ..... 5.95
ELASTAR ..... 4.95	DUNE 2 (Battle/Spice) 18.95	LEANDER (Platformer) 11.95	SHADOWLANDS * ..... 9.95	VALHALLA 'Lord Of Infinity' 16.95
B L I T Z BASIC 2.1 ..... 47.95	ELF (Platformer) ..... 19.95	LEGENDS AGA ..... 29.95	SHADOW OF THE BEAST 3 * 9.95	VALHALLA II 'BEFORE THE WAR' 19.95
BIG BUSINESS * ..... 6.95	EXILE AGA or CD32 * .. 17.95	LEMMINGS 2 'TRIBES' ..... 28.95	SHADOW WARRIORS ..... 4.95	VALHALLA III 'Fortress Of Eve' 24.95
BLUE ANGLES (Low Inventory) 14.95	Extreme Racing DATA 11.95	LEMMINGS 'World' AGA 38.95	SIM CITY 2000 AGA ... 28.95	VIROCOOP ECS/AGA ..... 28.95
BLOCKOUT (3-D Mind Teaser) 9.95	EXTREME Racing AGA 22.95	LEMMINGS 'Oh No More' 21.95	SIMON THE SORCERER 29.95	Virtual Karting AGA ..... 14.95
BOGRATS AGA ..... 34.95	FEARS AGA ..... 18.95	Lemmings 'Christmas' * .. 7.95	SKELTON KREW AGA ..... 12.95	VINDEK (Space Fighter) * ... 3.95
BOMBER BOB 1.3 ONLY .. 7.95	FIELDS OF GLORY ..... 17.95	LOOPZ 'Puzzle Game' ..... 7.95	SNAPPERAZZI ..... 3.95	VOLIFIED ARCADE ..... 9.95
B-17 FLYING FORTRESS 24.95	FIRE POWER ( Tanks) 12.95	LION KING AGA ..... 22.95	SOOTY'S Fun With Numbers 5.95	WATCHTOWER AGA ..... 14.95
BOOPIN 'Accursed Toys' ... 5.95	FOOTBALL (John Madden) 18.95	LURE Of The Temptress 22.95	SPACE HARRIER (1.3 Only) 6.95	WILLIAM TELL ..... 4.95
BRAVO ROMEO DELTA ..... 11.95	F-1 GP Circuits (race) 12.95	MARVINS Adventure AGA 17.95	SPACE HULK (Platinum Edition) 14.95	WING COMMANDER ..... 22.95
BREATHLESS AGA ..... 29.95	F-15 STRIKE EAGLE 2 17.95	MATH BLASTER PLUS ..... 4.95	SPACE QUEST 4 ..... 12.95	WIZ 'N' LIZ * (Rabbit Rescue) 9.95
BRIAN THE LION ..... 28.95	F-19 STEALTH Fighter 29.95	MEDIAEVAL WARRIOR 12.95	SPACE RANGER * ..... 4.95	WONDER DOG ..... 9.95
BUBBA 'N' STYX ..... 14.95	F-29 RETALIATOR ..... 7.95	MEGABALL 4 ..... 18.95	SPACE WRECKED * ..... 9.95	WORLDS AT WAR ..... 12.95
BUBBLE & SQUEAK ECS/AGA 16.95	F-117 NIGHT HAWK * .. 22.95	MIND GAMES (Strategy) 9.95	SPACE 1889 ..... 9.95	WORLD TROPHY SOCCER ..... 4.95
BUCK ROGERS * ..... 9.95	Genesis (Landscape Gen) 12.95	MIXED-UP MOTHERGOOSE 12.95	SPECIAL FORCES ..... 22.95	WORMS (68020+) ..... 19.95
BULLY'S SPORTING DARTS 5.95	GLOBDUDE puzzle game 9.95	NAUGHTY ONES (Arcade) 14.95	SPERIS LEGACY AGA ..... 14.95	Worms DIRECTORS Cut AGA 27.95
BURNOUT AGA ..... 39.95	GLOOM AGA ..... 19.95	NEMAC 4 ..... 9.95	SPIDER MAN * ..... 3.95	WRESTLEMANIA (S-F PAC) 11.95
BURNING RUBBER AGA/ECS 14.95	GLOOM Deluxe 020+ .. 22.95	Nigel Mansell Racing AGA 7.95	STAR Crusader AGA ..... 39.95	688 ATTACK SUB ..... 22.95
CANNON FODDER ..... 29.95	GOLF 'Greens 3-D' * ... 4.95	NIGHTSHIFT ..... 7.95	STARLORD ..... 22.95	XP-8 ..... 36.95
CAPITAL Punishment AGA 34.95	GOLF 'International' ... 6.95	NORTH & SOUTH * ..... 9.95	SUBVERSION ( SUB ) ..... 18.95	XTRME RACING AGA ..... 19.95
CHAOS ENGINE 2 ..... 38.95	GOLF 'Jack Nicklaus' ... 17.95	ODYSSEY ..... 29.95	Sleath Affair 'Bond' * ... 6.95	ZEEWOLF (Helicopter) ..... 32.95
CLASSIC ARCADIA ..... 7.95	GOLF 'Sensible World' 37.95	ORK ( With Hint Book ) .. 9.95	SUPERBASE Personal 2 19.95	ZEEWOLF 2 'Wild Justice' 39.95
CLOWN-O-MANIA 1.3 Only 3.95	GOLF 'PGA TOUR' ..... 19.95	OPERATION COMBAT 2 16.95	Super SKIDMARKS ..... 28.95	ZERO GRAVITY ..... 3.95
COALA ( 68020 + ) 'Copter' 29.95	GRAPHICS STUDIO * ..... 3.95	OVERLORD (Air Combat) 24.95	SUP-ST-FIGHTER 2 TURBO 17.95	Zool AGA ..... 3.95
COLONIZATION ..... 27.95	GUARDIAN AGA ..... 18.95	OVERKILL AGA ..... 7.95	Super Space INVADERS * 12.95	Zool 2 AGA ..... 12.95

### GREAT TLAS PD DISKS FOR \$ 1.50 EACH OR 20 For \$ 25.00

HOME & BUSINESS:	GAMES:	GAMES:	EDUCATIONAL:
116 - SPREADSHEETS	22-YATZEE (3-Games)	812-SCORCHED TANKS	800-MATH WIZARD
286 - LABEL Printers	24-Wheel Of Fortune	837-TANIX & REUDA	801-CHEMSTRY
289 - EASY BANKER	44-DOWNHILL SKIING	925-ZAXXON F2/D	853-Night Math Attack
287 - VIRUS KILLERS	70-MISSILE COMMAND	926-CHARR(TANKS)	890-BLACKBOARD
400 - BANNER MAKER	80-PAC-MAN	940-SOLITAIRE CARDS	891-AWARD MAKER 2
449 - BUDGET	103-TETRIS GAMES	950-DELUXE PAC-MAN	892-PAINT IT (Not 1.3)
472 - MULTIDOS/S/D	114-LEMMINGS Playable	964-BOWLING (Dem)	893-Picture Math F2/2X
510 - TUREO-PAL F/1.3	128-SPACE GAMES	1034-EXTREME Racing (Dem)	894-KIDS DISK 5 F2/OX
510-QICKPAL F2/OX	135-HEAT(Zaxx-Clone)	1043-Capital PINBALL (Dem)	938-AM-DOS Manual 2.0x
635-SONIX DRUM KIT	137-BLACKJACK	1049-CAPITAL Punishment(Dem)	981-ALPHABET TIME
671-Kick 1.3 INSTALL	148-BOLDER DASH	1055-NEMAC & DEMON	982-EARLY NUMBERS
788-Best Disk Copies	162-VIDEO POKER	1058-A8 F2 OX-GAME CHEATS	983-FRACTION ACTION
815-Magic Word Search	240-CHESS & PACCCER	1056 - ZEEWOLF ( Dem )	985-Guitar & Piano Tutor
821-DiskSalvage 2.0X+	245-CHECKERS	1530-KINGPIN AGA (Dem)	986-Cats 'An Insight'
902-S-KICK F2/OX	255-PINBALL	1532-Tank Attack 1-Meg	Misc:
905-NewIcons F2/D HD	328-TRIX /WRANGLE	1588-STAR CHARTING	1080-TINY TROOPS Dem
949-ZIP & UN-ZIP	349-OXYD	188-STAR CHARTING	1081-TURBOPRINTE 3.0(Dem)
987-THE LOTTO	378-DOMINOS & CARDS	338-CROSSWORD GEN.	1082-DISK/SALVAGE 2 V11.32
1001-AWEB	433-SCUD-BUSTER	345-COMPUTER TUTOR	1083-Mr Backup Pro 2.1
1104-A8-C MUI 3.8	684-ULTIMATE RIDE	350-DESERT STORM	1008-EaglePlayer 1.54.LHA
1120-3-DX/2.0X Degrador	728-TRODDERS	399-BIBLE PROSPER	1007-Sound-FX.LHA 3.0x
1507-Birthday History	766-Desert Strike (DEM)	495-MATH P.LUS	1009-Aud.ILL CD Music Play
844-Heavy Metal Music	772-POPEYE	669-COSMON/MATH	
852-Church Music	796-MEGABALL 3 ago/ecs	719-ASTRONOMY	
856-DOS Tutor F2/OX	797-FIRESTORM (Dem) *	783-LITTLE TRAVELER	

**SHIPPING CHARGES:**  
U.S. (MINIMUM \$ 6) Averages: 6.75  
CANADA (MINIMUM \$ 8) Averages: 9.50  
C.O.D. Orders U.S. Add \$5.00  
3-rd Day Air and 2-nd Available

**DS/DD AMIGA DISKS:**  
25 BLANK DISKS ..... \$ 14.95  
50 BLANK DISKS ..... 24.95  
10 FORMATTED DISKS .. 8.50  
25 FORMATTED DISKS ... 17.95

\*No Credit-Card Service Fees On Order-  
TLAS is NOT responsible for software performance. 15% rest-fee on returns not exchanged for same. No returns without return number. Shipping charges are NOT refundable. Orders subject to Credit Card Verification. Tell us about your Amiga system and we'll help you avoid programs that won't run on your system. We care about your order!



### S-K BUNDLE: SUPER SKI 3-D, CRAZY CARS, FUSION POINT, HOLE IN ONE \$ 5

WWW.OLE.NET/~CHAOS/TLAS  
TURTLIGHTNING AMIGA WEB SITE - VISIT US THERE  
VALUE-PACK # 6: INFOFILE Database, F40 PURSUIT, PORTS OF CALL, WHO/WHAT/HERE/WHEN, MASTERTYPE: ONLY \$ 1 WITH ANY PURCHASE

FONT-PACK SET: 6-DISK SET \$ 8.00	COLOR CLIP-ART 8-DISKS	CLOSE-OUT PRICES - SOME SUPPLIES ARE LIMITED -
BIBLE SEARCH: 3-DISK SET 6.00	EXCELLENT DEAL FOR \$ 12	ARCHER MCLEANS POOL \$ 4.95
CLIP-ART PACK: 6-DISK SET 8.00	<b>SPECIAL Effects</b>	BASE JUMPERS ..... 9.95
KEYBOARD TEMPLATE FOR D-PART 4 8.95	5-DISK SET OF DIGITIZED	BLOB ANGLERS ..... 4.95
DISK DRIVE CLEANING DISK 4.50	SOUNDS OF ALL KINDS: \$ 6.95	BLUE ANGLES ..... 9.95
MOUSE CLEANING KIT 5.50	AGREAT DEAL FOR ONLY \$ 5.95	CAR LEWIS CHALLENGE * 1.95

CD SUPER SALE: ADVANCED MILITARY SYSTEMS \$ 50!	AMINET SET # 2/3 OR 4 EACH 38.95	AMINET 3, 4, 11, 12 (SPECIFY) ... 4.95	DEFENDERS OF THE EARTH ..... 8.95
AMIGA CD SENSATIONS - DEMOS 14.95	AMINET 13, 14, 15 (SPECIFY) 12.95	BROTAL FOOTBALL ..... 7.95	DINO WARS * ..... 4.95
AMIGA SENSATIONS GOLDEN GAMES 14.95	AMINET 16,17,18 (SPECIFY) 12.95	DESK TOP FONTS/CLIPART ..... 5.95	DOUBLE DRAGON (1.3 SYS TEMS) 1.95
AMINET SET # 2/3 OR 4 EACH 38.95	BUMP AND BURN ( CD-32) ..... 12.95	EPIC PARANORMAL Encyclopeda 34.95	FIRETEAM 2000 ..... 9.95
AMINET 13, 14, 15 (SPECIFY) 12.95	CD PD III ..... 22.95	CH-OS IN ANDROMEDA ..... 17.95	FLAMES OF FREEDOM ..... 6.95
AMINET 16,17,18 (SPECIFY) 12.95	CHAOS ENGINE ..... 7.95	EPIC Encyclopeda (QUAD/AGA) ... 37.95	FOOTBALL MASTERS ..... 3.95
BUMP AND BURN ( CD-32) ..... 12.95	CINDERELLA ..... 9.95	EURO SCENE II ..... 9.95	FULL METAL PLANET ... 9.95
CD PD III ..... 22.95	DEFENDER OF THE CROWN 7.95	EXLE AGA (on CD-32) ..... 17.95	GUNSHOOT * ..... 3.95
CHAOS ENGINE ..... 7.95	FUN SCHOOL 3 ..... 8.95	FIELDS OF GLORY AGA (CD-32) 9.95	HIGH STEEL * ..... 2.95
CINDERELLA ..... 9.95	GLOB EFFECT (CD-32) ..... 7.95	GLOOM AGA OR GUARDIAN AGA 17.95	HUCKLEBERRY HOUND * 4.95
DEFENDER OF THE CROWN 7.95	GUINNESS DISC OF RECORDS 6.95	INSIGHT TECHNOLOGY ..... 6.95	International Sports Challenge* 1.95
FUN SCHOOL 3 ..... 8.95	INSIGHT DINOSAURS ( CD-32) 9.95	POWERDRIVE (CD-32) ..... 14.95	KindWords (processor) 4.95
GLOB EFFECT (CD-32) ..... 7.95	JAMES POND ROBOCOD 2 ..... 9.95	SUPER SKIDMARKS AGA ..... 17.95	KNIGHTMARE ..... 9.95
GUINNESS DISC OF RECORDS 6.95	LEMMINGS ..... 9.95	NEMAC 4 AGA (QUAD SPEED) 42.95	LEGEND ..... 9.95
INSIGHT DINOSAURS ( CD-32) 9.95	17 BIT 2-CD SET ..... 22.95	SCENE STORM ..... 22.95	NIPPON SAFES * ..... 7.95
JAMES POND ROBOCOD 2 ..... 9.95	TOWN WITH NO NAME CDTV 1.95	TOTAL CARNAGE AGA (CD-32) ... 14.95	OVERRUN (COMBAT) ..... 9.95
LEMMINGS ..... 9.95	WS Fortis, ClipArt & Music ..... 4.95	Wild Cup Soccer or Wimbley Soccer. 6.95	POWERSTYX * ..... 4.95
17 BIT 2-CD SET ..... 22.95	SPORTS FOOTBALL ( CD-32) 1.95	WRATH OF THE DEMON (Most Sys) 2.95	REAL GHOST BUSTERS ..... 6.95

<b>AIR COMBAT PAC # 1</b> B-17 FORTRESS DESERT STRIKE THUNDERHAWK SEEK & DESTROY THUNDERBLADE For All 1-Meg Amigas All For \$ 59.95	<b>D &amp; D / ROLE PLAYING # 2:</b> TRIAL BY FIRE BARBARIAN 2 TARAGHAN SHADOW OF THE BEAST 3 1.3 AND 2.0X SYSTEMS: ONLY \$ 19.95 Less than 5 bucks a game
<b>SPECIAL LIMITED OFFER:</b> KEYBOARD TEMPLATE FOR D.PAINT 3 OR 4 1/2 PRICE: ONLY \$ 4.45	<b>VALUE PACK # 99</b> Deluxe Paint 4 AGA, Words- Worth, Print Manager, Oscar, Dennis. All For \$ 29.95

**BY MAIL: SEND TO, TLAS, P.O. BOX 30499, MIDLAND, TX 79712**

**Ground COMBAT PAC # 1**  
OPERATION COMBAT 2, COUGAR FORCE, SPECIAL FORCES, FOR 1.3 AND 2.0X SYSTEMS \$ 32.95

**AGA PAC # 1 (For A1200/4000)**  
JUNGLE STRIKE, WATCHTOWER, SPERIS LEGACY, MARVINS MARVELLOUS ADVENTURE Great Value All Only: \$ 47.95

**AGA PAC # 2 - WOW!**  
ALIEN BREED 3-D, EXILE, FEARS, SKELETON KREW, BUBBLE & SQUEAK COMPARE THIS PRICE: ONLY \$ 49.95



# VoyagerNG

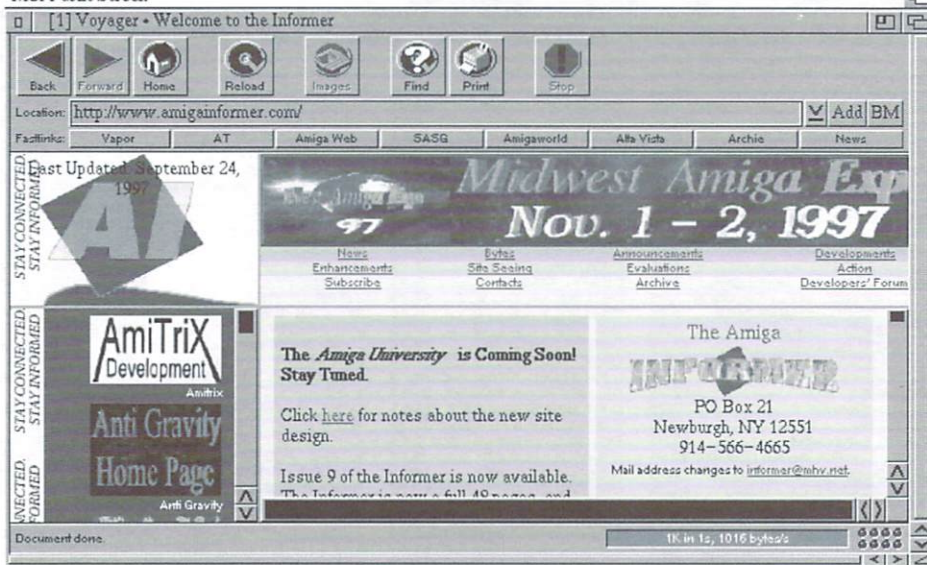
VoyagerNG 2.88 (VNG) from Vaporware is the latest version of one of the big three Amiga Web Browsers. Vaporware is known for a variety of internet products, including VNG, Microdot II, AmIRC, AmFTP, AmTelnet, AmTerm, and NetInfo, and all are aimed at internet connectivity.

It is hard not to compare VoyagerNG to other browsers when doing a review so I will not avoid doing so here. VNG is an excellent web browser, providing users with some of the latest and greatest features in Amiga browsers. It offers built-in GIF, JPEG and PNG decoding, news and mail capabilities, tables and frames support, animated GIF handling, and support for SSL (Secure Socket Layer) for secure on-line credit ordering. It is a very complete Web Browser, able to handle most web sites without any problems.

Previous versions of VNG left something to be desired by comparison to the other major Web Browsers for the Amiga, particularly when compared to IBrowse. This all changed with the latest release of VNG. Now VNG and IBrowse are very close in features, stability and speed. IBrowse has a major contender on its hands with VNG. Both VNG and IBrowse plan to have Java support soon, so the battle should remain close.

The competition among the browsers should prove beneficial to the end users, as they vie for the title of "best and brightest" of the Amiga Browsers. Each of the browsers support features that would be nice to have on the other. IBrowse has a Netstat window that allows the user to selectively abort the downloading of items from a web page while allowing others to proceed, while VNG does not. On the other hand, VNG has built-in PNG support (the successor to GIF graphics), while IBrowse requires an external viewer to handle PNG. There is also the Web Browser AWeb, which still requires some work to come up to the level of the other two. AWeb, requiring datatypes for its GIF, JPG and PNG support, does not support animated GIF's, nor does it have SSL support yet. AWeb does not require the use of MUI, but uses ClassAct for its GUI instead, winning support from those that dislike the high overhead of MUI. AWeb also supports

MUI Public Screen



With built-in PNG decoding, news and mail capabilities, and SSL support, Voyager aims to take the lead in the Amiga browser battle. The crown will be awarded to the first browser to support JAVA.

built-in-FTP, a default mail-to system. These features and others make AWeb a contender in the "Browser Wars," but in my opinion, VNG and IBrowse have the lead at the moment.

The best is yet to come for this product as VNG version 3.0 was recently pre-announced. It will include HTTP/1.1 transactions, Javascript 1.1, integration of the Mail and News applications (similar to Netscape Communicator), FastMem Blitting of images on AGA systems, and a versatile plug-in interface capable of handling streamed network data. It is expected to be shown at the Cologne Amiga show in November.

I did find a few faults with VNG. There are some problems with the HTML parsing, and the browser was not able to handle some web sites correctly. This is not unexpected, as there seems to be some differences in parsing the HTML of web pages for all Web Browsers. The progressive display of pictures was a bit shaky and could use some improvement as well.

Voyager requires OS 3.0 or greater, MUI 3.6 or greater, about 4 Mb of free memory, and 5 Mb of free hard disk space. The archives include two versions of VNG; a 68000 version that runs on any Amiga meeting the requirements, and a "V.030" version that requires a 68030 or better machine with an FPU. It will not run on an EC030 or EC040 machine.

VoyagerNG was tested on an Amiga 3000/25 MHz, 2 Mb CHIP RAM, 12 Mb of Fast RAM, Kickstart and Amiga OS 3.1, and a Picasso IV graphics board running Picasso '96 software. It is easily installed with the standard Amiga Installer script.

A demo version is available at <http://www.vapor.com>, but it only allows a 30 minute test drive before asking the user to register on-line or quit the browser. The product can be registered on-line, by email, or by regular mail. It costs US \$30 to electronically register or US \$35 by mail. On-line documentation is available at the Vaporware website.

I give VoyagerNG an A-. This would have been an A if it wasn't for the problems with its parsing of HTML and barley mediocre progressive display of pictures. I am looking forward to the Java support and some of the integration promised in the next release. With these additions it should be a web browser of the same standing as Netscape or Internet Explorer. VoyagerNG is very good overall and seems to have a bright future ahead of it.

For more info on VoyagerNG you can contact the Author, Olli Wagner, by email at: [owagner@vaporware.com](mailto:owagner@vaporware.com) or visit [www.vaporware.com](http://www.vaporware.com).

Rating: A-

By Bill Schuck



# Game Zone . . . Reviews & Summaries

## Capital Punishment



**C**apital Punishment (CP) from ClickBoom is without a doubt the most advanced and graphically impressive beat-em-up game ever produced for the Amiga. I guess that's why nearly every European Amiga magazine gave it a 90% or better rating. Capitol Punishments 256 color 2D graphics are so impressive that they sometimes interfere with playing the game as you catch yourself admiring them. I often found myself staring at the multiple shadows and light sources and watching the background animations of running water, waving fauna, and flickering bolts of electricity. The game music and digitized sound effects are very high quality and truly add atmosphere to the settings.

Capital Punishment allows up to four players and has seven different game types. I found League to be the best for beginners since at the end of the tournament the warrior with the most points wins. The game has four characters to choose from, each of which has his or her own special moves. I like the degree of realism in the moves: no projected balls of energy or vanishing acts here. The options menu and advanced options menu allow you to change nearly every aspect of the game. I was most pleased to learn that you can turn off the treacherous traps.

In the main Epic mode you fight your way to the top of evil lord Qwesul's castle and dethrone him. Even with the difficulty level set at training it's still extremely challenging. The gameplay is very solid and responsive but if you don't know the moves and cannot get a hit in early you'll be dead within few seconds. Selecting player vs. player without an actual human opponent is a good way to familiarize yourself with the many moves.

A sticker on the outside of the box warns you to first copy over an lha.key file to your hard

directory. After doing this installation is effortless.

The game comes with a poster that doubles as it's manual. I did run into some problems and the poster/manual was of little help. Disk 7 contains an interesting letter from the programmer and a tiny technical document, neither of which helped.

Capitol Punishment was first released as v1.0 and this version was constantly locking up or crashing my computer. Now CP is shipping v1.1 as standard with an updated installer that solves many of it's earlier problems. The new installer no longer requires you to inform it of the presence of an 060 processor. After acquiring the new installer I did a complete reinstall of CP. I found that not only was it much more stable but I was able to run it from Workbench. I did have to shut down all running programs and go to liores and a minimum palette, but it worked fine. If ordering Capital Punishment from a dealer, make sure it ships with v1.1.

Capitol Punishment is extremely chip RAM hungry. If you run into any problems getting CP to work properly, here's what I recommend. At boot-up, hold down both left and right mouse

buttons. Now, from the early start-up control select 'boot

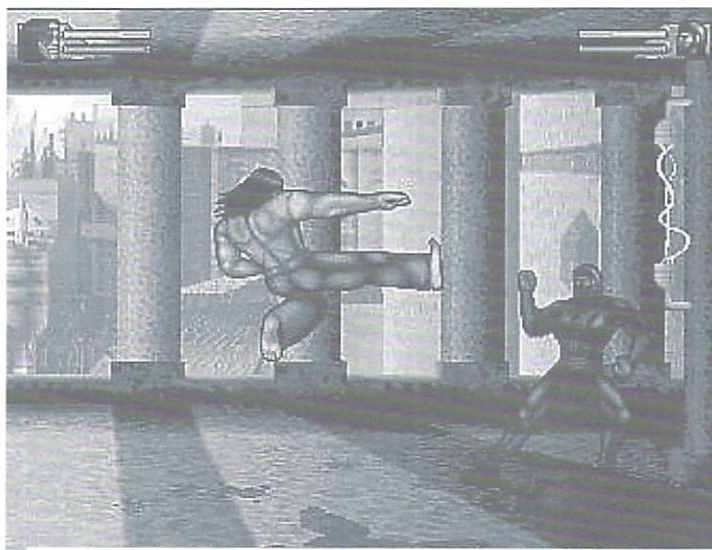
options' and disable all devices except DH0: and DH1:, then select 'use' then boot with no start-up sequence. If you have CP installed in Work:Games/CapitalPunishment, at the prompt change directories (type 'CD' followed by the above path) to that directory, and type Execute CP. The game should boot fine and be extremely stable. Even if you're using the boot disk (an installation option), I still recommend disabling all devices except DH1: to free as much chip RAM as possible. Curiously, I tested Capital Punishment on my A1200 060, but found that it worked just as well if not better when I disabled the 060 and reverted to the 020.

Capital Punishment requires an AGA Amiga with at least 2 Mb of RAM with more recommended and 15 Mb of hard disk space. It contains violence and partial nudity, but includes a parental lock to disable them. If you're a beat-em-up fanatic or if you have someone to play against then Capital Punishment is for you. If you're a sole player in search of a fun fighting game then I'd recommend something like Mortal Kombat or MKII for a more lighthearted difficulty level. I give it a rating of B+, due mainly to the absence of a real printed manual and lack of performance increase on an 060 CPU.

Capital Punishment is available from any Amiga dealer for around \$34.95 and a demo, FAQ sheet, and more info about Capital Punishment is available from ClickBoom's web page at [www.clickboom.com](http://www.clickboom.com).

Rating: B+

By Jerimy Campbell



For a big dude, that long-hair sure can jump! Kick some butt, or more likely, get your butt kicked, with the most graphically advanced beat-em-up game for the Amiga.



# Alien Formula One

**A**lien Formula One (AF1) from Italian programmer/engineer Paolo Cattani is one of the most ground breaking game demos to come out on the Amiga in some time. Remember when Stardust came out and had rendered/raytraced graphics, great sound and stunning tunnel sequences? No one could understand how the programmer managed all that on a standard A500. It just hadn't been done

before. The Alien F1 demo shares that similarity. It all boils down to talented programming and taking advantage of all the Amigas available resources.

Alien Formula One is a racing game that sports RISC processor-like graphics normally seen only in Arcades and on consoles. I always knew the Amiga was capable of these type of graphics but thought it would take deep pockets to produce. I never would have imagined that a Formula One simulation of this

caliber would come from a solitary individual.

AF1 will work well on any AGA Amiga with at least a 25 Mhz 020 and some fast RAM. As impressive as the texture-mapped/light-sourced/gouraud-shaded 3D graphics are, they wouldn't mean much if it wasn't for the high degree of realism that's achieved. One of the more notable features is the Virtua-cockpit, rendered in real time 3D, which allows driver head movement and an unparalleled first person perspective.

Although the game is in its infancy and there's not actually a race to be won, it still has the ability to satisfy your need for speed. The mouse control is sensitive and will take a bit of practice, but once you get the hang of it you'll have a tough time quitting.

Installation is as simple as dragging the AF1 drawer to wherever you want it. Double clicking the program icon brings it up almost instantly. To top off all this intelligent programming, the game actually multitasks and makes for one heck of a screen blanker. At one point I dragged my double NTSC workbench screen down and had AF1 running smooth as silk in the upper left hand corner.

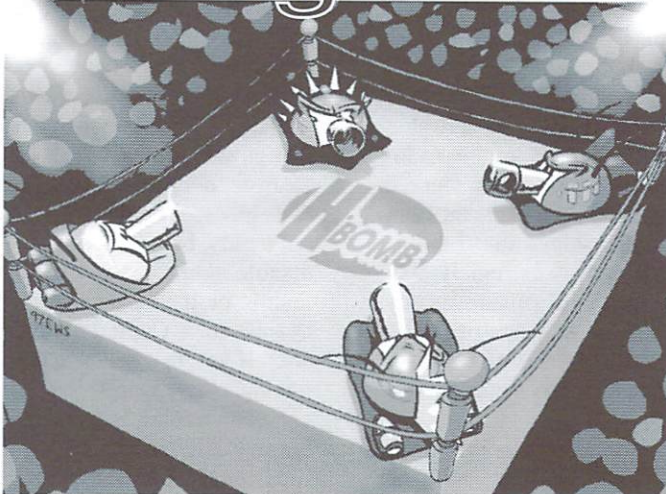
If you're a racing enthusiast or if you just want to impress someone with your Amiga then you've got to get a copy of this demo. It's currently available on several Amiga magazine cover disks and can be downloaded from Aminet in the game/demo directory. Paola Cattani has yet to sign with a publishing company.

By Jerimy Campbell



Learn to use the keyboard shortcuts of a program to save time. If you can't remember the shortcuts of each program, print out a list of the most used ones and tape them to your monitor for quick reference. You will find that before long you won't have to use the mouse as much and will save a great deal of time because your fingers never need to leave the keyboard.

## Coming Soon...



### Features

- 24 bit, 16 bit, or 8 bit display (16.7 million to 256 colours)
- Sound card support with AHI
- Playable from CD-ROM
- 2 to 4 players
- Network enabled
- Fully multi-tasking!
- Map editor included

### Requirements

- CyberGraphX™ or Picasso96™
  - AHI software (freeware)
  - CD-ROM drive
  - AmigaOS 3.0+
  - 030/25, 030/50+ recommended
  - 3 to 8 MB RAM
- free depending on display



CyberGraphX™



AHI



2 to 4



Network Enabled



For more information visit: <http://www.auroraworks.com>  
 Aurora Works Inc. 358-114 Queen Mary Rd. Kingston, ON, K7M 7E8, Canada  
 All registered and unregistered trademarks are the property of their respective owners







# OSHAWA AMIGA

OSHAWA, ONTARIO, CANADA  
PHONE: (905)728-7048  
FAX: (905)728-4118  
E-MAIL:  
MJACULA@IDIRECT.COM  
HTTP://WEB.IDIRECT.COM/  
~OSHAMIGA

**Canada's BEST Amiga  
Mail Order Company!**

*Here are just  
a few reasons  
to shop with us:*

- 1) Our prices are always below suggested retail.
- 2) Reliable delivery via UPS anywhere in Canada or U.S.
- 3) We have access to a wide variety of Amiga hardware, software, and accessories.
- 4) Informer subscribers always save on shipping rates on any order over \$200 (Canadian funds).
- 5) We are exclusively 100% Amiga.

# AMIGA®

*"Shopping at  
Oshawa Amiga means  
you won't need to shop  
anywhere else."*

## F1 Software

Premier High-Quality, Low-Cost  
Amiga programming

Now Available in North America  
from

*Sagittarius Software*

Write or call for a free  
disk catalog!

Phone: 1-800-426-7687

Mail: *Sagittarius Software*  
1706 Canton Road  
Akron, OH 44312  
USA

Or browse online at <http://sagsoft.ald.net>

### Over 150 Titles!

SIMM Adapters !!!  
for A3000(D&T) and A2386SX

**AmiFAST 3000**  
for the A3000 Desktop \$89  
featured in AC's March 1997 issue

**AmiFAST-II**

for the A3000T (takes two)  
and A2386 Bridgeboard \$39  
Also works with 486SX chip upgrades!

**Also, SCSI Chips \$22**  
AMD Replacement for WD33C93A Rev.8

**ProvTech**

R. R. 4 Box 72, Washington, IN 47501  
VOICE/FAX (812) 254-1721

E-Mail: provtech@hotmail.com

Let Advertisers know you saw their ad in The Amiga Informer!

LIGHTWAVE - ALL PLATFORMS

# VIDEO & ANIMATION HQ

## TOASTER/FLYER

# Amiga Service Center

### Hardware & Software



Phase V Power Up  
Graphic and  
Accelerator Cards  
TBC's and Genlocks  
Lightwave Plug-ins  
Lightwave Tutorials  
LAN and Internet  
Software

JAZ and DAT  
Removable Media  
CD-ROM Writers  
A4000T and A1200s  
Multi-Platform Networkin  
23 GB Hard Drives  
AMIGA CD32, Hardware  
and Software



MONITORS - VIDEO - MULTIMEDIA

REPAIR - UPGRADES - NETWORKING

## THE LIVELY COMPUTER

8314 Parkway Drive, La Mesa, Ca 91942

Voice: (619)589-9455 Fax: (619)589-5230

Email: [tlively@connectnet.com](mailto:tlively@connectnet.com)

NEW!

### IN-STORE ALPHA RENDERING

<http://www.iworks.com/tlc/>

### MANY EUROPEAN ITEMS IN STOCK

### NONLINEAR EDITING



# LIAGE INTERNATIONAL, INC.

36 DYE STREET  
GARNERVILLE, NY 10923

PHONE: 914-786-1711 FAX: 914-786-1708 ORDERS: 1-800-25-AMIGA (OUTSIDE OF NY)

YOU JUST CAN'T  
BEAT OUR PRICES!!

## LIAGE CD

CALL FOR OUR  
FULL CATALOG

# BLOW-OUT SALE

Special:

Amiga Informer subscribers get an additional 10% off their orders. Just tell us you're a subscriber, give us your name and you'll save money!

ADVANCED MILITARY SYSTEMS	\$1.99
ARTWORX 97 CD	\$4.99
AMERICAN HERITAGE DICTIONARY	\$4.99
ASSASSINS 2 CD	\$5.99
AGA EXPERIENCE 2	\$8.99
AGA TOOLKIT 97	\$8.99
AMINET # 20	\$18.99
AMINET SET # 4	\$29.95
AMINET SET # 5	\$31.95
BUMP N BURN CD	\$5.99
EURO CD 97	\$7.99
FRESH FISH VOLUME 9	\$3.99
FRACTAL UNIVERSE	\$3.99
GFX SENSATIONS	\$7.99
HOTTEST 6 CD	\$7.99
INTO THE NET/OUT OF THE NET	\$15.95
INSIGHT DINOSAURS ENCYCLOPEDIA	\$5.99
LIGHT ROM 3	\$8.99
MULTIMEDIA TOOLKIT (4 CD SET)	\$10.99
MAGIC PUBLISHER (4 CD SET)	\$10.99
MAGIC ILLUSIONS	\$5.99
LSD COMPENDIUM DELUXE 3	\$8.99
SOUNDS TERRIFIC (4 CD SET)	\$6.99
SPACEBALLS	\$5.99
SPECIAL EFFECTS CD	\$6.99
SUMMER OLYMPICS	\$3.99
SPECCY CD 97	\$5.99
UTILITIES EXPERIENCE	\$3.99
WEIRD SCIENCE CLIP ART SET (NEW)	\$6.99
1078 WEIRD TEXTURES	\$6.99
3D IMAGES	\$5.99
3D OBJECTS	\$5.99
CD 32 SPORTS FOOTBALL	\$1.00

### LIAGE 10 PACK # 1

ACTION FIGHTER  
LIAGE QUAD PACK  
BOPPIN  
BATTLESTORM  
DARKMAN  
DARK SIDE  
HILL STREET BLUES  
INTN'L SPORTS CHALLENGE  
THE STEALTH AFFAIR  
NAUGHTY ONES

**SALE PRICE** **\$19.99**

### LIAGE 10 PACK #2

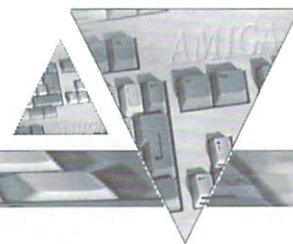
ROTOX  
ROADKILL  
SOCCER TEAM MANAGER  
TOTAL ECLIPSE  
SUBVERSION  
TIGER ROAD  
TACTICAL MANAGER  
RUFF N TUMBLE  
VAXINE  
BIG BUSINESS

**SALE PRICE** **\$19.99**

CALL FOR A COMPLETE LISTING OF OUR ADULT TITLES



# Ask Dr. Amiga



By Oleg Moskalensky

**Question:** The only way I can get my A2000 to recognize a disk in my Zip drive is to boot the computer with the disk already in the drive. Also, when I change Zip disks the Amiga does not recognize the new disk; I have to re-boot the machine for this to happen. Is there a reasonably simple way to get an A2000 to recognize these Zip disks?

**Answer:** Your problem is a common one. The main 'remedy' is to name your disks with the same PHYSICAL name. Each Amiga disk, regardless of type, has 2 names - LOGICAL and PHYSICAL associated with it. Physical names are usually DH0: or DH1: or DF0: etc. Logical names are "My Drive", "Amiga Disk" or anything else you can dream up. The physical name gets set up during the partitioning process. The logical name is set during the high-level formatting and can be easily changed by simply clicking on the disk's icon and selecting 'Rename' option from the Workbench menu.

Make sure that all of your Zip cartridges have the same PHYSICAL name like ZipDisk, for example, and you'll be fine as far as changes of cartridges go. You can still format them or change their logical names to be whatever you want (like Graphics, Music etc.), but you'll always be able to access the current cartridge by using the name ZipDisk: (if you use my example for physical name).

**Question:** Every time I print a picture, it comes out too dark. For example, recently I printed a full color picture from a PageStream 2.2 document. The colors

Oleg Moskalensky has been in the computing business for the past 17 years, working on a variety of hardware and software, including design, development & implementation of just about any business computing task imaginable. If you have an Amiga related question you would like to ask the Dr., point your browser to The Informer's homepage at [www.amigainformer.com](http://www.amigainformer.com) or send email to: [pcs@accessone.com](mailto:pcs@accessone.com). You can also visit Oleg's webpage at: [www.accessone.com/~olegm](http://www.accessone.com/~olegm).

are correct, just far too dark to see many details. Seems almost like a contrast problem. I also have Turbo Print 5 running on my system.

**Answer:** This is a common 'ailment.' First, what printer are you using? If it's an Epson Stylus and you're using the PageStream driver-DON'T. Get the program called Enprint and after installing it as the driver, use the Workbench driver option from PageStream. You'll get much better results.

Also, if your pictures come out too dark, just load them into an image processing program and turn up the gamma quite a bit (you can also adjust gamma, brightness, color and contrast with the TurboPrefs/graphics settings of Turbo Print 5). Then use the new image instead of the original when printing the document. I would recommend saving it with an alternate name, instead of overwriting the original file, since the gamma version will not be usable anywhere else.

**Question:** I have a friend still running WB1.3 who screwed up the root block on her hard drive. Everything is still there, but she can't save to it. All the repair programs, such as DiskSalv, only work on more recent OS's. Any advice?

**Answer:** This is a situation that requires 2 major steps:

- 1) Backup all the data, you still should be able to read the drive. In fact making a duplicate backup, just in case, wouldn't be a bad idea.
- 2) Reformat that partition of the hard drive and restore the backups. You must keep several things in mind here. Normally AmigaDOS validates itself. The size of the partition, the number of files and the kind of Amiga it is, will determine how quickly it can do so, but it will try to do it on its own, provided there are no additional errors (such as

checksum error on the drive). The important step is NOT to reboot the machine while the validation is going on. If you do, it might complicate things. If you get additional errors, the validation will NOT be completed on its own. To see if the validation process is complete, simply open up a Shell and type INFO, the offending drive would either show Read/Write or Validating.

Before reformatting the hard drive, make sure that you have a bootable Workbench floppy and your backup program on a floppy. If you can't boot or don't have the restore software, you're not going to get far.

If this sort of thing happens relatively often (some people just like to reboot even when the hard drive is being accessed, which automatically screws up validation), I'd recommend setting up a small boot partition (maybe 3-5 Mb in size) and using it only for basic system files and maybe fonts. That way if the validation needs to be done on the boot partition, it will go very quickly because of its small size and relatively small number of files.

I would highly recommend your friend upgrade to AmigaDOS 3.1, she'll do herself a huge favor for less than \$100.

**Question:** Is it possible to connect an Amiga to a monitor which was designed for a PC. Would I have to make up a new cable?

**Answer:** It is definitely possible, but it does depend on the Amiga model. The first generation Amigas (1000/500/2000) needed a special card to be able to hook them up to a PC-type monitor. The second generation (1200/4000) do NOT. Some PC monitors don't work, but most decent ones do just fine. You select the appropriate video mode from Prefs, like DoubleNTSC/DoublePAL or Productivity







and you can use Amiga with a PC monitor.

You don't need any special cables. The Amiga 4000 comes with an adapter that converts the regular RGB port to 15-pin VGA port and you hook up your PC monitor, using the cable that came with it, directly to that adapter.

**Question:** I use an SGI machine at work, but have an Amiga at home for personal use. I'm not that clever at using it beyond loading and running a piece of software. I need to find out how to compress and uncompress LHA files, where the program to do this can be found, and how it is used.

**Answer:** The program you need is called LHA and it is available on Aminet (util/arc/LhA\_e138.run). Copy it to your SYS:C directory and you'll be able to use it from any shell. If you simply type LHA without parameters you'll get a page of help and options.

Open a shell and "CD" (change directories) to the directory that contains the files you wish to work on.

**To Archive a file(s), type:**

lha a [the name you want to call the finished archived file] [the name of the file(s) you want to be archived]. This will archive the file(s) into one LHA file.

**To unarchive a LHA file, type:**

lha x [filename]. This will extract all of the contents of an LHA file and leave them in the current directory.

You can use Directory OPUS to manipulate lha archives as it provides a one click means to archive/dearchive. It's a phenomenal program that has features already working that Microsoft is promising in Window98.



On Boot up, the Amiga goes through several self tests and flashes through different colored screens. You may have a hardware problem if it stops on a particular color. Here's what the colors mean:

- Dark Gray: initial hardware and CPU test failure.
- Light Gray: initial software test failure.
- Red: ROM error.
- Green: Chip RAM error.
- Blue: Custom chip error.
- Yellow: CPU error before the system's error-trapping code (GURU) was in place.

## From Here The View Is Super con't from page 23

Editor, a game level editor.

The author Andreas Kleinert deserves a very honorable mention. He is very active and available for debugging and development, as well as attentive, patient and courteous. Not only did he develop this project, but he has continually updated it, and he also is one of the only programmers attempting to update the Amiga's sorely out of date datatypes. If you don't use SuperView, I'd at least recommend getting his datatypes for JPEG and PNG available on Aminet (look for akJPEG and akPNG).

So, why would I install an entire new set of datatypes? Simply because the old set of datatypes is just too old. It doesn't support the newest formats and devices. That and the support for this new set of libraries makes them necessary for a number of upcoming image processing programs. I think if you take the time to install SuperView, you'll agree that it is well worth the space and effort required.



# NATIONAL AMIGA

AMIGA PRODUCTS AND SERVICES INTERNATIONAL

[www.nationalamiga.com](http://www.nationalamiga.com)

World's largest online Amiga shopping experience.

Some of the fine products we carry:



## New and Used

Hardware · Software · Accessories · Books  
Toaster Flyer Systems · Networking · Chips · Parts  
Canada's Largest Amiga Service Centre,  
Yes, we repair A1200's and A4000's

## WORLD WIDE AMIGA DEALERS

### NATIONAL AMIGA

A DIVISION OF ARCHTECH INCORPORATED

Phone: 1.519.858.8760 Fax: 1.519.858.8762

email: [sales@nationalamiga.com](mailto:sales@nationalamiga.com)

111 Waterloo St. - London - Ontario - N6B2M4

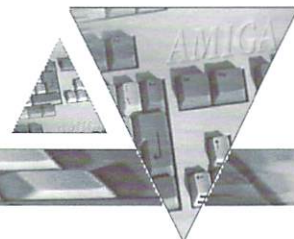
Mon-Sat: 10-6 EST

### FREE CATALOGUE!

Call, write, fax or  
email for your free  
catalogue on disk!



# Contacts



## Dealers

**JW's Lil Shoppe** 509-525-5582  
340 S. 4th Ave  
Walla Walla, WA 99362  
Fax: 505-522-4243  
Email: jolson@wwics.com  
BBS: 505-522-8485

**Glacis Computers Inc.** 403-282-9779  
#363 918-16th Ave NW  
Calgary, AB Canada T2M 0K3  
Canada and USA: 1-888-5GLACIS  
Fax: 403-282-7797  
Email: glacis@spots.ab.ca  
URL: <http://www.spots.ab.ca/~glacis>

### Info Plus

1828 Notre-Dame  
Trois-Rivieres, QU, Canada G9A 4Y1  
Email: infoplus@quebecvoice.com  
URL: <http://web.idirect.com/~infoplus>

## Web Sites

### [www.blackdown.org/~hwb/hwb.html](http://www.blackdown.org/~hwb/hwb.html)

A huge selection of computer diagrams and pinouts charts with lots for the Amiga, including parallel, serial, keyboard, Zorro slot and monitor information. If you every need to assemble a particular Amiga cable or component, check this site for detailed diagrams.

### [www.tfs.net/~eivanov/](http://www.tfs.net/~eivanov/)

Huge site full of Amiga game related coverage. This site includes game news, upcoming game release schedules, commercial game cheats and tips, a large selection of PD games to download, downloadable commercial game demos and a ton of links to game developers.

### [www.clearlight.com/~dietmar](http://www.clearlight.com/~dietmar)

One of the best text editors for the Amiga (or any platform) is GoldED. If you use GoldED or want to know more about it, this site is a must. It contains loads of GoldED environment add-ons, user written add-ons, tips, FAQ's and a question and answer area. Top notch support for a top notch shareware program.

### [www.halcyon.com/robin/www/arexxguide/main.html](http://www.halcyon.com/robin/www/arexxguide/main.html)

If you ever wanted to learn how to use ARexx, but didn't know where to start, this is the place. A truly comprehensive site by Robin Evans which uses an AmigaGuide style of HTML to present details and tutorials on using ARexx.

**Digital Castle** 515-266-5098  
4046 Hubbell Ave., Suite 155  
Des Moines, IA 50317-4434  
Email: sheep@netins.net

**Slipped Disk** 248-546-3475  
150 West Twelve Mile Rd  
Madison Heights, MI 48071  
Email: slippeddisk@voyager.net

**Video Hardware Svcs.** 603-627-5337  
99 Blaine St., Suite 2  
Manchester, NH 03102  
Fax: 603-626-8821  
Email: visionware@juno.com

**DVS Direct** 814-371-5640  
69 Beaver Dr., Suite 110  
DuBois, PA 15801  
Fax: 814-371 2033  
Orderline: 800-379-7267  
Email: jed@penn.com  
URL: <http://www.dvsdirect.com>

**Computer Concepts** 452-481-3666  
18001 Bothell Everett Hwy, Suite O  
Bothell, WA 98021  
Fax: 425-483-6905  
Email: concept@conceptsnet.com

## Advertisers Index

AmiCON - Midwest Amiga Expo	15
Amiga Crossing	18
Amiga International	9
Amitrix Development	13
Anti Gravity Products	45
Aurora Works	36
Centsible Software	30
Commodore Country	37
De Vine Computer Sales	24-27
Gamasoft	Back Cover
Haage & Partner	18
IAM	44
Liage International, Inc.	39
Mr. Hardware Computers	13 & 15
National Amiga	41
Nova Design, Inc.	21
Oshawa Amiga	38
Paxtron Corporation	31
Provtech	38
Randomize	47
Safe Harbor Computers	13
Sagittarius Software	38
Software Hut	16 & 17
The Lively Computer	38
Turtle Lightning	18 & 33
VideoLink	32
VisionSoft	19
Wonder Computers, Intl	2
Y/C Plus	43





# AMIGA COMPUTER

13"  
RGB  
27"  
BETACAM

20"  
CDI



Y/C Plus has teamed with the Professional division of Philips to offer a new line of color monitors with low cost solutions for basic Amiga computer and other video needs. All of the new monitors have the following inputs in common: *RGB, Y/C (S-Video), Composite, Audio and 181 Channel Cable TV inputs*. The monitors have a host of different cables to interface directly to either Amiga Computers, CDI players, Quad Splitters or any RGB (15.75 kHz) signal.

The **YCP-13M** is the lowest cost 13" Color Monitor for the Amiga computer in the market place. The **YCP-13M** includes the 23 db female cable to connect to any Amiga computer. The monitor is a perfect replacement for the Commodore 1084 Color monitor.

The 20", 25" and 27" Color Monitors are available in several different configurations and they utilize the Philips SmartCard® monitors which offer an array of plug-in SmartCard® modules. These SmartCard® modules can easily be replaced as your video needs change without having to replace the entire monitor.

The "M" series of monitors includes the Amiga Computer cable for a larger and easier to see computer status screen.

The "R" series of monitors includes RGB input and a 6 foot cable with (4) BNC connectors is included.

The "B" series of monitors include the BetaCam video signal along with the RGB input. The monitors are supplied with a 6 foot cable. Please note the monitors require sync input, which can be reference video or composite video can be used for sync if reference video is not available.

All monitors can be ordered with the 15 pin RGB cable to connect to CDI players.

### RETAIL PRICING:

#### AMIGA MONITORS

YCP-13M	\$439.00
YCP-20M	\$599.00
YCP-25M	\$799.00
YCP-27M	\$899.00

#### RGB MONITORS

YCP-20R	\$649.00
YCP-25R	\$849.00
YCP-27R	\$949.00

#### BETACAM MONITORS

YCP-20B	\$699.00
YCP-25B	\$899.00
YCP-27B	\$999.00

EFFECTIVE JUNE 1ST, 1997

## CALL FOR A DEALER NEAR YOU!

*Complete details concerning all of our products including owner's manuals is available at [www.ycplus.com](http://www.ycplus.com). The E-Mail address is [ycplus@kspress.com](mailto:ycplus@kspress.com).*

*New Area Code "785" will Start July 20, 1997*

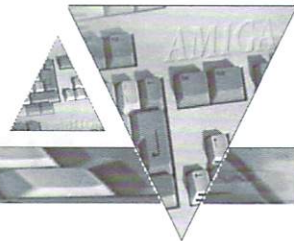
**310 SW 6TH AVE. TOPEKA, KS 66603-3109**  
**913.235.5014 800.586.1700 FAX 913.235.3485**

**[www.ycplus.com](http://www.ycplus.com)**

Y/C PLUS® IS THE REGISTERED TRADEMARK OF Y/C PLUS, INC. SMARTCARD IS THE REGISTERED TRADEMARK OF PHILIPS ELECTRONICS, INC. BETACAM IS THE REGISTERED TRADEMARK OF SONY ELECTRONICS INC.



# Marketplace



Classified space is available for subscribers to advertise used Amiga products. Each ad must be 30 words or less, and no more than 2 ads per person. All prices are in US \$ unless otherwise noted. (We are not responsible for the validity of posted ads.)

For Sale: ICD KickBack ROM switcher w/Manual \$25; ICD ADIDE (Disk, Manual, Cable) \$35; Spirit OctaByte/X-RAM board (A500/A2000) FULL 8 Mb on board w/ (Disk, Manual, A500 adaptor board & case) \$65; Spare adaptor board \$8. Email: MisterBig@playboard.com

Wanted: Will trade my ham radio for Amiga related stuff; or Amiga stuff for other Amiga stuff. Write: Tony WA9YOZ, 4623 E 25th Ave., Lake Station, IN, 46405.

For Sale: Add on Lemmings \$5, Super Double Dragon, CD32: Diggers, Faldo's Golf, Mansell's Championship- \$10 each. 2286 Bridgeboard \$50. DOS 2.04 kit for A3000 \$25. CineMorph, Imagine, Pen Pal \$15 each. Call 205-729-8867

For Sale: A3000 25MHz, 2Mb Chip/4Mb Fast, 100Mb HD, 1.76Mb floppy, asking \$550; Gamer's Guide \$10. A1200 Insider Guide \$15. UK magazines with disks \$0.50-\$1. Mac Emulation Pro For Emplant \$25. Call 205-729-8867

For Sale: Commodore A2386SX 25 MHz Bridgeboard, with 2 Mb RAM. Manuals, DOS 5.0, and Janus software included; \$50 obo. Call 914-564-7227 or email: lancel@mhv.net

For Sale: AIR ROM-matic ROM switcher w/manual \$15; 8520A CIA's \$18 for pair; MC68000 16 MHz CPU \$10; MC68010 12 MHz \$8; Super Denise 8373 \$25; A1010 3.5" drive \$20; OS 2.04 (Disks, manual, ROM's) \$10; A500/A600/A1200 Power Supply \$35. Email: MisterBig@playboard.com

For Sale: Video Toaster 2000 Card w/2.0 software, including Lightwave. Works in any Amiga with a Video slot. Complete with all manuals in original box \$450 + Shipping. Call 203-348-3237 or Email: bchadwick@compuserve.com

For Sale: Classic Squirrel SCSI interface for A1200/A600. All software but no manual, \$40 obo. Call 914-566-9580 after 6 pm EST.

Want better printing results from your ink-jet printer but don't want to spend mucho bucks on super-special paper? Try using 20-pound, 25% cotton paper. It's less expensive than special ink-jet paper, and the better paper keeps the ink from bleeding excessively and makes colors more vibrant.

## Intangible Assets Manufacturing



We make cool Amiga Stuff.  
(And a couple of neat books.)  
Want Some?

[www.iam.com](http://www.iam.com)  
[info@iam.com](mailto:info@iam.com)



Search: <http://www.antigravity.com> OR @ 1649 16'th Street, Santa Monica, CA 90404, USA

## infinitiv Towers-

The *infinitiv 1300 Towers* basic systems include: 2MB Chip Ram, OMB Fast Ram, OMB HardDisk, 880KB floppy, 150watt PS, keyboard, 3.1 OS & Manuals

A1300 16MHZ-020 ( 1.3 MIPS*)	\$685
A1300 50MHZ-030 WITH MMU (10 MIPS*)	\$895
A1300 40MHZ-040 WITH MMU & FPU (30 MIPS*)	\$1175
A1300 50MHZ-060 WITH MMU & FPU (39 MIPS*)	\$1325
A1300 175MHZ 603e (250 MIPS*) & 50MHZ-030 WITH MMU (10 MIPS*) +SCSI-2	\$1335
A1300 200MHZ 603e (280 MIPS*) & 40MHZ-040 WITH MMU & FPU (30 MIPS*) +SCSI-2	\$1565
A1300 200MHZ 603e (280 MIPS*) & 50MHZ-060 WITH MMU & FPU (39 MIPS*) +SCSI-2	\$1865

## The *infinitiv 1400 Towers* systems add to the *infinitiv 1300* :

5 Zorro-II Slots, Pass-Through Expansion-Slot, Optional Video Slot	
A1400 16MHZ-020 ( 1.3 MIPS*)	\$885
A1400 50MHZ-030 WITH MMU (10 MIPS*)	\$1085
A1400 40MHZ-040 WITH MMU & FPU (30 MIPS*)	\$1375
A1400 50MHZ-060 WITH MMU & FPU (39 MIPS*)	\$1525
A1400 175MHZ 603e (250 MIPS*) & 50MHZ-030 WITH MMU (10 MIPS*) +SCSI-2	\$1535
A1400 200MHZ 603e (280 MIPS*) & 40MHZ-040 WITH MMU & FPU (30 MIPS*) +SCSI-2	\$1765
A1400 200MHZ 603e (280 MIPS*) & 50MHZ-060 WITH MMU & FPU (39 MIPS*) +SCSI-2	\$2065

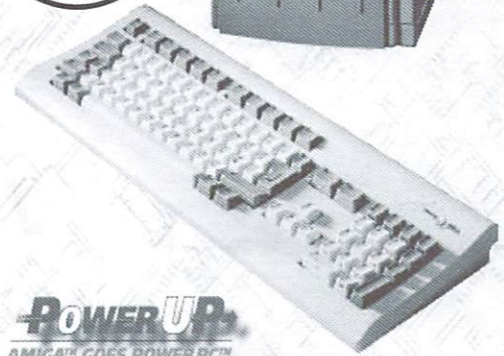
## The *infinitiv 1500 Towers* systems add to the *infinitiv 1300* :

5 Zorro-III Slots, A3/4000 CPU Slot, Fast SCSI-2 controller, Pass-Through Expansion-Slot, Optional Video Slot	
A1500 16MHZ-020 ( 1.3 MIPS*)	\$1185
A1500 40MHZ-040 WITH MMU & FPU (30 MIPS*)	\$1675
A1500 50MHZ-060 WITH MMU & FPU (39 MIPS*)	\$1975
A1500 150MHZ 604e (n/a MIPS*) & 25MHZ-040 WITH MMU & FPU (19 MIPS*) +SCSI-3	\$2165
A1500 150MHZ 604e (n/a MIPS*) & 40MHZ-040 WITH MMU & FPU (30 MIPS*) +SCSI-3	\$2215
A1500 150MHZ 604e (n/a MIPS*) & 50MHZ-060 WITH MMU & FPU (39 MIPS*) +SCSI-3	\$2525
A1500 180MHZ 604e (n/a MIPS*) & 25MHZ-040 WITH MMU & FPU (19 MIPS*) +SCSI-3	\$2295
A1500 180MHZ 604e (n/a MIPS*) & 40MHZ-040 WITH MMU & FPU (30 MIPS*) +SCSI-3	\$2345
A1500 180MHZ 604e (n/a MIPS*) & 50MHZ-060 WITH MMU & FPU (39 MIPS*) +SCSI-3	\$2655
A1500 200MHZ 604e (350 MIPS*) & 25MHZ-040 WITH MMU & FPU (19 MIPS*) +SCSI-3	\$2455
A1500 200MHZ 604e (350 MIPS*) & 40MHZ-040 WITH MMU & FPU (30 MIPS*) +SCSI-3	\$2495
A1500 200MHZ 604e (350 MIPS*) & 50MHZ-060 WITH MMU & FPU (39 MIPS*) +SCSI-3	\$2795

## Other *infinitiv* Products & Optional Add-Ons

A1200 <i>infinitiv</i> Tower Case Upgrade 1300	\$325	Blizzard 1230	\$215
A1200 <i>infinitiv</i> Tower Case Upgrade 1400	\$525	Blizzard 1240T	\$335
A1200 <i>infinitiv</i> Tower Case Upgrade 1500	\$825	Blizzard 1260	\$645
Top Case 5.25"	\$55	Blizzard 2060	\$775
Top Case Snap-In 3.5"	\$25	Blizzard 175MHZ 603e/030 Socket	\$575
Video Slot Adapter	\$95	Blizzard 175MHZ 603e/50MHZ-030	\$625
PCMCIA Right-Angle Adapter	\$75	Blizzard 200MHZ 603e+/040-060 Socket	\$725
Power Supply 200Watt with power-in adapter	\$85	Blizzard 200MHZ 603e+/50MHZ-060	\$1175
Keyboard Case	\$85	CyberStorm MKII 40MHZ-040	\$495
SCSI-2	\$135	CyberStorm MKII 50MHZ-060	\$795
Cyberstorm 64 3D 4MB	\$285	CyberStorm 150MHZ 604e/040-060 Socket	\$895
Scandouler/loop thru module	\$125	CyberStorm 150MHZ 604e/50MHZ-060	\$1345
MPEG Module	\$185	CyberStorm 180MHZ 604e/040-060 Socket	\$995
Pentitator VS-200MHZ	\$1995	CyberStorm 180MHZ 604e/50MHZ-060	\$1445
Pentitator VS Pro-200MHZ	\$2495	CyberStorm 200MHZ 604e/040-060 Socket	\$1095
Pentitator VS Dual Pro-200MHZ	\$3995	CyberStorm 200MHZ 604e/50MHZ-060	\$1545

Order and Win a New *infinitiv 1300 Tower*



**POWER UP**  
 AMIGA™ GOES POWER PC™

**Siamese System \$395**

Anti Gravity Products Welcomes You To  
**antigravity.com**

### ◆ Enter And Win Sweepstakes!

4 Ways to Enter: 1) You can be entered each time you: 1) Place an order by calling Anti Gravity's sales line and ask to be entered the promotion. 2) Place an order in our storefront location and ask to be entered the promotion. 3) Place an order on our web site at [antigravity.com](http://antigravity.com) and fill out the registration form. 4) Or place an order by mail or hand print your name, company name, and address (including zip code) on a 3' x 5' piece of paper and mailing in a addressed #10 envelope, with first class postage affixed, to: Anti Gravity Products' Sweepstakes, 1649 16'th street, Santa Monica, CA 90404. Limit one entry per envelope. No mechanically reproduced entries permitted. Entries must be postmarked by 3/15/98 and received by 3/25/98. There is no purchase necessary. Only open to U.S. residents only who are 21 years of age. Winner will be selected in a random drawing on or about 3/30/97 from all eligible entries received. One prize of an *infinitiv 1300 16MHZ-020* tower computer (\$685.00) will be awarded and winner notified by mail. Odds of winning will depend on the number of eligible entries. Acceptance of prize constitutes permission to the sponsor and its agencies to use winner's name and/or likeness for purposes of advertising and trade without further compensation, unless prohibited by law. By participation in this promotion, entrants agree to be bound by the official rules and the final decision. For complete rules or name of prize winner send a separate, self addressed #10, stamped envelope to: Anti Gravity Products' Sweepstakes, 1649 16'th street, Santa Monica, CA 90404.

**Terms and Conditions:** Call for complete shipping rates, warranties, and other policies that apply. Quantities are limited and prices are subject to change without notice. Anti Gravity Products (AGP) accepts COD orders payable by cashier's check only. Payment must accompany all purchase orders. We are able to offer quantity discounts to dealers and system builders. Orders may be paid by Visa/Mastercard. All sales are final. No refunds. Defective exchanges are for same product only and must have a Return Material Authorization number (RMA), be in original packaging, and condition. No guarantees are implied as to product performance with your system or as to manufacturers claims and specifications. A 20% restocking fee applies to all exchanges of unlike products or any orders that are cancelled after shipping. All orders cancelled must obtain a cancellation number. All exchanges are at our option. This advertisement, its contents, and its style are the Copyright of AGP and cannot be duplicated without express written permission. All trademarks are the property of their respective companies. \*Approximate MIPS Rating

Thank You For Stopping By Our Homepage! Browse Or Search In Any Area On The Left. Then Place Your Order Through The Internet! Or By More Traditional Methods- By Phone Or In Person In Our Showroom!





The Amiga World Is Reading The Informer

# Are You?

Stay Connected – Stay Informed

Call Toll Free

# 1-888-88-AMIGA

Subscribe Today!

## AMIGA



Announcing  
Informer's  
ing web-  
Amiga

The  
challeng-  
based  
Trivia

### Contest - Amiga University!

Visit our website to enroll in the contest and enter the Sweepstakes. Just a few of the exciting prizes you could win are: Aladdin 4D from Nova Design; PageStream 3.3 from SoftLogik; and, ArtEffect 2.0 or DrawStudio 2.0 from Haage & Partner. Stay tuned for the Grand Prize announcement. This Sweepstakes is open to anyone, no purchase necessary.

So brush up on your Amiga trivia and visit [www.amigainformer.com](http://www.amigainformer.com) to enter the Informer's "Amiga U" Sweepstakes!

Limited Time Offers For Subscribers ONLY!

Until 12/31/97 Trans Data Systems is offering a 15 to 23 pin horizontal scan doubler to subscribers for US \$21; a savings of 15%. This unit allows any Amiga to output to any 30Khz SVGA monitor. All modes will work on the SVGA allowing you to use low-cost PC monitors on your Amiga. Contact Trans Data Systems toll free at 1-888-842-6583 and tell them you are an Informer subscriber. Visit [www.webworldinc.com/transdata](http://www.webworldinc.com/transdata) for full details.

**AEMail Limited Time Offer.** The shareware fee on this Internet email client is reduced to US \$24 through 12/31/97. This is a 20% savings from the normal US \$30 shareware fee. Be sure and include your name and address as it appears on your Informer subscription label and write "Informer Subscriber" on the registration form. Visit [www.calweb.com/~jzachar/](http://www.calweb.com/~jzachar/) for full details on AEMail.

### Benefits For Subscribers

Receive a 15% discount on labor costs for all repairs from Trans Data Systems. You are also eligible for huge savings on their Blitz Sales Items. Full details at [www.webworldinc.com/transdata](http://www.webworldinc.com/transdata) or call 1-888-842-6583

You'll automatically receive via email the on-line newsletter, Amiga Update by Brad Webb

You'll receive a 10% discount on all orders from Liage International (just tell them you're a subscriber). Call 800-252-6442 or 914-786-1711

You can place free classified ads for used Amiga products in each issue

## Informer Subscription Form I10

The Informer is printed six times a year. Rate for six issues is (in US dollars) \$15 USA, \$18 Canada, and \$28 all others. Personal checks (USA only), Money Orders or Bank Checks must be in US dollars and made payable to **Eldritch Enterprises**. Mail payment to: The Informer, PO Box 21, Newburgh, NY 12551-0021. Credit Card orders call toll free 1-888-88-AMIGA (subscription orders only). We are not responsible for cash sent through the mail.

PLEASE PRINT

Name \_\_\_\_\_ Date \_\_\_\_\_

Address \_\_\_\_\_ Phone ( ) \_\_\_\_\_

Email \_\_\_\_\_

How did you get The Informer?

Method of Payment: VISA  MasterCard  Check or MO

Credit Card No.: \_\_\_\_\_

Exp. Date: \_\_ / \_\_ Signature \_\_\_\_\_





# Randomize

www.randomize.com



Order Line: 1 888 RANDOMIZE  
(1 888 726-3664)  
Phone: (905) 939-8371  
Fax: (905) 939-8745

Sales e-mail: sales@randomize.com  
Support e-mail: support@randomize.com  
Website: www.randomize.com

## 24 Bit Graphics Accelerators

### CyberVision64/3D 4MB



The CyberVision64/3D is an auto-sensing Zorro II / Zorro III board that works in the A2000, A3000(T), A4000(T) or an A1200 with a Zorro adaptor. Based on the S3 Virge Chipset, the CyberVision64/3D provides incredible value and performance supporting 1024 x 768 in 24 bit. A4000 scandoubler and MPEG options available.

### CyberVisionPPC



Made specifically for the expansion connector on the CyberStormPPC and Blizzard 2604, the CyberVisionPPC provides an outstanding 3D performance of up to 42 million textured 3D pixels per second, with hardware-accelerated rendering functions such as z-buffering, gouraud-shading, fogging, blending and anti-aliasing. As the design of the PERMEDIA hardware suits perfectly for OpenGL implementations, it's 3D performance can support the OpenGL functionality of CyberGraphX V3 Native which comes along with the PowerUp boards.

The CyberVisionPPC used 64-bit wide SGRAM with a data transfer rate of up to 660 MB/s; this in combination with the fast RAM-DAC allows display resolutions of up to 1280x1024 pixel in true color mode and with a high refresh rate of at least 70Hz.



Randomize is pleased to bring Micronik's line of new Amigas to North America including:

#### Infinitiv A1300

- AGA Chipset
- 020 with A1200 connector
- 2 MB Chip Ram
- High Density Floppy

#### Infinitiv A1500

- AGA Chipset
- 020 with A1200 connector
- A3000/4000 CPU connectorn
- 2 MB Chip Ram
- High Density Floppy
- 5 x Zorro II/II, 2 x ISA, 2 x PCI
- Video Slot
- Fast SCSI II Interface



#### Infinitiv A1400

- AGA Chipset
- 020 with A1200 connector
- 2 MB Chip Ram
- High Density Floppy
- 5 x Zorro II
- 2 x ISA, 2 x PCI
- Video Slot

Phase5's accelerators and graphics cards are a perfect match for the infinitive including the new PowerUP boards!

#### Micronik Classic Tower

We also carry Micronik's line of Tower cases for the A1200, A2000, A3000 and A4000. Contact us for details.

**For Complete Product Information**  
Visit our website at <http://www.randomize.com>

# POWERUP

## AMIGA™ GOES POWERPC™

# CYBERSTORM PPC

is now shipping for 3000(T) and 4000(T)

These boards have both a 680x0 CPU and a PPC 604e cpu on them.  
Choose your speed combination:

#### CyberStormPPC (A3000(T), A4000(T)) & Blizzard 2604 (A2000)

680x0 CPU	PPC604e CPU
040 25Mhz	604e 150Mhz
040 40Mhz	604e 180Mhz
060 50Mhz	604e 200Mhz

#### Blizzard 603e & Blizzard 603e+ (A1200)

680x0 CPU	PPC603e CPU
030 50Mhz	603e 175Mhz
040 40Mhz	603e 200Mhz
060 50Mhz	603e 200Mhz

CyberStorm & Blizzard 2604 has an Ultra-Wide SCSI controller, an expansion connector for the CyberVisionPPC board and can accommodate 128MB of fast 64 bit

Blizzard 603e & 603e+ has a Fast SCSI II controller and can accommodate 64 MB of fast 64 bit Ram.

### Upgrade your Cyberstorm or Blizzard accelerators to PowerPC.

Phase5 promised upgradability of your CyberStorm and Blizzard accelerators to PowerPC ... and now its here. You must have received a upgrade coupon from Phase5 to be eligible for upgrade pricing. You must have mailed your CyberStorm or Blizzard registration card to Phase5 in order to have received the upgrade coupon.

### Upgrade any 040 or 060 to PowerPC.

Upgrade to PowerPC Power via Phase5's PowerPC boards by using the 040 or 060 CPU on your current accelerator. This can include any 040 or 060 chip that is currently being used on your current accelerator board.

### 680x0 Accelerators

Phase5 still provides power and economy with some great deals on 680x0 boards. The current lineup of accelerator includes:

<b>A3000(T)/A4000(T)</b> Cyberstorm MKIII 060 Cyberstorm MKIII 040ERC includes Ultra Wide SCSI	<b>A2000</b> Blizzard 2060 Blizzard 2040ERC Includes Fast SCSI	<b>A1200</b> Blizzard 1260 Blizzard 1240T/ERC Blizzard 1230 Blizzard SCSI Kit
---	---	---



### AmigaOS 3.1

AmigaOS 3.1 provides many benefits and is often required for many applications.

<b>Benefits</b> Datatypes for graphics and audio Quicker screen refreshand Faster operating system operations	<b>Required</b> For new graphics board including PicassoIV CyberVision64/3D For Phase5 accelerators including new PPC Most internet applications
--	--

# Randomize Direct

Randomize is pleased to offer Randomize Direct, your direct source for Phase5, Micronik, Index Information, VillageTronic, Biocon and other off shore products.

Visit our web site for complete product availability, pricing and ordering at

[www.randomize.com/rdpricing.html](http://www.randomize.com/rdpricing.html)

or contact us via email at sales@randomize.com or call 1-888-726-3774 to order.

### Why Randomize Direct?

- 1) Availability - Randomize maintains the best stock in North America of currently shipping Phase5, Micronik, and VillageTronic items.
- 2) Pricing - Buying direct saves you money.
- 3) Technical Support - Randomize has extensive experience dealing with technical, installation and configuration insues as they relate to Phase5 and VillageTronic equipment\*.

\* very limited technical support is provided due to the nature of direct sales. If you feel you will not be able to self install your purchase or be able to self diagnose problems, we recommend contacting your local Amiga dealer.



# The countdown is over.

# WEB CRUISER

FINALE

- + Full HTML 3.2 with Frames
- + JSAmi JavaScript Built In
- + Multiple Browsing Windows
  - + 24bit Image Display
  - + Internal decoders for GIF, JPEG, GIFAnim, PNG
  - + HTTP, FTP, and Gopher
- + Direct CyberGFX v2+ support
  - + Also supports Picasso96
  - + Fully MIME compliant
  - + HTTPS compatible

Are you  
ready for liftoff?

- + Fast ClassAct Interface
- + Integrates with New York news,
- + Voodoo or your favorite Emailer
  - + Accurate color breakdown
  - + No loss of color fidelity on true color screens
- + Support for embedded files
  - + Compatible with MOca Java Virtual Machine
- + Table background colors
  - + datatypes for formats that aren't supported internally
  - + multiple interface styles

[www.mtch.com/~twalling/gamasoft](http://www.mtch.com/~twalling/gamasoft)

313.365.8414

GamaSoft

Dealer Inquiries Welcome. Java is a trademark of Sun Microsystems. Visa/MasterCard accepted.

The Ultimate Amiga Web Browser

The Amiga Informer

PO Box 21  
Newburgh, NY 12551-0021

