



THE BLITTER

Journal of the Philadelphia Amiga Users' Group

V.5.2 February - 1993

THE COMPUTER GROUP FOR THE CREATIVE MIND

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The February PAUG Meeting

by Jerry D. Hedden - I have the pleasure of being your host for the February meeting. We have a full agenda this month that should have something of interest for everyone. Of special importance is the nominations for next month's elections. Proposed agenda for the February meeting:

1. **Meeting starts at 12:30.** We will start promptly, so get there early.
2. **Introduction of Officers**
3. **Greetings to new members and attendees.**
4. **Announcements:**
 - a. Paula Harvey will provide information about the Amiga World Computer Show to be held in New York in April. Plans for bus travel to the show for club members will be discussed.
 - b. Attendance by all interested members at the General Business Meeting to be held the Tuesday after the Club Meeting will be discussed.
 - c. Information concerning the Trenton Computer Fair that will be held in April will be discussed.

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PICK A CARD...

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The Blitter is available by mail for all members of the users' group.

Philadelphia Amiga Users' Group a "shareware" users group. All privileges of membership in PAUG are available to Amiga enthusiasts for \$20/year dues. PAUG is not just for those who already know about the Amiga. We are here to help you learn.

From the President

by *Edward I. Gee* - Boardwatch Magazine, once again, is holding it's Readers Choice BBS Contest; the contest where you get to vote for your favorite BBS. The Top ten BBS's will get a trophy and a free ad in Boardwatch Magazine. But everyone who votes will be entered in a sweepstakes drawing. Winners will receive a US Robotics or Hayes Optima modem (and we're not just whistling 9600 baud here). Last year we placed 40th. This year we hope to do better.

We will also be giving away PAUG T-shirts on a first come first serve basis. You don't have to be early, you don't have to be a member, you just have to be THERE. Like last month, there will also be another free raffle, but we have not yet decided what the prizes will be.

At the meeting in March we are planing to have another White Elephant Sale. This is a computer flea market where you get to dust off that old printer, genlock or memory expansion box and have an oportunity to buy or trade for

another person's disk drive, monitor or software. Anyone who has picked up a recent copy of Tradin' Times has a good idea of how much Amiga equipment is up for sale. These people are upgrading! So we thought this would be an excellent time for anyone who is moving up to the new AGA machine to give others an opportunity to pick up on some real bargains.

The March meeting is also the month in which we hold our annual elections. We are still in need of more candidates. The only requirements to become a candidate are membership in PAUG and a personal commitment of time and interest on your part. The officer positions are President, Vice President, Secretary, Treasurer, Newsletter Editor and Librarian. Your participation in the activities of PAUG will not only make a difference, it will also be the only thing that makes anything possible for anybody.

Meetings: The Philadelphia Amiga Users' Group meets on the second Saturday of every month at 12:30 PM in Drexel University's MacAlitser Hall, 33rd & Chestnut Streets, on the fifth floor. All are welcome. Bring friends.

PAUG BBS: We maintain a four line modem accessible, electronic bulletin board system. It is available 24 hours a day. Parity: 8N1. Anyone may call but PAUG members have extended privileges.

Line #1 215-551-1485 9600 > 14,4 Baud (US Robotics Dual Standard)
Line #2 215-551-6113 2400 > 14,4 Baud (US Robotics HST)
Line #3 215-551-1120 2400 > 14,4 Baud (SupraFaxModem v.32bis)
Line #4 215-551-1121 2400 > 14,4 Baud (US Robotics HST)

Author's Guidelines: We encourage everyone to contribute original articles and graphics to this newsletter. When doing so, please follow these guidelines. Submittals should be sent to the Editor via modem (through the PAUG BBS or personally by making prior arrangements) or on disk to our mailing address. The deadline for any month is the third Monday before the following meeting. The deadline for the March issue is February 22nd. PAUG is not obligated to return unsolicited materials. All materials requesting returns must be accompanied by a self-addressed stamped mailer.

THE BLITTER

Workbench? No: Weirdbench! Just for Fun

COMPUTE's Amiga Resource is happy to announce an irregular new column beginning in the March 1993 issue. Written by comp.sys.amiga's Dan Barrett, the column is entitled WEIRDBENCH and its focus and style will be familiar to BLAZEMONGER fans throughout the universe!

Every WeirdBench column will concentrate on the WEIRD and STRANGE aspects of the Amiga... information that you cannot get ANYWHERE else. For example, did you know:

1. In Sweden, it is illegal to put a live panda into your floppy disk drive?

2. The Amiga was actually developed by the "Mrs. Pauls" Fish Fillet Company?

3. 880K floppies can be changed into high-density (1.7 MB) disks by using THE POWER OF YOUR MIND?

4. The new Workbench has secret BACKDOORS where you can find the lyrics to all of Dave Haynie's favorite music, translated into assembly code?

These are just a few examples of the kind of USEFUL, PERTINENT information you'll find in WeirdBench. Are there any questions?

"Why is the column called 'WeirdBench'?" Well, we wanted to call it "Irving Does Dallas", but the name was already taken.

"Will WeirdBench simply be reprints of Dan's old articles from comp.sys.amiga.advocacy?" *No -- it is all new material, except for part of one column which introduces, um... a "well known" Amiga arcade game.*

"Why are you making up questions and asking them to yourself?" *Don't ask.*

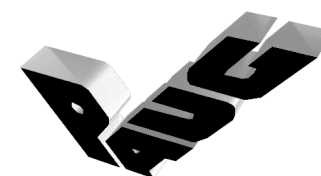
So watch for WeirdBench -- the new column from the creator of BLAZEMONGER, PHRASEMONGER, SPAZMONGER, AmigaDOS 17.0, and the TURING MACHINE! Coming in March 1993 in COMPUTE's Amiga Resource.

...February Meeting continued from cover

- d. The club will hold a "White Elephant Sale" at the March Meeting.
5. **Amiga News and Information.** Please bring any articles, magazines, etc. related to the Amiga to the meeting to share with your fellow members.
6. **Questions and Answers.** Here's where you can get help from your fellow members on the problems you've been having with hardware, software, operations, bugs, etc. Be prepared by bringing all the information you can related to your particular problem. If it is buggy software, bring it in so we can try it on our machines and, hopefully, fix it.
7. **Nominations for Officer Elections in March.** Nominations for the following offices will be taken: President, Vice President, Secretary, Treasurer, Librarian, Editor. I strongly encourage all of you to consider running for office. It is only through your support the club will thrive. In addition to officer elections, we will be taking nominations for names for the club newsletter.

8. Feature Presentaions.

- a. Marc Rifkin will be demonstrating the Amiga 1200.
- b. Carl Feltner will be demonstrating the use of ARexx with the Video Toaster.
- c. Jerry Hedden will demonstrate the latest release of Power LOGO; a full-featured Amiga version the LOGO computer language.
- d. Last, but not least, Adrian Demarais will show us the PAUG Disk-of-



Philadelphia Amiga Users' Group

Join us the
second Saturday
of every month.

From hobbyists to
professionals, there's
something for everyone;
And bring a friend.

THE BLITTER

PAGE 3

IBM and Mac: GET OUT OF THE

by Marc Rifkin - Just as the other guys' marketing and hype about personal computing, desktop video and multimedia was starting to take hold, reality suddenly set in. PC's and Macs can't do everything. They were designed to do very specific things and you have to spend a fortune in order to do anything more than word processing and desktop publishing. Even if that's all you need to do, the new Amiga 1200's price changes that question. Very shortly, we are going to witness a revolution in which all of us Amiga users, who have quietly waited and worried will benefit from an explosion of new hardware, software, and opportunities. So to all IBM and Mac worshippers, "please get out of the way."

The Mac/PC technologies have a major limitation: they are not video compatible. People have always asked "Is it IBM compatible?" They believe that Windows is a "standard" and that video is going to be brought into the computer. Considering there are many more televisions and VCRs than PCs, shouldn't it be the other way around? Video is the most prevalent standard in the world, and the Amiga is already compatible.

The concept of computer literacy has become obsolete. Becoming computer literate required a tremendous amount of effort in order to perform just basic tasks. Automobiles, typewriters, and microwaves are not so difficult. Why bother anyway when people have already become video literate. As communication becomes more and more visually dependent, the necessary tools need to be usable and accessible by more people. The Amiga is video's equivalent of the pencil and paper.

"Video is the most prevalent standard in the world, and the Amiga is already compatible."

Evidence of the Amiga's prevalence is everywhere- on television, in movies, cable TV info channels, kiosks, schools... everywhere where it's important to communicate to a maximum number of people at a minimum cost with the greatest effectiveness.

Commodore's previous lack of advertising is irrelevant; Commodore has done exactly what necessary: it has created an advanced platform with which developers can produce the best solutions for personal and desktop applications than any other computer. Several developers, notably Newtek, have taken the opportunity to put the Amiga to uses that other systems can't do for the same price. Now we have Amilink, Personal TBC's, InfoChannel and others.

Apple and IBM know their products are obsolete, but of course they won't admit it. They just keep on spoonfeeding the masses with smaller and smaller advancements as they get pushed closer and closer to the video barrier. Meanwhile, they're collaborating on a new breed of computers that will be multimedia-ready. But it will be too late.

So while the other guys are trying to play video in their windows, we will have the valuable ability to take our ideas from the computer to video, where the rest of the world can see it.

Thinking about getting more involved in the users' group?

Elections for officer positions are being held this March.

Positions: President, Vice-president, Secretary, Editor, Librarian, and Treasurer.

Even if you can't be an officer, you can still contribute.

Commodore U.S. Announces Significant Price Reductions:

(West Chester, PA -- February 1,) Commodore Business Machines, Inc. today announced it has significantly reduced the U.S. Manufacturer's Suggested Retail Price (MSRP) on several of its Amiga (R) series multimedia computers and peripherals. The substantial price reductions of up to 45% will affect the popular Amiga 2000, the powerful Amiga 3000T workstation series and the CD-ROM based, interactive CDTV (R) player.

"In today's competitive environment affordability is a key factor when computer buying decisions are being made. While Commodore has long been recognized as a price performance leader, these pricing moves will keep us forefront in the minds of decision makers," said Geoffrey Stillely, vice president of

sales. "The new lower prices of the Amiga 2000 and 3000 series machines, combined with their powerful features and flexibility,



will strengthen Commodore's position within the demanding multimedia marketplace."

Commodore Business Machines, Inc., based in West Chester, PA, is Commodore's U.S. subsidiary. The company manufactures and markets a complete line of Amiga computers and peripherals for the business, education, government and consumer markets. The company's worldwide installed user base of Amiga computers is nearly four million.

Commodore (R) and CDTV (R) are trademarks of Commodore Electronics Limited. Amiga (R) and AmigaDOS are trademarks of Commodore-Amiga, Inc.

A2000
with 1084S Monitor
Was \$1539
Now \$1299

A3000-25/50
Was \$2729
Now \$1499

A3000-25/100
Was \$3379
Now \$1799

A3000T-25/100
New \$1859

A3000T-25/200
Was \$4499
Now \$199

A3000T-040/200
Was \$5998
Now \$2875

A2630/4
Processor Board
Was \$1799
Now \$1299

A2386SX-25
Bridgeboard
Was \$959
Now \$649

CDTV Player
Was \$999
Now \$599

Amiga 1200: First Impressions

by Mike Levin - Well, I made the plunge. I'm the owner of a shiny new Amiga 1200. Over a year ago, I spoke to the Commodore Board of Directors about the lack of such a machine in the Amiga product line and Mr. Medhi Ali conceded that the "next generation" of Amigas were to be revealed within 18 months. It's only about 14 months since that time and two new Amigas based on a new "Advanced Graphics Architecture" (AGA) have been released. All of my product-based concerns have been answered with the A1200.

From the first time I saw the A1200, I knew it was my favorite of the Amiga line of computers. It's sleek design, it's amazing support of monitors and TVs, its use of PCMCIA cards, support for internal hard drives, and it's low price were too much to resist. The basic computer was \$595 on the power-up program. With the addition of a 120Meg hard drive and a 4Meg PCMCIA DRAM expansion card, the price-tag was over \$1200. That's right; the drive and memory cost more than the computer, and brought me into the price range of Intel 80486-based computers. So, if you're planning a similar purchase, consider your needs very carefully.

I wanted more than the 2Megs chip RAM which comes with the A1200, so I had to make the choice between the only currently available bottom-door expansion card made by Microbotics (which includes a math co-processor and plenty of room for RAM expansion), or a 16-bit 4Meg credit-card-style PCMCIA card. The PCMCIA card cost \$245, about \$100 less than a Microbotics board equip with 4Megs. I went with the PCMCIA

card, leaving the bottom-door free for some future accelerated board equip with a clock (which is currently missing from the A1200).

I was somewhat disappointed to see how the PCMCIA cards stick halfway out of the computer when they're plugged in and that they don't lock into place. Because of this, you must be very careful when using a card configured as system RAM because if it is knocked out (easy to do), the system will automatically reboot.

The use of PCMCIA cards is one of the outstanding features of the A1200. It is a versatile expansion port allowing for autoconfiguring devices, modems, networking cards, and bridgeboards. But at first, the main use of this port will be for simple RAM cards so small that they can fit in your wallet. This is what I purchased.

"The use of PCMCIA cards is one of the outstanding features of the A1200."

It should be noted that there are 2 types of PCMCIA RAM cards. The less-desirable type (which I have), dynamic RAM cards can not store their memory when the computer is turned off, so they can only be used as system RAM and must be plugged in when the system is powered-up. They can not be used as removable diskettes, and the AmigaDOS program called Prepcard can not be used on them. Dynamic RAM cards also cost about a quarter of the price as their brothers - static RAM cards.

Static RAM cards can be configured as a diskette with the Prepcard

program, acting like a very fast floppy diskette (which may be inserted and removed while the computer's power is on). The advantage here is versatility. While a removable RAM disk would not likely be the primary use for an extra 4Megs, I could see a scenario where it is used it as system RAM while making an animation in Deluxe Paint (bringing total RAM to about 6Megs), saving the animation first to hard drive, and then re-configuring the RAM card to be a disk, and copying the animation to the card-disk for easily moving it to another Amiga. It is quicker than using floppy diskettes. The only problem is that a 4Meg static RAM PCMCIA card costs around \$1000. Ouch.

The operating system defaults to 640x200 so that almost any monitor you initially connect to it will function. This includes televisions, Commodore 1084 monitors, and multiscan monitors. Only VGA monitors will take some extra work. A person will probably have to hook the computer to their television and make some preference adjustments before they can connect a VGA monitor. This adjustment will stop the television from displaying the Amiga's output, so have the VGA monitor close by.

One of the nicest things about the Amiga's new graphics is that any resolution works with any graphics mode, so that you can have a HAM8 image (256,000 colors) on a screen with 800x600 resolution. Further, such an image may be larger than the screen so that you may quickly scroll around. With 800x600 resolution, the pixels have a very square aspect ratio. This particular combination of colors and resolution is not compatible with NTSC video, but makes for an incredible

foundation for desk-top-publishing or image processing software. Now, lets hope the Amiga developers can do justice to the new hardware.

For video, you can use a resolution of 1280x400 (greater with overscan) with 256,000 colors on-screen. Objects such as text can easily be made to reveal no jaggy pixels in this resolution. Smooth text can now be laid over photorealistic backgrounds. This was difficult to accomplish on a stock Amiga computer before the AGA chipset. The one drawback is that such images will take almost half of the computer's total chip memory to display. You can always cut yourself back to less colors so that you may animate or use transitions.

An IDE hard drive controller is already built into the Amiga 1200, so buying a hard drive is a little different than it used to be. The reduced expense of not having to buy the controller is offset by the high price of IDE hard drives. I bought a Seagate 121Meg hard drive for about \$400. An 80Meg drive costs \$100 less. I am told that the price of 120Meg hard drives will be coming down soon. I couldn't wait.

I looked at the motherboard of the Amiga 1200. I'm not an engineer, but I have seen a lot of computer motherboards, and I can say that the 1200 easily has the smallest, most highly integrated mother board I've ever seen. There are several large IC chips which all appear to be of Commodore's own design, with the exception of the 68020, which looks like the smallest IC on the board. The Motorola 68020 CPU which Commodore uses is a cost-reduced version running at 14MHz with no math co-processor or memory management unit. This means that when you're installing productivity software and it gives you a choice of an accelerated version or a 68000

version, you will usually have to choose the 68000 version or the software will crash.

No matter how good a computer's hardware is, it is ultimately only as useful as its software (unless you're a programmer). So, how could I justify becoming a member of the proverbial bleeding edge? Easy: Deluxe Paint - Deluxe Paint in virtual 24bit real-color! This has been a wish of mine for years and I never really thought it would happen. Digital Creations' Brilliance program, if it delivers on its promises, might eventually usurp DPaint as the king of Amiga Paint/Animation. But for now, I'm looking forward to Electronic Arts' Deluxe Paint 4.5 AGA because it's included with the Commodore

"...when you're installing productivity software... you will usually have to choose the 68000 version..."

Power-Up program.

A demo version of DPaint which doesn't load and save has been released. Unfortunately, it looks like this new version of DPaint is not significantly improved over the last version with the exception the support for the new graphics modes. Maybe this is why they only incremented the version number by half. The biggest disappointment was that from what I could tell, the color cycle range was still limited to 32 colors. I'm looking forward to Deluxe Paint 5.

Other software that already supports the new hardware is Art Department Professional (ADPro), and (believe it or not) SCALA. It is not full support, but SCALA users may appreciate an instantaneous feature with their current software. The fade effect which used to be limited to fades

between 4 color hires images or 8 color lores images will now work between almost any non-HAM pre-AGA images! If you are a SCALA user and don't know what I'm talking about, the fade is that enigmatic "S" in the screen transition choices. It won't work unless you know how to use it. You can now fade between the 16 color backgrounds included with SCALA.

The operating system included with the A1200 is AmigaDOS 3.0. It looks exactly like 2.0. One of the major improvements is the inclusion of CrossDOS. This enables people to use MS-DOS machines (like the laptop I am using right now) and to take a 720K disk from MS-DOS to the Amiga's disk drive and to be able to access the files right from Amiga programs.

But, probably the most impressive thing about the Amiga 1200 is the one-piece design. Although earlier computers such as the Amiga 500 and Commodore 64 also had one-piece designs, the Amiga 1200's support for internal hard drives makes all the difference in the world (no more kludgy A590 devices). Also, between the versatility of the PCMCIA slot and the improved graphics of the AGA chipset, the need for traditional expansion slots is somewhat reduced. It's nice to look at that small machine on the desk which looks barely bigger than just a keyboard and to turn to your friend and say "no, really... That's the whole computer."

COMING SOON:

Commodore®
THE AGA DEMO
BY
MICHAEL LENIN
MARC RIFKIN

FEBRUARY DISK OF THE MONTH

by *Adrian Demarais* - The following list is the contents of Disk 47 of the PAUG library. This new disk will be available at the next meeting to members for \$1.00 and non-members for \$2.00.

PowerLOGO

A dialect of the LCSI LOGO language, similar to Apple LOGO II. Many utilities and examples included: rexpport, turtles, the fractal programs Ferns and Chaos, the psychoanalysis program Eliza, Music, and Turtle-Shell-3D. A semantical analysis network that provides info on a small list of animals is also included.

SYSOP'S CORNER

by *Joe Mollica* - Well it's that time of year again; and by that I mean it's BBS voting time from Boardwatch Magazine. This year I am hoping that PAUG BBS will make it into the Top 10. In order to vote, there are some questions on the ballot that you will have to answer.

The correct name of our BBS is The Philadelphia Amiga Users' Group BBS, please do not use the name PAUG BBS, as it could be confusing or misleading to the vote counters.

Our primary number is 215-551-1485.

They also want to know the primary communication software you use.

Recover

By the author of DiskMaster, this fully functional demo of features apparently destined for a future version of DiskMaster will read your disk, hard or floppy, track by track and recover what it can.

AssignPrefs

Drop it in your prefs: drawer, and when run, it will pop up a requester allowing you to assign logical devices to various directories on your hard drive. It also saves these assigns as icons to your WBStartup drawer if you wish, so that these assigns will be made automatically the next time you boot.

ESRGetString

When called from an Amigados script, these two utils will bring up a string requester with a user assigned default string. The string the user decides to accept will be sent on to the script. ESR uses backtick substitution: echo

`esr type_a_string default` will echo the file chosen. GetString places the result in a variable: getstring TITLE gimmee STRING default VARIABLE string-result echo \$string-result Both of these require 2.x and reqtools.library (included).

FRequest

Brings up the 2.x ASL filerequester and echos the result, or adds it into a command line: frequest HAIL "File to list?" com list lists the file selected in the requester labeled "File to..."

Request

Brings up a window with user-specified text and buttons, which passes the button pushed back to the script as a variable. Requires 2.x

Many callers use JRComm or BaudBandit but what ever software package you use goes there. They also ask for your Primary Modem Manufacturer and Model. For example you might have a Supra 2400 or Courier HST. They also need to know the Highest Speed your Modem Supports.

They also ask you if you use MS windows (Booo Hiss). Since most of you use an Amiga the answer is NO. The rest of the question are self explanatory. You must also sign the ballot, date it and mail it to:

Boardwatch Magazine
Readers Choice BBS Contest
5970 South Vivian Street
Littleton, CO. 80127

If you know of someone who also wishes to vote for the BBS and does not receive our newsletter, see me at

the next meeting as I will have additional ballots. You can also make a copy your ballot prior to filling it in, and give it to a friend.

It is important for you to vote for several reasons. If PAUG BBS makes it to the top ten, there will be an article printed in Boardwatch about us. It will let the rest of the country know that the Amiga does have the support it needs to flourish. But most importantly, PAUG BBS and the Amiga will receive national attention.

In order for PAUG BBS to make it into the top ten, I anticipate that we will need over 200 votes. I implore you, Please vote for PAUG BBS. Every vote counts. Lets make PAUG shine over all the others who don't think that we or the Amiga have a chance.

FRED FISH LIBRARY ADDITIONS:

Disk 781

PowerSnap - A screen text clip and paste utility.

TKEd - An ASCII text editor which can read PowerPacked files. Has an AREXX interface and user definable menus.

TWA - Reactivates window when its screen comes to front.

WBVerlauf - Allows AGA owners to create custom 16 million color background screens.

Disk 782

DFA - An address utility with email and dialing capability.

TwilightZone - A new modular screen blanker.

ValCon - Converts between number systems. Currently supports hex binary decimal and octal.

Yak - Yet Another Komodity. SunMouse only activates when mouse stops, hotkeys, window control, etc

Disk 783

APipe - Another Amiga pipe device.
DiskInfo - Like the INFO command but is more extensive.

HackDisk - Faster replacement for trackdisk.device. Does not support 5.25 inch floppies.

KingFisher - Fred Fish database to 770, supports multiple floppies.

Disk 784

BindNames - Automates directory assigns. (also on PAUG 45)

DirKing - Replacement for List and Dir commands

Lyapunovia - Creates colorful pictures based on a mathematical formula. (also on PAUG 45)

Disk 785

FileStorage - Demo of disk file librarian. Provides a database for files.

RomCon - Converts decimal numbers to roman numerals.

Scrntst - Generates MOIRE pattern to test monitor sweep.

SeePix - IFF viewer/printer. Will modify colors to print correctly.

Showgerb - Displays Gerber plottfiles from various CAD programs.

Timing - A utility to clock the time between two events.

UCD - Changes current directory without pathname information.

YAPS - Opens public screens in any display mode, even AGA.

Disk 786

Hyper - Reads AmigaGuide docs.
IconAuthorDemo - Icon editor, only edits demo image.

Macro - Records and plays back the sequence in which keys are pressed.

RSM - Serial port manager with an Arexx port.

VirusZ - Recognizes over 500 Bootblock and 70 File viruses. (also on PAUG 46)

Disk 787

AppSizer - Tells you the size of disks, directories, or files

GetSC - Gets the colormap of one or more screens.

MakelInfo - Creates AmigaGuide file from TeXInfo .tex, ASCII, or TeX .dvi

RIVER - Extension for the Version command

Scale - Plays up to four musical scales at once, many options.

SetSC - Changes the colormap of one or more screens.

Spartan - Spartan PD SCSI interface driver source code.

Viewtek - View almost any graphic image, including GIF and JPEG. (also on PAUG 45)

Yacht - The familiar 5 dice game, Yahtzee.

Disk 788

Cheats - A massive collection of game loopholes, hints, tips and solutions.

MatchPlay - Enables you to experiment with AmigaDos pattern matching.

MouseAideDemo - Another mouse utility.

NPD - Converts NoisePacker mods to ProTracker mods.

NTSC&PAL - Lets you switch between NTSC or PAL mode.

QC - Gets info on current CLI shell.

Disk 789

MakeDMake - An automated DMake file generator for C.

PongoDemo - Loads, animates and transforms 3D objects. PAL only.

QMouse - A very small, but powerful, mouse utility.

Disk 790

UChess - GnuChess. Requires 68020 or better and 2.0 or later. Supports AGA features.



Philadelphia Amiga Users' Group

Membership Application

Renewal New Member

Name

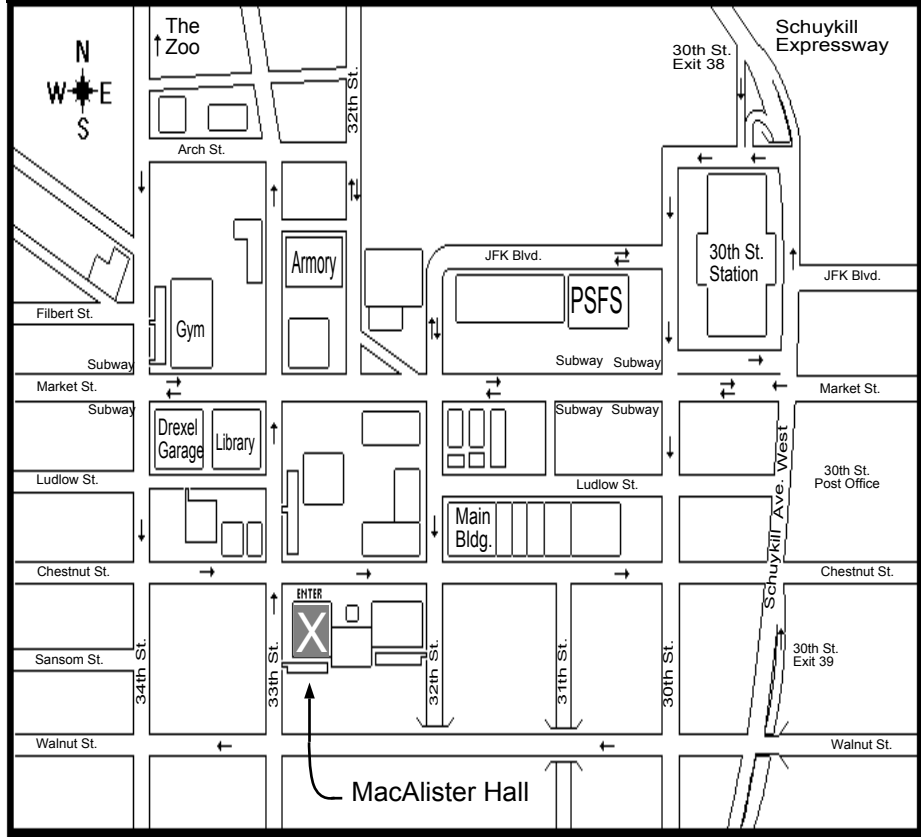
Address

City, ST, Zip

Telephone

Enclosed is my check for \$20.00 made payable to:
The Philadelphia Amiga Users' Group

How to find the Philadelphia Amiga Users' Group



Philadelphia Amiga Users' Group

Post Office Box 8296
Philadelphia, PA 19101

NEXT MEETING:



Drexel University
MacAlister Hall
33rd & Chestnut Streets
Room 5051

First Class Mail - Time Critical Material