

# AmAz!

Amiga .info Arizona

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## VOLUME 6, NUMBER 3 - June 1994

### XENOMIGA TECHNOLOGY ANNOUNCES XENOLINK 1.90

Next Generation Professional Bulletin Board Software  
Copyright =A9 1990-1994 Xenomiga Technology

#### Part 2

The principle upon which Xenolink has been designed:

"If a QuickSort in C is faster than a Bubble Sort in Assembly Language, then let Xenolink be the QuickSort in Assembly Language."

It has been a year since the last release of Xenolink; Version Z.3a.

In that year, Xenolink has been redesigned and completely rewritten, to incorporate the features that users have requested, and to support more ambitious features, some of which are already under development.

Xenolink's efficient new architecture is now faster and more compact than ever.

The changes are obviously far too numerous to list, but a brief synopsis of the areas affected is listed below:

- Attractive AmigaDOS Release 2 interface
- Vastly enhanced security features
- Improved door support
- Completely redesigned FidoNet support
- Decrease in the already low usage of memory and disk space
- Even faster operation than before

➡ *XENOLINK, page 6*

**Next Meeting: 15 June 1994, 7:00 PM**

**Glendale Public Library  
Large Meeting Room  
5959 W. Brown St.  
Glendale, Arizona**

#### AGENDA

Best of Fred Fish	Stan Krawczyk
Disk of the Month	Mel Elliott
On the Ball	Stan Krawczyk
TV Text	Zuma Group
Scorch	Les Carr
Software Drawing	Edge & Space Ranger

**Amiga Arizona is Commodore Official User Group Number 117**

**The Amazing Connection BBS, 24 hours/day, at (602)843-6574. SYSOP: Stan Krawczyk**

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## MEMBERSHIP ROLLS

The following members have joined AmAz! or renewed their memberships since the last newsletter was published.

Christopher Boren	Regular
Bill Frost	Regular
Daniel Dwyer	Subscriber
Stuart Dollar	Subscriber

The mailing label has three digits, three letters and four digits, ie:

116 Reg (Sub) 9406

116 is the membership number, Reg (Sub) indicates Regular or Subscription membership and the 9406 indicates the year and month of expiration. The box beneath the mailing label will be checked if this is your last issue.

**Moving?** Please send your change of address as soon as possible.

Thank you.

**Amiga Arizona**  
(AmAz!)

Mail:  
P.O. Box 82371  
Phoenix, AZ 85071

## AmAz! EXECUTIVE BOARD

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### NEWSLETTER EDITORS

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### SPECIAL INTEREST GROUPS

#### AREXX

Bill Hagan...934-2993

#### PROGRAMMING 'C'

Stan Krawczyk...938-9736

Call any of the persons listed above if you have any questions about AmAz!, the Amiga, or if you are having a problem running your Amiga. They are there to HELP you. If they do not know the answer to your question, they WILL try to get it.

Please be considerate of the hour you call.

**CLUB POLICY:** AmAz! does not condone piracy of commercial software. Although AmAz! recognizes your right to make a working backup of software you have purchased, copying of software you have not purchased is illegal and may result in loss of membership and privileges in AmAz!.

### MONTHLY Advertising Rates (Camera Ready)

Full Page	\$35.00
Full Page Insert (Supplied, 200 Copies)	\$20.00
Half Page	\$20.00
Half Page (Back Cover)	\$25.00
Quarter Page	\$15.00
Business Card	\$10.00

Send rate inquiries to:

AmAz!  
P.O. Box 82371  
Phoenix, AZ 85071

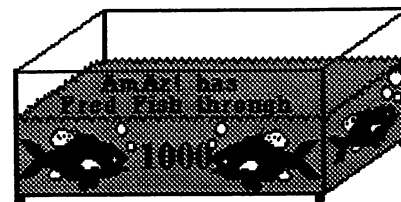
AmAz! maintains a Public Domain Library which is available at the meetings, may be ordered on the BBS or is available at Amazing Computers on the Second Saturday of each month:

#### Disk Prices

\$2.00 AmAz! member  
\$3.00 non-member

#### DOM

\$3.00 AmAz! member  
\$4.00 non-member



**AmAz! Disk of the Month  
and newsletter are  
available at:**

**Amazing Computers**  
1435 E. University #8  
Tempe, AZ 85281  
(602) 929-9488

**Sun Devil Software**  
4139 W. Bell Road # 2  
Phoenix, AZ 85023  
(602) 938-5529

**Wentek**  
10317 Scottsdale Road  
Scottsdale, AZ 85253  
(602) 483-7200



## From the President

The Multi-Media Amiga Expo at Los Arcos Mall on May 14th & 15th was very fruitful. We met lots of interested people as they shopped thru the mall and answered lots of questions and had lots to show. There were approx 10 different Amigas there, each showing off what they could do. Our User Group ran demos (sound & animations). We hope to have one of these types of Expos yearly. My thanks to Bill Rouse for organizing this event.

I would like to mention that Amazing Computers has moved. They are now located at 1435 E. University Drive. The opening of the new store was on Tuesday, May 31. The easiest way for west-siders to get there is to take I-10 to the University Rd exit and head east. They are located on the south side of the street and the store is between Rural Rd & McClintock. Their phone numbers remain unchanged. Stop by and visit Reggie & Trish.

Speaking of moving, the AmAz! BBS will also be moving, but we intend to keep the same telephone number. Mr. Bill Hagan will be behind the screen doing the Sysop chores, so please be patient with Bill till he gets his feet "wet". I will still be on the board and will assist Bill until he is comfortable with the duties of Sysop.

As most of you know, our Annual Computer Yard Sale was held on May 28th. We didn't do quite as well as last year. The club grossed approximately \$138, which was based on \$838 worth of sales, plus some Library Disk sales. I would like to thank all of the Exec Board staff for donating their time, especially Mel Elliott who really was the backbone of the sale.

We are going to be restarting the "C" Sig on the last Wednesday of the month. Congratulations are in order for Jeff Webster, (our Sig instructor) who has just recently married, and has just returned from his honeymoon. We look forward to seeing Jeff once again! I will contact all those who have previously attended, as soon as I get a definite meeting place set-up. AmAz!

## Winners

and

## Non-Winners



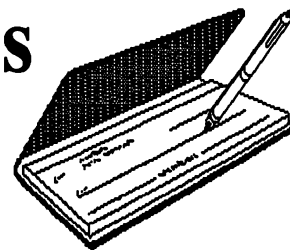
Congratulations to the following listed members who won prizes as indicated at the May 1994 AmAz! meeting:

#054 Bill Hagan.....Five (5) Blank disks  
#143 Joshua McDonald.....Disk Coupon  
#377 Bob Ball.....MindShadow  
#231 Allen Hutchison.....SkyFox II

The following members names were drawn but were not present or declined. #257 Pete Guldager, #356 John Stevenson, #370 Jamie Backen and #359 Ken Fix.

The hidden number was #326, Jim Orcholl, who was present and claimed his disk coupon. AmAz!

## Treasurer's Report



May Beginning Balance: \$ 497.29

Income:	
Advertising	40.00
DOM	15.00
Fred Fish Disks	12.00
Memberships	72.00
Subscriptions	36.00
Yard Sale	854.00
Misc Income	2.00

Total Income \$1031.00 + \$ 1031.00

Sub Total \$ 1528.29

Expenses:	
News Letter	\$ 87.13
Misc (Stamps)	29.00
Fred Fish CD	18.00
Yard Sale	747.90

Total Expenses \$882.03 - \$ 882.03

May Ending Balance: \$ 646.26

Membership: Regular 39 Subscription 17

## Librarian's Desk



by Mel Elliott

**R**emember that the library will be at Amazing Computers at their new address on the 11th of June and the second Saturday of each month following that. Since the last newsletter was published we have received the Gold Fish two CD set which contains Fred Fish through 1000 both in archived and unarchived format. I would again remind anyone who desires to order disks from the library to either do so on the BBS or you may call me at home 931-1117 and I will get the disks made up for you at the next meeting, mail them for a small fee or have them at Amazing Computers on the second Saturday.

AmAz! Disk of the Month #84:

**HARRIER:** A game with an aircraft carrier and fighter aircraft being pitted against enemy fighters and other defenses. The keyboard is used for all inputs and you may define your own keys or use the ones supplied by the author.

**SCORCH:** A tank warfare game similar to an MSDOS game called 'Scorched Earth'. The Amiga game may be played by 1 to 4 human or computer opponents. Each player purchases weapons of his preference (subject to his financial status) and then attempts to destroy his enemy with these weapons. A shareware of \$10.00 gets a registered version with additional levels and a save game function.

**WASHER:** A small hack that has little or no purpose but is sort of cute to watch. A new version of PD Software called 'WashWare'.

Highlights of Fred Fish disks 976-988:

**UCHESS: FF DISK 976-977:** This is a very well done chess game for the Amiga. It requires a 68020/030/040 based system as well as OS 2.04 or above to operate.

**MISERPRINT: FF DISK 978:** A very neat program if you have a deskjet or laser printer. Will print up to 8 normal pages of text on one sheet of paper. Requires OS 2.04 or above.

**QMOUSE: FF DISK 979:** A small and packed 'mouse' utility which includes acceleration, blanking, no click,

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PopCLI as well as other functions. Is an update to disk 802. Requires OS 2.04 or above.

**HARRIDAN: FF DISK 983:** A 'Reminder' type program to be installed in your startup-sequence. Does not pester you with requesters if there is nothing to remind you of. Requires OS 2.04 or above.

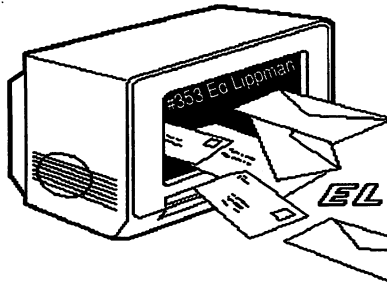
**VIEWTEK: FF DISK 983:** An update to this feature packed view program from disk 903. Requires OS 2.04 or above.

**LINES: FF DISK 985:** An operating system friendly game played with the mouse. The goal is to draw as many lines as possible, obeying the rules of the program. Includes both PAL and NTSC versions.

**PHONEDIR: FF DISK 986:** A personal phone directory database for addresses and phone numbers. It will also dial numbers for you automatically. Requires OS 2.04 or above.

**WBRAIN: FF DISK 986:** A workbench game which requires the player to reproduce a random pattern by filling a grid in the proper order. Uses very little memory or CPU time while playing. Requires OS 2.04 or above.

**MEGABALL 3.0: FF DISK 988:** A classic action game which will run on older Amiga's as well as the AGA machines. Is Shareware and if you register you will receive an editor with which you may construct your own game boards. AmAz!



## BBS REPORT

ELECTRONIC  
MAILBAG

by **STAN KRAWCZYK**

**T**he BBS is moving!, but not to worry, the telephone number will remain the same, only the locale will change. The board will be moved to Bill Hagan's house, where he will be training as Sysop.

I am working now to upgrade to the new Xenolink version (1.90) and barring unforeseen disasters, I will be finished by the end of next month. Not all doors will work under the new version, so some of the more familiar games may be missing for a while, but most of them are in the process of being re-written to work under the new Xenolink. As far as the popular "Wheel of Fortune" game....you'll have to wait until the new release reaches us. It has been re-written for version 1.90, but just hasn't been sent up from Australia yet!

As far as I know, there will be only two editors available in the new version. The line editor (Xenolink's default) and a new screen editor which is identical to EmacsXL, so if you're using Xed, you'll have to switch! Be sure to read last month's and this month's newsletter describing the new features!

All the menus will remain the same. I will copy and recompile the menus and they will appear the same as you see them now. The board should have the same old familiar look! A big change that you will not see is a different Sysop's screen. It is vastly improved and features a full GUI interface....very nice for us poor beleaguered sysops! (Mr. Forbes, the author of Xenolink, did an excellent job on this). As far as file space is concerned, we are very low. I will clean up the files by deleting some older files and many that are outdated or duplicated. I think that as of this writing we are down to 5 Meg FREE, but that should increase as I clean up the files sections. We will probably stay with our current total of 240 Megs for awhile.

May I remind everyone that On-Line disk ordering

☛ BBS Report, page 8



**A**miga Arizona is looking for a new Logo suitable to introduce our club at meetings and demonstrations and as a recognizable insignia on printed matter such as the newsletter, business cards and stationary. To facilitate our search, the Executive Board has authorized a contest, open only to regular members of AmAz!



Each member is limited to three entries. Each entry must be submitted on a separate 3 1/2" floppy disk in any format compatible with AmigaDOS 2.04. Each entry will receive a disk coupon good for any selection from the AmAz! Library of Disks of the Month, Demo Disks or Fred Fish Disks.

The new logo must be presentable on a normal system monitor and may

be in color or up to sixteen shades of gray. The logo must be printable in black and white.



The final entry date is July 31, 1994. Winners will be announced at the AmAz! General Meeting on August 17, 1994.

The winning entry will be selected by a panel of judges made up of members of the Executive Board and volunteers from the membership who have excused themselves from otherwise participating in the contest.



**FIRST PRIZE** - \$50.00 gift certificate sponsored by Amazing Computers and good for any purchase in their store.

**SECOND PRIZE** - One box of ten SONY Double Density 3 1/2" disks donated by a club member.

**HONORABLE MENTION PRIZES** of a disk coupon may be given at the discretion of the judges.

The decision of the judges will be final. AmAz!

☛ *XENOLINK, page 1*

## Part 2 of 2

### Doors

- Full CLI door support
  - ✓ Any program that runs in your CLI (shell) can be run as a door
  - ✓ Does NOT require the use of fifo.library or custom handler files
- DOS Shell feature allows the CLI shell to be run within Xenolink
- AREXX interface
  - ✓ Complies with the ABBEREXX door standard
  - ✓ Supports many commands used by other BBS programs
  - ✓ Many Xenolink specific commands
- Can run many Paragon/Star-Net doors
- Xenolink doors run in the same task context as Xenolink itself:
  - ✓ Eliminates task context switching
  - ✓ Door interface provides direct hooks into Xenolink functions
- Xenolink's shared library (xenolink.library) provides an easy to use Object Oriented Interface for door programmers:
  - ✓ Complete access to users, messages, the file catalogue, system configuration, linked lists, node operations, tilde codes, etc.
  - ✓ Doors may initiate file transfers, send messages to other nodes, etc.
  - ✓ Doors which use the Xenolink library routines extensively are often as fast as Xenolink
- Internal BBS commands can be replaced by external modules

### Messaging

- Independent access flags per user per message area, including:
  - ✓ View
  - ✓ Read
  - ✓ Write
  - ✓ Forward
  - ✓ Delete mail to self
  - ✓ Delete mail from self
  - ✓ Delete any mail
  - ✓ Sysop

- Users are notified of mail sent to them
  - ✓ User's "waiting mail" file automatically updated if user not online
  - ✓ Node message automatically sent to user, if user online
  - ✓ Users informed of all waiting mail, upon login
- Message headers can be searched in a variety of ways:
  - ✓ To self
  - ✓ From self
  - ✓ To or from self
  - ✓ To any user
  - ✓ From any user
  - ✓ To or from any user
  - ✓ Subject text
  - ✓ To or from any user, or subject text
  - ✓ To or from any user, or subject text, and message body text
- Message headers can be searched forwards or backwards
- Since all messages are stored in numeric order, and in only two files, all search operations execute at very high speed
- Wildcard matching, text string searching

### Files

- Independent access flags per user per file areas, including:
  - ✓ View
  - ✓ List
  - ✓ Upload
  - ✓ Download
  - ✓ Free downloads
  - ✓ Move
  - ✓ Edit
  - ✓ Kill
  - ✓ Sysop
- Descriptions can be of any length
- Up to 255 directories may be attached to a single file area
- Files can be catalogued or searched in many ways:
  - ✓ Forward alphabetically
  - ✓ Reverse alphabetically
  - ✓ Forward chronologically (oldest first)
  - ✓ Reverse chronologically (newest first)

☛ *XENOLINK, page 7*



### ☛ XENOLINK, page 6

- ✓ All files newer than a particular date
- ✓ Text substring search of file names and descriptions
- ✓ Wildcard search (#, ?, \*) of file names and descriptions
- ✓ Extremely quick operation
- View files online
  - ✓ Can display text files online
  - ✓ Can be configured to view the contents of any type of archive
- Integrity testing
  - ✓ Can be configured to test any type of archive
  - ✓ Uploaded files which fail the test can be automatically moved to a specified "bad files" area
- Zmodem upload resume
  - ✓ Supported for both BBS transfers and FidoNet transfers
  - ✓ User can resume the upload at a later login session
  - ✓ Upon login, user is reminded of any waiting unresumed uploads
- Complete XPR support:
  - ✓ Allows different parameters for send and receive
  - ✓ Allows specification of throughput for each protocol
  - ✓ Support for batch and upload-resumable protocols
  - ✓ Xenolink is shipped with the following:
    - ➔ Xmodem Checksum
    - ➔ Xmodem CRC
    - ➔ Xmodem 1K
    - ➔ Xmodem 1K-G
    - ➔ Ymodem
    - ➔ Ymodem-G
    - ➔ Zmodem
    - ➔ Zmodem 8K
- Automatic ZSKIP sent if user attempts to upload a duplicate file with Zmodem
- Files can be marked by number/number ranges
- Powerful mechanism for attaching files to messages (to users)
  - ✓ Message author automatically notified when files are downloaded
  - ✓ Downloaded files can be deleted automatically

### Users

- Up to 256 access levels/user templates
- User aliases/handles supported
- Easy generation and storage of user questionnaires
  - Utilities provided to globally affect user attributes, or message/file area access, by access level
  - User selectable use of ANSI to compress consecutive space characters
  - User selectable, highly responsive hot key capability
  - Powerful command line editing using ^A, ^F, ^X, ^K, and cursor keys

### Networking

- Xenolink comes complete with its own integrated mailer and mail processor, and requires neither expensive add-ons such as TrapDoor, nor slow third party mail processing software
- Xenolink's integrated mailer supports:
  - ✓ FTSC31
  - ✓ YooHoo/Wazoo
  - ✓ EMSI
  - ✓ Zmodem
  - ✓ Zmodem 8K
  - ✓ SEALink
  - ✓ TeLink
  - ✓ Modem7
- Support for external mailers
  - ✓ Uses same 4D file name conventions as TrapDoor
  - ✓ Uses same flow control codes as TrapDoor
  - ✓ Can easily switch between using TrapDoor and Xenolink's mailer
  - ✓ Can spawn a Xenolink login session on any existing serial connection
- Integrated mail processor:
  - ✓ Single-pass operation
    - ➔ Very high speed processing of mail
    - ➔ Eliminates the necessity of storing network information such as SEEN-BY and PATH lines (this feature can be turned off so that network control lines can be optionally displayed)
    - ➔ Easy support of passthrough mail areas
  - ✓ 4D support
  - ✓ Point support
    - ➔ Can use 4D method or 2D pointnet
  - ✓ File sending/attaching
  - ✓ Highly advanced and secure routing and forwarding features

### ☛ XENOLINK, page 7

- ✓ Automatic message dupe checking
- ✓ Automatic message reply linking
- Nodelist compiler
  - ✓ Nodelist compiler uses real-time data compression
  - ✓ Pointlists supported
- As many AKA's as you wish
- Full support for RLO type external file request (Freq) handlers
- Multiple NetMail areas
- Multiple origin lines permitted per message area
- Multiple addresses permitted per message area
- Large number of third party Xenolink FidoNet software available including the following highly popular programs:
  - ✓ AreaFix
  - ✓ Hatch
  - ✓ Tick
  - ✓ FileFix

### Configurability

- New user application script written in easily-modifiable AREXX
- Almost all text strings can be configured for each menu set.
- Version 1.90 has more than 3 times the number of configurable strings than version 1.0 Z.3
  - ✓ Even the message headers are now completely configurable!
- Special control sequences can be embedded in text files and prompts, to insert almost any type of system data, and even perform if/then type logic
- Multi-language; up to 256 different languages/menu sets supported
- Almost all prompts requiring keypresses can be configured individually for each menu set; for example:
  - ✓ Y/N for Yes/No
  - ✓ O/N for Oui/Non
  - ✓ J/N for Ja/Nein
  - ✓ H/I for Hai/lie
  - ✓ etc.

- Can use a screen font designed for your language, as mentioned above

Version 1.90 is now available, and includes an all-new completely rewritten 315 page hard cover manual.

Xenolink costs US\$ 150, plus US\$ 15 shipping and handling. To place an order, send cheque or money order for US\$ 165 to the address below. For more information, write to the same address:

Xenomiga Technology  
1132 Bay Street, Suite 1101  
Toronto, Ontario M5S 2Z4  
Canada

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Issue No. 2.15 April 22, 1994  
AmAz!*

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### ☛ BBS Report, page 5

is still available through the BBS in the Doors menu. Simply choose the "O" option to order any Fred Fish or AmAz! Library disk. If you order them ahead of time you can pick them up at the meeting. Otherwise, we will mail them if you prefer. The disk order is self explanatory and is easy to fill out. AmAz!





Everytime I call my favorite BBS, the line is busy! This is one of the most common complaints heard whenever computer users get together. How would you like to have a system that takes all the drudgery out of calling in? A system that calls in, logs-on, down loads the latest messages and files and does it all while you are getting your beauty sleep. I may have just such a system, one that meets all these needs, thanks to the talent of the AmAz! AREXX Special Interest Group.

First, a little background. The original charter of our group stated the goal of learning the AREXX language through writing AREXX scripts that control programs or to make one program control another program. Our first project is an automated BBS call-in system that includes Cybercron and Term, which are available on Fred Fish disks 801 and 904 or from most Bulletin Board Systems. We chose Cybercron and Term because first, they both have AREXX ports with an abundance of internal AREXX commands and second, they are freeware. Though I am certain their authors would accept cash donations or even a letter of appreciation.

The AREXX group meets once a month, ostensibly to write AREXX programs. A two hour meeting once a month does not provide sufficient time for developing elaborate programs. Our meetings usually are spent in reviewing problems, answering specific questions and discussing previously written programs. Program development depends upon an individual member writing alone and in his spare time.

Gary Bowdish wrote the AREXX script that semi-automates the log-in process of the TERM telecommunications program. His script plays the key role in tying the various programs together.

Over the next three or four months I will present all the details of our automated system for calling a BBS, logging on, down loading messages and/or files and logging off. Part one is this introduction, part two will detail the use of Cybercron, part three will cover TERM and part four will present the AREXX script. If needed, there will be additional parts to tie all of the pieces together.

The main problem in automating a call-in system is that each Sysop develops his own system of prompts. This is further exacerbated by the Sysop's need to constantly change to the latest software or to post different screen log-ons, bulletins, message bases, file sections, ad nauseam. This requires that an automated system be continually updated for the telecomm program to accommodate the changes a Sysop makes when adding bulletins or special messages to his log-on screens.

Gary wrote an AREXX script that simplifies that problem. His script leads TERM through a step by step session on the BBS with a requester at each prompt. The prompt wording is accepted as is or can be edited to generic terms. The results are recorded in a Macro that TERM can use to automatically repeat all the steps of the recording session. The need for editing can best be shown with an example. Some prompts have a time remaining string that changes as time on the BBS is expended such as,

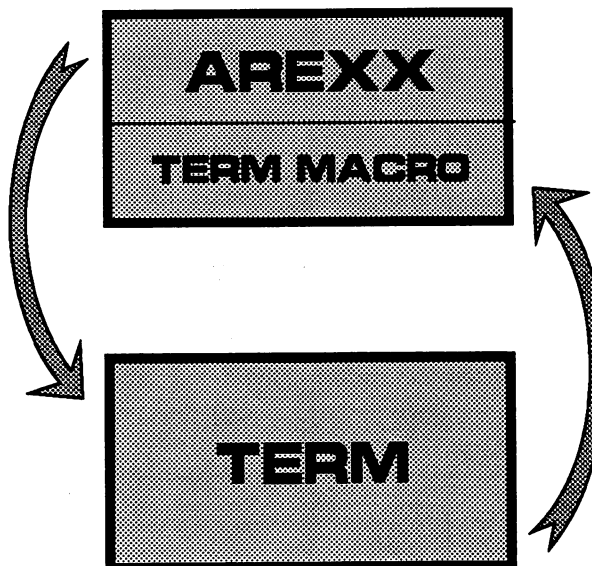


Figure 1

*"Bulletin menu (59 min)"* The original form of the prompt. The 59 min. indicating the time remaining. This will change as time is spent on the BBS.

*"Bulletin menu"* The edited form of the prompt

Now, regardless of the amount of time remaining, the edited form of the prompt will be recognized by the Term Macro.

Figure 1 is a depiction of the first step of the system. Gary's AREXX script causes TERM to write an AREXX script which TERM recognizes as a MACRO. His script opens requester windows to record all the steps you make in signing onto a BBS.

☛ AREXX, page 9

This records all the prompts Term needs from sign on, through download messages and/or files to sign off.

Figure 2 depicts the overall operation of the system. Cybercron is the timing device to kick off a simple AREXX script that wakes up TERM at an appointed convenient time. TERM uses the Macro to operate the telecommunications program to call the BBS and take it through all the steps established when the program was initially run. Simply, Cybercron calls

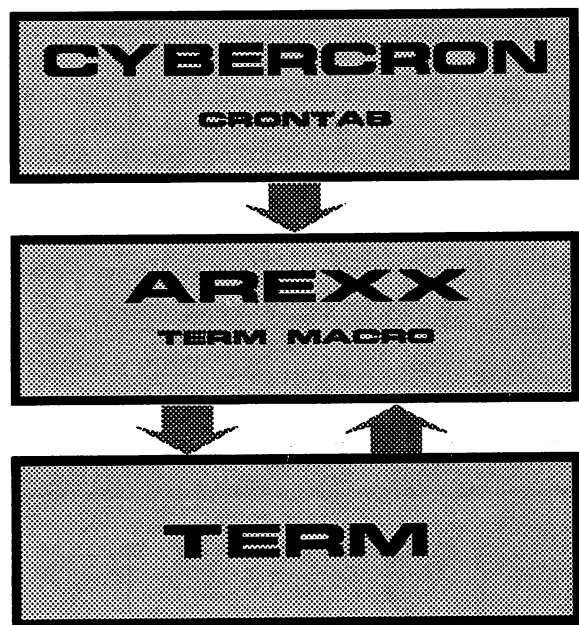


Figure 2

upon AREXX to start TERM which calls upon AREXX to act as a Macro to control itself in calling the BBS.

Cybercron and Term are both rich in extended AREXX capabilities. We have not yet fully explored other possibilities, but we will do so as we refine the initial system.

Since the AREXX SIG meeting falls in the second week June, it is necessary that we print the newsletter prior to our regular meeting this month. The July AREXX meeting will be the day after the holiday on Tuesday the 5th.. Anyone interested in joining the AREXX SIG please call Bill Hagan for more information. AmAz!



The "C" Programming SIG returns later this month. For details, contact Stan Krawczyk at (602)938-9736.

## SPIRODRAW

**TITLE:** SpiroDraw04 - Spirograph(tm?) simulator of the spiral-drawing toy. Simple, fun and addictive!

**VERSION:** This is version 04. Fixes an ugly GADGET message bug and a couple obscure bugs. Also improved usability of Random and Previous data functions in the program.

**AUTHOR:** SpiroDraw04 was written by me, Chuck Kenney. My particulars (address, etc.) are included in the user document in the archive.

**DESCRIPTION:** SpiroDraw04 simulates the Wheels-and-Rings-and-Pens spirograph drawing toy. Allows the user to specify different parameters for the "Drawing Wheels, Drawing Rings", etc. The use of a computer to generate the SpiroDraw designs actually enhances some of the capabilities! SpiroDraw04 is mouse-driven (MENUS, GADGETs, etc.) and provides an easy way to create one's own 'eye-candy'. It is fun\_and\_addictive! SpiroDraw04.lha also contains a very nice freely distributable "screen-to-IFF" saver utility written by Preben Nielsen (thanks, Preben) so that SpiroDraw designs can be imported into "paint" programs. SpiroDraw04 is shareware but does not nag the user in any way and all features are fully functional.

**NEW FEATURES:** The user now has the ability in SpiroDraw04 to interrupt a SpiroDraw design-in-progress with a Left Mouse Button click. Moved the "Random" and "Last" (previous) data functions from MENUS to the "Set Data..." user-input window so the user could get immediate visual feedback on the "new" parameters that are set by these two functions.

**SPECIAL REQUIREMENTS:** There are no special requirements that I know of. SpiroDraw03 has been tested on an A2000HD (OS 2.1) and an A1000 (OS 1.3).

**HOST NAME:** SpiroDraw04.lha has just been uploaded to the AMINET site, ftp.etsu.edu (192.43.199.20) and should soon be available on all AMINET mirrors.

**PRICE:** The asking shareware price is the amount sent to me by my first sharware contributor (Thanks go to Bill from Glendale, AZ!). This requested shareware fee is \$5.00 (US).

**DISTRIBUTABILITY:** This program is freely distributable but is a copyrighted (1994) shareware program by me, Chuck Kenney.

**OTHER:** SpiroDraw04, and other programs in progress are coming out of my basement as a result of the availability of a truly wonderful "BASIC-but-much-more!" compiler, "ACE" by David Benn. I would like to sincerely thank Mr. Benn for renewing my enthusiasm in programming and for making it possible for me to make my programs available to more than just my friends and immediately family!

*Reprinted from Amiga News on the Amazing Connection BBS.*  
AmAz!



# July 1994



SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

					1 Newsletter Articles Due	2
3	4 Independence Day	5 AREXX SIG 934-2993 For Info	6 Newsletter Draft Completed	7	8 Newsletter Proof Completed	9 AmAz! Library at Amazing
10	11	12	13 Mail Newsletter	14	15	16
17	18	19	20 AmAz! General Meeting	21	22	23 AmAz! EX BD Meeting
24 31	25	26	27 'C' Sig 938-9736 For Info	28	29 Newsletter Articles Due	30

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Our User Group is Amiga Arizona (AmAz!). We feel we have one of the best Amiga User Groups around!. We hold regular monthly meetings on the 3rd Wednesday of each month at the Glendale Public Library at 5959 W. Brown (just off 59th Ave, one block south of Peoria Avenue). Meeting time is 7-9PM.

At our meetings we provide demonstrations of new or interesting Amiga programs/equipment, sometimes by developers or dealers if we can line them up. A software drawing is held for regular members and our extensive disk library is available for disk sales at the meetings. The library contains the entire Fred Fish collection plus other demo disks from developers as well as our own Disk of the Month. Members of the group may purchase disks at a reduced price.

The Group owns and operates a 24 hour Bulletin Board System (BBS) called the AmAz!ing Connection (602-843-6574). This BBS supports baud rates up to 14,400 BPS. The BBS is open to any caller, however, members of the Group are allowed an extra 15 minutes per day and no limits on download privileges.

We offer two forms of membership: The Regular member is eligible to vote and participate in the software drawings at the monthly meetings. He/she is also eligible to hold offices on the Executive Board. The Regular member dues are \$24.00 per year. The alternative membership is a subscription for those who cannot attend the monthly meetings. The dues for this are \$18.00 for US, Canada and Mexico (\$20.00 international). These members may not vote or hold Ex Bd office. All members receive a monthly copy of the AmAz!.info newsletter and are eligible for the extended BBS privileges. If you are interested in joining us, send your dues, name and address to: AMAZ! (Amiga Arizona), PO Box 82371, Phoenix, AZ 85071.

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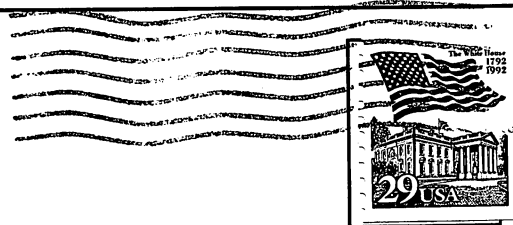
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**Amiga Arizona**  
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**Phoenix, AZ 85071**

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☐ If box is checked this is your last issue.

**June 19th**  
**Fathers Day**