ar217

COLLABORATORS

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WRITTEN BY		February 1, 2023	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

ar217

1.1   Amiga Report Online Magazine #2.17 -- May 27, 1994

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              International Online Magazine

          "Your Weekly Source for Amiga Information."

          Copyright  1994 Skynet Publications
                All Rights Reserved

                        //
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%//%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%% May 27, 1994                  \//                  Issue No.  2.17 %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

1.2   Amiga Report Main Menu

```
                    Columns and Features
              News, Reviews, and More!

                  About AMIGA REPORT
              Staff, Copyright information

                  Dealer Directory
              Amiga Dealer Addresses and Numbers

              Commercial Online Services
              Sign-Up Information

                  FTP Announcements
              New Files Available for FTP

                AR Distribution Sites
              Where to get AMIGA REPORT


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       //       |                                          |          //
%%%%%%%//%%%%%| Amiga Report International Online Magazine |%%%%%%%//%%%%%
%%   \//      | Issue No. 2.17              May 27, 1994 |   \//    %%
%%%%%%%%%%%%%%%| "Your Weekly Source for Amiga Information" |%%%%%%%%%%%%%%
              |_____|

    The Editor's Desk        Amiga News                Dealer Directory
    Distribution BBS's       AR Contest!               Emulation Rambler


                        SPECIAL FEATURES

  compt.sys.amiga ........................................Jason Compton
  Programming HASH Tables ..................................David Tiberio
  Fury of the Furries ......................................Steve Cutting
  Music Modules ...........................................David Tiberio
  SubVersion ..............................................Robert Niles
  CIX .......................................................Lewis Tyrrell
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%
                  DELPHI

                  PORTAL

                  FIDO

                  INTERNET
                          %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

1.3 The Editor's Desk

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        %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

```
%% The Editor's Desk                                          by
                Robert Niles
                %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

 AR Logo

As of 4:50pm Eastern Time...nobody has made an announcement in that they
were taking over what we formerly new of C=.

Darn.

For the good news though, it looks like things are moving forward
as far as the idea of Samsung taking over Commodore. Inventory of
stock is being made, and other signs seem favourable.

I really don't want to get into rumor mongering though, so I'll
keep the supposed details to myself for right now. Sorry :)

I'm still having problems with the computer...mostly becuase that
"time" thing is short, but as you see, it's not preventing me from
gettin AR out.

I want to thank David Tiberio for the "AR Logo" above....looks superb!!

I also wanted to thank the people that creat the "Think! Amiga"
newsletter for sending me one! The newsletter is fantastic! The
newsletter is a production of the Sittingbourne Computer Club in
England. You can contact them by calling +44 81 952 7719 (EIS BBS)
and send a message to either Andy Everingham or Peter Barrow.

Until next week, take care, and enjoy!

1.4 Delphi

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%       Delphi Internet Services -- Your Connection to the World!      %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

 Amiga Report International Online Magazine is available every week in the
 Amiga SIG on DELPHI. Amiga Report readers are invited to join DELPHI and
 become a part of the friendly community of Amiga enthusiasts there.

                         SIGNING UP WITH DELPHI
                         ======================
           Using a personal computer and modem, members worldwide access
                  DELPHI services via a local phone call

                           JOIN -- DELPHI

                 Via modem, dial up DELPHI at 1-800-695-4002

```
                                then...
               When connected, press RETURN once or twice
                                and....
              At Username: type JOINDELPHI and press RETURN,
              At Password: type AMIGAREPORT and press RETURN.

     DELPHI's best plan is the 20/20 plan.  It gives you 20 hours each month
    for the low price of only $19.95!  Additional hours are only $1.50 each!
                 This covers 1200, 2400 and even 9600 connections!

             For more information, and details on other plans, call
                    DELPHI Member Services at 1-800-695-4005


                               SPECIAL FEATURES
                               ---------------

    Complete Internet connection -- Telnet, FTP, IRC, Gopher, E-Mail and more!
      (Internet option is $3/month extra)

    SIGs for all types of computers  -- Amiga, IBM, Macintosh, Atari, etc.

    Large file databases!

    SIGs for hobbies, video games, graphics, and more!

    Business and world news, stock reports, etc.

    Grolier's Electronic Encyclopedia!


                    DELPHI - It's getting better all the time!
```

1.5 Editor

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%                              EDITOR                                %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

                            Robert Niles

    Portal:                     RNiles
    FidoNet:                    1:3407/103
    Internet:            rniles@hebron.connected.com
    Fax:                    509-248-5645
    US Mail:                P.O. Box 8041
                            Yakima, Wa 98908
```

1.6 Emulation Editor

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%                        EMULATION EDITOR                       %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

```
                          Jason Compton
 Internet:                jcompton@tcity.com
```

1.7 European Editor

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%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%                        EUROPEAN EDITOR                        %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

```
                          Jesper Juul
 Internet:                norjj@stud.hum.aau.dk
```

1.8 Contributing Editor

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%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%                      CONTIBUTING EDITOR                       %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

```
                          David Tiberio
 Internet:                dtiberio@libserv1.ic.sunysb.edu
```

1.9 Amiga Report Mailing List

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%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%           Amiga Report Maillist List, the WWW, and Aminet     %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

```
AR Mailing List
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```
No Official Amiga Report Distribution Site in your local calling area? Are
you tired of waiting for your local BBS or online service to get Amiga
Report each week? If so, have we got a deal for you!

If you have an internet mailing address, you can receive Amiga Report
in UUENCODED form each week as soon as the issue is released. To be put
on the list, send Email to rniles@hebron.connected.com. Your
account must be able to handle mail of any size to ensure an intact copy.
For example, many systems have a 100K limit on incoming messages.

Many thanks to PORTAL Communications for setting this service up for us!

P.S.: Please be sure to include your Email address in the text of your
request message, it makes adding it to the list much easier. Thanks!

** IMPORTANT NOTICE: PLEASE be certain your host can accept mail over

```
** 100K!  We have had a lot of bouncebacks recently from systems with a
** 100K size limit for incoming mail.  If we get a bounceback with your
** address in it, it will be removed from the list.  Thanks!
```

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
World Wide Web
~~~~~~~~~~~~~~
AR can also be read with Mosaic (in either AmigaGuide or html form).
Reading AmigaReport with Mosaic removes the necessity to download it.
It can also be read using programs found in UNIX sites such as LYNX.

Simply tell Mosaic to open the following URL:
http://www.cs.cmu.edu:8001/Web/People/mjw/Computer/Amiga/AR/MainPage.html

Mosaic for the Amiga can be found on Aminet in directory comm/net, or
(using anonymous ftp) on max.physics.sunysb.edu

Mosaic for X, Macintosh(tm) and Microsoft Windows(tm) can be found on
ftp.ncsa.uiuc.edu

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Aminet
~~~~~~
To get Amiga Report from Aminet, simply FTP to any Aminet site, CD
to docs/mags. All the back issues are located there as well.
(ftp.cdrom.com or ftp.wustl.edu are two sites)

1.10 Amiga News

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%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%% Amiga News                                                          %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
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Announcement from NewTek
~~~~~~~~~~~~~~~~~~~~~~~~~~

NewTek Inc.
May 5, 1994

Dear Friend of the Toaster,

I'm sure you're aware of Commodore's recent announcement of their
liquidation, as it is obviously an issue of concern to everyone connected
with the Video Toaster. Rumors have been rampant for weeks about what
would happen, but getting the facts has been a little more difficult.

We want you to know that we weren't caught by surprise. Events over the
past nine months made it very clear that something would have to change
and that Commodore's liquidation was a possibility. It didn't take a
mind reader to see Commodore's troubles.

Liquidation certainly wasn't the only possibility, however. Even as late
as last week we were aware that other options were being pursued. While
no one could know exactly what would happen, or when, we did know that

something would happen and made plans for that eventually. For reasons
that we hope you will understand, we cannot talk about all of these
things at the moment. What we can say unequivically is that we are
committed to the Video Toaster and our customers. We are taking the
following steps in support of this goal:

1)   Development on the Flyer is on schedule for shipment of demo units to
     dealers in July and shipment to end users early fall. Of course, the
     Flyer provides capabilities highly sought after by the existing
     Toaster user base.

2)   We are monitoring product availability in the channel and will provide
     you with all the information we can gather. At this point, it appears
     that there are Amiga 4000's availabile worldwide to meet demand for
     the next several months.

3)   We will continue to market the Video Toaster and Video Toaster Flyer
     as always.

4)   We are investigating an Amiga refurbishment program.

5)   We are continuing our ongoing Toaster development program.

We realize that there are still a number of questions left unanswered,
but know that as answers become available, we will pass the information on
to you. A great deal of exciting development continues in Topeka and I
believe that you will be happy with the news coming from here as the year
progresses.

Sincerely,

Tim Jenison
President

==============================

PORTER JOINS SCALA AS VP OF ENGINEERING
~~~~~~
WASHINGTON, D.C., MAY 16, 1994 - Jeffery S. Porter, former director of
advanced technology for Commodore International Limited, has joined Scala,
Inc., the leader in computer-based television information systems, as vice
president of engineering. In this position, Porter will head all
world-wide research and development activities with offices in Exton, PA,
and Oslo, Norway.

Scala's founder and President Jon Bohmer said, "Jeff has been the key
development person for the Amiga since 1986, and brings to Scala a proven
track record of product management and technical leadership. His presence
at Scala will help us sustain our increasingly rapid growth."

Porter, employed by Commodore in various capacities since 1984, has been
employed by Bell Laboratories, AT&T Consumer Products and the Eastman
Kodak Company. He holds a Masters of Science degree in Electrical
Engineering from the Unviersity of Illinois and a Bachelor of Science
degree in Electrical Engineering from Purdue University.

He is co-author of a book entitled "MultiMedia Systems: The Convergence of

Computers, Communications and Consumer Products" published by the ACM.
"I've been a fan of Scala from the beginning," said Porter. "Scala's ease
of authoring and low-cost playback make it a natural for interactive
television. The next step is to support a cross platform architecture for
Scala that includes PC compatibles and set top boxes. Scala's technology
is years ahead of Mac and PC solutions, due to the "TV-centric" heritage
of the Amiga. It's compact and efficient and can be embedded in other
systems such as the General Instrument satellite television receivers
being developed for PRIMESTAR (R)."

Scala, founded in 1987 in Norway and incorporated in the U.S. in 1992,
develops and markets computer-based television information solutions.
Available in ten languages, Scala's multimedia tools are used by 45,000
users in more than 40 countries.

Notes:
Scala is a registered tradkmark of Scala, Inc.
PRIMESTAR is a registered trakemark of PRIMESTAR PARTNERS LP.

Contacts:

Richard Houstoun   Linda Barker
Scala, Inc.   L.R. Barker & Co.
(703) 713-0900   (303) 628-5442

============================

Soft-Logik Continues Support of the Amiga
~~~~~~

11131F South Towne Square, St. Louis, MO 63123 USA

phone: 1-800-829-8608 (314-894-8608, fax: 314-894-3280)

Soft-Logik Publishing sells desktop publishing and graphic applications
for Amiga computers. Our current product lineup includes PageStream 2.2,
a full-featured desktop publishing program; Art Expression 1.0, a
drawing program; and, TypeSmith 2.0, a font editing and conversion
program.

Soft-Logik plans to release PageStream 3.0 in the near future.
Commodore's bankruptcy will not have an effect on our Amiga development.
We will continue to develop PageStream, and while we hope in the future
that it will be available for other platforms, we are too busy with our
Amiga products to consider that now. Remember that just because Commodore
is out of business does not mean that your Amiga will stop working. We
hope to release more Amiga products in the future.

Michael Loader
Product Development
Soft-Logik Publishing

email:

76004.1676@compuserve.com

For technical support, email tech@slpc.com

For press information, contact Ellen Kazmaier at 314-894-8608.

============================

NEW SAS/C PRICING
~~~~~~~~~~~~~~~~~~
Dear Amiga Developers,

Concerning the recent announcements by Commodore, I wanted to let you know
that SAS Institute, Inc. intends to continue selling and providing
technical support for the SAS/C Development System with C++ as long as
there is a viable market. However, due to the uncertainty of the market,
the Institute's management has decided to suspend new
development on the Amiga-specific parts of the product. This policy will
remain in effect until changes in the market warrant
reconsideration.

Development will continue on those portions of the product that are used
on other platforms, including the code generator, the global and
peephole optimizers, the C++ translator, and the debugger. If we see a
viable Amiga market in the future, we will be in a good position to
produce a new release for it with a minimum of lost time.

Also in response to the Commodore announcements and many user
suggestions, SAS Institute Inc. announces the following new prices for the
SAS/C Development System with C++, effective immediately:

                 Version 6.50....................$199.00
                 Upgrade from Version 6...........59.00
                 Upgrade from Version 5...........99.50
                 Upgrade from Version 4...........99.50
                 Academic discount................99.50
                 Manx trade-in offer..............99.50

These prices are in US dollars and do not include shipping charges.
Customers outside the US, please contact your local SAS Institute office
or your nearest Amiga distributor for prices in your area. We do not plan
to send a mailing to registered users, so please
take the initiative to contact SAS Institute if you would like
to take advantage of the new upgrade price.

If you have comments or suggestions about our development policy, please
send email to "ts4sasca@unx.sas.com" or write to

     Amiga C Marketing
     SAS Institute Inc.
     SAS Campus Drive
     Cary, NC 27513

Please do NOT send email to me, Jim Cooper, Steve Krueger, Khristi
Tomlinson, Diane Gomez, or Gerlinde Schuster with suggestions for future
development plans or product offerings. We will just ask you to go
through one of the above channels.

On a personal note, I'd like to add that I plan on keeping my Amiga and
supporting the Amiga community in any way possible. I've been an Amiga

developer since March of 1986, and I'd hate to see it go. Look for a new
release of parnet soon 8^)

Doug Walker
Manager, Amiga Product Development
SAS Institute Inc.

==============================

MacroSystem GmbH of Germany Announcement
~~~~~~
Jorg Sprave, president of MacroSystem GmbH, located in Witten, Germany,
is pleased to announce the appointment of NoahJi's as the exclusive
distributor of MacroSystem product in the United States.

Technical support, repair, and service will be handled by NoahJi's.
Software updates for the V-Lab and the Retina will also be made available
at a modest charge for current owners of these products.

NoahJi's is the Amiga board division of Micro Reps, Inc. a 10-year-old
distribution company. Eric Kloor, president of NoahJi's, is excited to
begin distribution of the remarkable line of product manufactured by
MacroSystem GmbH.

The Retina Z3, with updated hardware features and astonishingly fast
software, will soon be impressing the US market. In the current issue of
The Amiga Magazine, Germany's largest, 10 different graphics boards were
reviewed. The Z2 Retina was called "nearly legendary, " and in
price/performance comparisons towered above the others. The only more
impressive board in the tests was the new Retina Z3. Both products
received glowing and strong recommendations.

The Toccata 16 bit I/O board, which has been available in Germany for over
6 months, will now be available for the US market. The V-Lab Y/C 24 bit
realtime video digitizer will also join the product mix of NoahJi's.
An astounding new product that is currently in production and will be
available here in July is the VLab Motion Card. This card is a Zorro II
motion JPEG board for non-linear video editing and playback. The VLab
Motion product contains a digitizer plus a video output device with YUV
4:2:2 square pixel quality and embedded hardware scaling and a genlock
with chroma keying for real-time blue box effects as well as the
compression/decompression JPEG chipset which runs at 29.5 Mhz peak
frequency. The board has composite and Y/C inputs and outputs, and also
features an expansion socket for add-ons like piggy packed YUV or RGB
component transcoders, and an interface for outputting over NewTek's Video
Toaster. The V-Lab Motion board does not require a time based corrector
and can be combined with existing hard drives and controllers. VLab Motion
also comes with MovieShop, a complete editing software package that
features a hierarchical editor, B/W or color reference stamps, and a time
line editor. Perfect interfacing with the Retina and the Toccata allow
simultaneous recording and playback of audio and video.

For more information contact:

NoahJi's 3591 Nyland Lafayette, CO 80026

Phone: (303)499-1975 Fax: (303)499-1979

1.11 compt.sys.amiga

```
           %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%% compt.sys.amiga                                         by
                Jason Compton
                %%
%% Where do we go from here?                      jcompton@bbs.xnet.com %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

Brilliant. I write some editorials about how it seems like the worst has
passed for Commodore, and here we are, seat-edging, waiting to see
who, if anyone, will buy the sinking ship of C=. Never ask me for
stock tips.

This leaves an awfully big void waiting under the feet of Amiga users.
Well, it COULD be worse. I have seen a good amount of developers
and companies come out and strongly support the Amiga. The only
lukewarm response I've seen was from GVP, whose message can
be summed up as such:

"Well, it's a damn shame Commodore's going down. Lucky for us, we've
started doing PC hardware. So, sure, we'll sell off our inventories,
build some Spectrums if we need overtime and maybe release a couple
new things if they were two days away from the first run, but don't
wait up for us to save the Amiga."

Actually, my sum-up was longer, I think, but more descriptive.

Unfortunately, I can't blame them too much. That's not to say
that I'd do the same in their position, because I'd like to think that
I wouldn't. Luckily, all of the other press releases have been
positive and hopeful, which is what I'd like to remain.

The rumors abound way too much. I have made a couple of phone
calls and haven't learned anything useful about who or what
may own Commodore or various pieces of Amiga hardware.
I'd love to wake up tomorrow morning with Commodore and the
Amiga looking into the future, but right now I'm content to know
that it isn't over yet.

CEI just commissioned the CEI A1962 monitor: a successor to
the 1960, this time built by Electrohome. At least all those 1200s,
if we ever see them again, will have something to output to.

MacroSystem has a new US distributor (strangely, MacroSystem US
doesn't distribute MacroSystem hardware anymore). The company
name is NoahJi's, and we'll be running reviews of the Toccata 16
(imminent, once I figure out what to do with the thing), the Retina
Z-III, and possibly the V-Lab and upcoming V-Lab Motion boards.

I'm still waiting for my Paravision SX-1, due tomorrow in the mail.

My review of the Vortex 486SLC2 should begin as soon as I can
get it to work.

Sound good for now? At least you know I've been working hard,
even if I have nothing to show for it now.

Until next time, don't walk the plank.

1.12   Programming HASH Tables

```
         %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

%% Programming HASH Tables                              by
               David Tiberio
               %%
%%                                dtiberio@libserv1.ic.sunysb.edu %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

One of the most important data structures used in programming is the HASH
table. This system has many advantages; it is fast, the data is easy to
organize, and it is easy to program. One of the drawbacks is that it is
not as dynamic as some data structures, although it can be combined with
other data structures to make it more dynamic. Another drawback is that it
may be hard to find a good hashing function that applies equally well to
all of your data.

A hash table is an array of fixed size. Each location of the array can
hold one piece of data or many pieces of data, including other hash tables
or linked lists. An example of a hash table is the telephone system. In
this example, I will be using the American telephone system.

Each region has its own three digit number. For example, Long Island uses
the 516 area code. Queens (one part of New York City) uses the 718 area
code. Manhattan, also a part of New York City, uses 212. Other parts of
New York City use different area codes.
Next there are local calling exchanges. East Setauket uses numerous
exchanges, such as 476 and 473. Stony Brook University uses 632 and 444,
although other exchanges are used for the Stony Brook area. Last of all,
each house can have its own 4 digit code. For example, my house has 4
lines coming into it. One is 5156, another 6351, another 3516, and another
1615. Now, we take these three groups of numbers and put them together to
get a hashed phone number. To reach my house, you could call 516-476-6351,
516-473-5156, 516-476-3516, etc. Note that none of these numbers ring my
personal phone BTW :). Some of these numbers used to be here but were
disconnected (such as my old BBS number). Now, anyone in North America
would dial one of these numbers, which would be hashed through the system.
First to Long Island, then to East Setauket, then to my house.

Here is another example. You have 10 people, and you want to store them in
an array with 5 spaces. Here are the people:

    David Pleasance
    Irving Gould

```
    Jay Miner
    Jim Drew
    John DiLullo
    Lewis Eggebrecht
    Marc Barrett
    Mehdi Ali
    RJ Michaels
    Rob Niles
```

Here is how the information is stored:

1

2   RJ

3   Jay, Jim, Rob

4   John, Marc

5   David, Lewis, Mehdi

6   Irving

What about each person places them in the given array location? The HASH
function in this case is very simple. The length of the first name was
used, placing RJ all by himself in the 2 letter location with Irving in the
6 letter bucket (a bucket is a term used ot refer to an array location).
Now, in the cases were more than one person is in a bucket, a link is made
between each name starting at the first name placed in the bucket. For
example, to find Mehdi, you would look in bucket 5 since Mehdi is 5 letters
long. First you find David, then you check to the next name on the list to
find Lewis, and then the next name you find is Mehdi. After Mehdi, you
would place a NULL pointer, as with the last element of each bucket. The
1st bucket merely contains a NULL pointer.

There is more than just one way to make a HASH function. Here are some to
try:

    AMIGA: Add the ASCII characters for each letter together,
           then do a MOD (MOD is a remainder function) on the size of the
           array. In C, this might look like:

           bucket = ('A' + 'M' + 'I' + 'G' + 'A') % array_size;

    RULES: Let's try something different with this word (which I chose as
           an example for no particular reason). Instead of adding the
           ASCII values, we could try using RAW keycodes. The RAW keycodes
           are determined by the location of the keys on the keyboard,
           as opposed to alphabetically. For example, a DVORAK keyboard
           would have different RAW keycodes than a QWERTY keyboard.
           The % (MOD function) is used to ensure that if the total is
           greater than the size of the array, then it will start again
           from the beginning of the array until it fits.

           bucket = (19 + 22 + 40 + 18 + 33) % array_size;
```

There are some key issues to remember. First, the hash function should
tell the difference between the position of letters. For example, the
above sample with AMIGA would have the same bucket as AGIMA or MAGIA,
since they contain the same ASCII values. The total HASH value should
not exceed the size of the array (hence the MOD function is used). You
may place more than one item in a bucket only if you link them with a
link list or use a second hash function to divide the bucket into a
second array. Or, if there is a collision (an item is already in the
bucket), you can check the next bucket in the array until you find a
free one. If you use the second method, the size of the array must be
equal to or greater than the total number of data items you are working
with.

- USENET REFERENCES -

    Please see comp.sys.amiga.programmer for more information about using
HASH tables or linked lists.

As Edward Cayce might say, that is all for the present...

dtiberio@libserv1.ic.sunysb.edu

## 1.13   UseNet Review - Fury of the Furries

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%% Fury of the Furries CD32 version                    by Steve Cutting %%
%%                                   steve_cutting@guru.apana.org.au %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

PRODUCT NAME

  Fury of the Furries, CD32 version

BRIEF DESCRIPTION

  A single-player platform game with puzzles.

AUTHOR/COMPANY INFORMATION

  Name: Mindscape International
  Address: Priority House, Charles Avenue
     Burgess Hill, West Sussex RH15 9PQ
     England

  Telephone: +44 (0) 444 239 600
  Fax: +44 (0) 444 248 996

LIST PRICE

   I don't know the list price, but I paid 69.99 Australian dollars
for it. In the UK, you can get it for 19.99 pounds from mail order
companies.

SPECIAL HARDWARE AND SOFTWARE REQUIREMENTS

   HARDWARE

     CD32 (PAL)
     Television or monitor
     Control pad (or Amiga joystick)

   SOFTWARE

     None

COPY PROTECTION

   None that's noticeable to the user.

REVIEW

   The manual tells the story of a race of small furball creatures
called Tinies. Tinies look like tennis balls with eyes, and according to
the manual, they have a horrid sense of humour. The Tiny King has
apparently been taken prisoner and been imprisoned in his own castle by a
Tiny with a particularly wicked sense of humour. Yes, this is where you
come in. :-)

   When the game boots, you're shown a glitchy animated sequence
portraying all this, accompanied by some decent CD audio. Once you're at
the title screen, you can start a new game or restart one of four saved
games.

   The object of the game is simple: take control of a Tiny and find
your way to the exit of each level. Your Tiny can walk, run, and jump
three different heights. As if that isn't enough, your Tiny is also able
to transform into any of 4 colours, each one having a special ability:

     Red   - eats through walls
     Yellow - shoots fireballs to kill nasties
     Green - swings and climbs on rope
     Blue   - dives underwater

   Green is my favourite. It's great fun swinging the little critter
back and forth on the rope, then letting go and watching him fly across
the screen and do a couple of somersaults before landing on the ground!

   Not all of the abilities are available all the time. On some
levels, you may only have one ability, and on others, you might get all 4.
To make it harder, there are force-field type things which enable or
disable an ability when you pass through them.

   You view the action from the standard platform perspective (side

on), and the levels scroll in all directions. The game takes place over
8 areas, with each area having 10 levels based on the same theme. The
levels are full of all sorts of obstacles designed to reduce your Tiny to
an ex-furball before reaching the exit. There's trees, water, spikes and
loads more, and of course the usual array of NASTIES. You must make use
of the various abilities of your Tiny to negotiate these obstacles.

   As you progress into the game, the puzzle element starts rearing
its head. As well as avoiding (or shooting) all the nasties, you also
have to start solving problems in order to reach the exit. These puzzles
range from simple things, like finding and using keys, to more complex
ones, like moving blocks and finding secret entrances. The puzzles rely
on the correct choice of abilities in most cases, and also require some
pretty nifty joypad skills on some of the later levels.

   Every 5 levels, your position is saved in Non-Volatile RAM.

DOCUMENTATION

   The booklet in the CD sleeve has instructions in English, French,
Dutch, Italian and Spanish. It covers everything you need to know (not a
lot, really) and has some nice black and white drawings.

LIKES

   Great fun. It's playable, cute, and best of all: totally silly!
There's something distinctly warped about a 10-pixel high ball of fluff
letting fly with a Streetfighter-style fireball. :-)

   The game-saving feature means you can restart where you left off
instead of playing through all the levels again. This adds a lot to the
longevity of any game in my opinion; if I can restart where I left off,
I'll keep coming back until I finish it (or go insane).

   The difficulty curve is just about right. There's plenty of easy
levels before the brain mangling begins.

   The CD tracks on the intro and title screens are really good.
In-game music is only Amiga based, but the tunes are great.

   Although he's very small and not very colourful, your Tiny is
nicely animated and moves well.

DISLIKES AND SUGGESTIONS

   The in-game graphics are pretty dull; they'd look perfectly at
home in a 512K A500 game 5 years ago. It doesn't look like any more than
about 16 colours, definitely not 32bit CDROM stuff. Static title and
between-level screens are more colourful though.

   The game doesn't use the full PAL screen. If you force it into
NTSC using the boot-menu, it runs too fast.

COMPARISON TO OTHER SIMILAR PRODUCTS

   If you liked The Lost Vikings, you'll like this.

BUGS

   I've found a couple of graphic glitches here and there, but they
don't affect gameplay at all.

VENDOR SUPPORT

   An address and phone/fax number are provided for support. I
haven't needed to contact them as yet.

WARRANTY

   Unknown.

CONCLUSIONS

   If you're looking to be blown off your seat with stunning visuals
and audio, don't buy this game, because there aren't any. But do buy it
if you want a game to *PLAY*, because it's got more playability and
lastability than a lot of other stuff around. An enjoyable blend of
platforms, puzzles and general silliness.

   My rating : 80%

1.14 Music Modules

            %%%

%% Music Modules   by
              David Tiberio
              %%
%%   dtiberio@libserv1.ic.sunysb.edu %%
%%

Next time your IBM PC friends or Macintosh friends play SoundTracker music
modules on their machines, remind them that it all started with the Amiga.
Of course all platforms have made an attempt at music production, but the
Amiga is the birth platform of music modules in the same way that the Mac
is the birth of QuickTime videos. The technology has been used elsewhere,
but the Amiga popularized it... and they have been riding in our wake.

I remember when I first heard a music module... it was back in 1991, more
than a year after I got my first Amiga 500. The first music module I ever
downloaded was called "Beat dis Paula". Today, the piano effects still
sound decent. But it has gone a long way. After I learned what music
modules were all about, I remembered the "drum" software on the C64. After

showing it to a good friend of mine, he came across the Michael Jackson
tune "Smooth Instrument", which was the highest quality mod we had ever
heard. But it has come a long way.

Looking through my hard drive, I have about 100 mods that I have saved
over the years, after having gone through at least a thousand or more.
The ones that I have saved tend to be fairly well known, such as those
produced by u4ia or SideWinder. While I am currently seeking out new mods,
there are some that I do not know very well by name, so I will only list
the ones that I have had for a while.

```
    1989
    Beyond Music
    Bomb Jazz                  - tint of jazz, very good
    Boom
    Das Boot                   - submarines and spys
    Guitar Slinger             - sounds just like the radio, "new age"
    Native Dance               - this won a music mod contest
    Nightmare                  - crude and distorted, but good
    No Limit                   - dance music
    Open Sesame                - great dance tune
    Power Of American Natives  - can get long and tiring, but very good
    Space Debris               - one of my oldest favorites
    Street Jungle              - another of my oldest favorites
    Tribal Dance               - good dance music
    What Is Love               - just like the radio
    XTermin8                   - dance music
```

I also took the time to download most of the Sidewinder modules on Aminet.
One thing I must say; this guy knows how to mix modules! His samples are
of the highest quality, and contain a variety of effects. I would suggest
that you download certain modules first, such as the following:

```
    HouseBeatles               - "Beatles" classic
    RainyDecember              - jazzy piano love song
    RainySeptember             - jazz
    Spanish-Armada             - Spanish RAVE
```

Of course, you also need a program to play most music modules. Some music
modules have the player built into them, and are referred to as "self-
playing" modules. Since you will mostly come across data modules, I would
suggest the following players:

```
    DeliTracker                - one of the most flexible players
    EdPlayer 2.1               - small, compact player for MOD and MED
    JukeBox                    - controls CD ROM drives with audio CD's
    ModuleMaster               - nice interface displays
```

- AMINET REFERENCES -

For some reason I could not locate all of the above mentioned modules on
Aminet, so here are some of the ones which were previously in the mod
charts. Note that these may be moved to a new directory, since the chart/
directory is constantly changing!

```
beyond.lha          mods/chart 300K Beyond Music              Apr No. 5
boom.lha            mods/chart 200K Boom! And she cums        Feb No. 8
gslinger.lha        mods/chart 275K Guitar Slinger            Apr No. 2
opensesa.lha        mods/chart 314K Open Sesame               Feb New D
power_of.lha        mods/chart 437K Power of American Natives Feb No. 9
tribalda.lha        mods/chart 646K Tribal Dance              Apr No. 3
whatislo.lha        mods/chart 618K What is love              Apr No. 4
HouseBeatles.lha    mods/sidew  73K+MOD/SideWinder... Beatles Classic!
RainyDecember.lha   mods/sidew 185K+SideWinder - Jazz/Piano Love Song
RainySeptember.lha  mods/sidew 181K+SideWinder - JAZZ/POP/SYNTH/SAX
Spanish-Armada.lha  mods/sidew 214K+MOD SideWinder/InfoCorner.Spanish RAVE


DeliTracker2_01.lha mus/play   502K+very powerful music player. needs OS2.0
EdPlyr21.lha        mus/play   215K+A cool player for MODs and MEDs
jukebox.lha         mus/play   179K+CDROM audio disc player
```

As Edward Cayce might say, that is all for the present...

David Tiberio - dtiberio@libserv1.ic.sunysb.edu

1.15 SubVersion v1.0

```
        %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

%% SubVersion v1.0                                     by
            Robert Niles
        %%
%%                                     rniles@hebron.connected.com %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

Along comes a game in which simplicity creates hours of enjoyment.
The game being SubVersion v1.0. in which you are in command of the
submarine called the Nautilus, armed with nulcear torpedos and short
range anti-ship missiles. (Picture of opening screen)

When you begin, you find yourself in an 18 by 22 kilometer area in the
Euclidean Strait facing anywhere from 10-40 destroyers and 4 opposing
submarines. Supporting you are supply ships which will refuel you as
well as rearm you.

Your mission:

Destroy all enemy ships.

Simple.

Oh yeah!? Starting the game you see a "game board" in which your
location and location of some of the ships that have already been
detected. You move around the "board" horizontally, vertically, or
diagonally.

On the side of the "game board" is the main control panel. Here

you will find everything you need to play the game.

Torpedos, HMS array system, Missiles, Status, Crew, Resupply, Depth,
Power, Engine, and Auxiliary controls. Which are accessible with the
mouse or with keyboard shortcuts.

Being outnumbered strategy plays an important role. The enemy ships
aren't always detected by the sonar array, enemy submarines are quite
difficult to detect. Adding to that, you have mines, which nicely sink
the enemy ships as well as you. Watch your supplies! You need to
balance your fuel between the missiles and the engines...and you need
enough fuel to get back to the supply ships. You can only be resupplied
twice.

A feature I liked is the abilty to use your crewmen as frogmen. You can
utilize the frogmen in close range encounters, and encounters in which
land is between you and the enemy. While they are a great asset, they
don't always get the mission accomplished, nor do they always survive
and return. Capture is possible.

The concept is remarkable simple, but winning is not.

System Requirements:

A500 thru A4000
512k Chip, 512k Fast RAM
WorkBench 1.2 or higher
Color Monitor Recommended
HardDrive Recommended
Copy Protection: CodeWheel

Developer:

Point of View Computing Inc.
5050 Edison Ave, Suite 221
Colorado Springs, CO 80915

1.16 AR Contest

```
        %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

%% AR Contest                                    by
              David Tiberio
              %%
%% Enter and Win!                     dtiberio@libserv1.ic.sunysb.edu %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

 - THE PRIZE FOR NEXT MONTH -

    The Amiga Report contest is still going on, and it is not too
late to enter. This ongoing monthly contest allows Amiga Report
readers a chance to win software by either solving a puzzle or by
entering a random drawing.

The prize this month is the Amiga/Toaster Reference Manual v2.221,
from Area52. This is a 1,000 page help system for the Amiga and Video
Toaster, covering the Workbench, AmigaDOS, Lightwave, and more ($34.95).

The second prize choice is the FutureShock audio CDROM, which was
produced using Amiga computers by SideWinder. There are some Sidewinder
music modules on Aminet that you may want to look at for a sample of
the audio CD ($12.95).

All monthly contests end on the morning of the first of the
following month. Any entries beyond this date will be entered into the
next contest.

 – THE MONTHLY DRAWING –

To enter the random drawing, select a number from 1 to 262,144
and send it to me at one of my addresses listed below, either by
the postal service or email through the Internet.
Also, you may enter by solving the following puzzle. The winner
of this puzzle will be decided within the same time frame as the
random prize, to allow the contest information to filter through the
networks, and to allow your letters and postcards to come in.

 – THE PUZZLE –

Since people complained that the first contest was too hard, and
that the second was too easy, I made one that anyone can solve with
a little thought. Once you get some of it decoded you will be able
to solve it with ease ::heh heh::!

    Decrypt the following encoded message: 17851 47932

    Each location in the code represents one character in the
  ASCII character set from A to Z. Also provide your method of
  obtaining the answer.

 – TO ENTER –

To enter, simply let your fingers do the talking and type up an
email and send it to dtiberio@libserv1.ic.sunysb.edu. You MUST put
the word CONTEST in the subject line of the email header! Otherwise
you run the risk of having your email deleted (don't ask, it is a
long story!) or send a post card or letter to:

    Amiga Report Contest
    c/o David Tiberio
    6 Lodge Lane
    East Setauket, NY 11733

Is it possible to win via snail mail? You might think that your
chances of winning are better by entering in email (much faster of
course), but last month's winner send in a letter that arrived the
day before his winning number was drawn!

In your letter or email, please provide the following:

Your full name and address. Please keep in mind that many of
you may have addresses that I am not accustomed to, so please include
your country or any other information that I would need in case you
win. An email address should also be included, if possible.

You must also include a brief one sentence overview of the editorial
in this issue of AMiga Report. Just to make sure you are reading it. :)
You must also include the issue number. For example, if you read this in
AR213, then include that in your correspondance. Also, a prize winner
will be determined by a random number generator. Choose a number from
1 to 262,144. The closest winner or winners to the randomly generated
number will receive the prize in the mail. Anyone who does not provide
a number will have one assigned to him randomly.

All prizes will be mailed within one week after I get my hands on
the published version of AmigaReport. I am doing this for a few reasons.
First, every winner so far has given the correct puzzle solution before
I have received the editon of AmigaReport that announced it. :)
Second, I don't like to go to the post office every day if I can avoid
it. Third, you never know when someone's power supply might blow up
(right Mr. Editor?!).

 - THE DISCLAIMER -

DISCLAIMER: This contest is being provided as a service to the
Amiga community and all persons involved in running this contest
cannot be held liable for anything that costs you money or
lifetime pain and anguish. Rules are subject to change. All entries
must be received by April 30th, 1994. Any entries beyond this date
will be entered into the next contest, if any.

 - THE CHANCE YOU WILL WIN -

Odds of winning are approximately 1:50 for the random drawing and
1:15 for the correct answer to the puzzle, based upon current entries.

SPECIAL THANKS to SideWinder for donating the Future Shock albums
for inclusion in our contest, along with Merrill Callaway for his ARexx
Reference Disk!

dtiberio@libserv1.ic.sunysb.edu

1.17 Emulation Rambler

```
            %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

%% Emulation Rambler                                by
            Jason Compton
              %%
%% Final Analysis of the Macs!                          jcompton@tcity.com %%
```

%%%

PLEASE NOTE: My E-Mail address has changed. Sorry for the inconvenience,
but it's my excuse for being unreachable for a while.

Ok, the day has come where I'll sum it all up and give you my final
comments on both of the color multitasking Mac emulators. Again, thanks
to both ReadySoft and Utilities Unlimited for providing, respectively, the
A-Max IV and the Emplant.

Now, to explain the ratings:
In each category, I have selected the emulator that performed better.
It is rated 100% in that category.
THIS DOES NOT MEAN IT IS PERFECT IN THAT RESPECT.
It simply means that it has the best support of that feature available.

To begin:

Overall software compatibility:
Emplant: 100%
A-Max IV: 90%

I can't blame the A-Max for much, although the repeated complaints
about SoundMaster got to be too much for me. Once Emplant hit the
high version 3 series, most incompatibility bugs were ironed out.
Emplant also handled lousy Mac code (like, programs intended for
pre-Multifinder environments) better...for example, the game Star
Wars.

Multitasking:
A-Max IV: 100%
Emplant: 85%

The Emplant frequently dies when I try to access Amiga serial through
an Amiga program, even if the serial port isn't given over to Emplant.
It's not just me and it's not just Terminus, either. Aside from that,
both operate along a similar concept, although Emplant uses a more
conventional screen and does not require a non-standard method of
flipping to it. Both are well-behaved when it comes to the user not
wanting system time allocated to the emulation.

Floppy dIsk support:
A-Max IV: 100%
Emplant: 75%

The A-Max IV has built-in 720k floppy support. It's a bit roundabout
and requires you to read the entire disk into an AmigaDOS file which
will be treated as a virtual drive until you copy everything somewhere
better, but it exists and works. UU is selling Macdrive adapters, but
that requires a Macdrive. I also encountered some disks which
Emplant would consider fine but real Macs would feel were damaged.
This WAS before multi-os.device and the like, but it's worth mentioning.

Video support:
Emplant: 100%
A-Max IV: 85%

This was a toughie. Emplant supports more boards, but many are ones
that quite frankly not too many people have. With the recent QD modules
and the fact that the Emplant DOES do a quicker job of ECS video,
the choice goes to them. It is worth mentioning that A-Max IV supports
the Picasso and Retina in the included software, two of the more
popular boards, and has supported multi-monitor work for a long time.

Ease of Use:
A-Max IV: 100%
Emplant: 80%

Big minus points to the Emplant for its memory remap program. It
makes many system-incompliant programs very unhappy. A-Max's
does not need to be taken out nearly as often. A-Max's interface
is also a bit more straightforward on the Amiga side.

Sharing Amiga Devices
A-Max IV: 100%
Emplant: 100%

No complaints here for either board.

Value for Money:
Emplant: 100%
A-Max IV: 93%

Tough, tough, tough. Were it not for the fact that the Emplant now
supports the crusty old 1.1 and 1.2 ROMs, this would be A-Max's
category. As it is, though, the Emplant does give you a SCSI
controller (not the greatest one in the world, but...) if you go with the
Deluxe, which is rather reasonably priced. I've seen a dealer carrying
them at $330, which is amazing. Both offer the Mac serial ports,
shareable from the Amiga side. A-Max IV does offer MIDI, but
I regretfully couldn't test that bit. Emplant wins here, but it's close.

Sound Support:
A-Max IV: 100%
Emplant: 95%

Were it not for the SoundMaster thing, A-Max would have won by more.
It simply slows down less when playing MODs.

The conclusion is up to you. BOTH boards are quality items and I would
recommend a different board to different people. Someone who would
be dealing with lots of Mac software would want A-Max IV or to track
down a Macdrive and the AMIA interface from UU, but the A-Max has
it built in. If you've got a lot of video to do, especially on a board
A-Max doesn't support, you go with the Emplant. If you've got a 4000 and
no SCSI controller, go Emplant. If you want MIDI, go A-Max.

Hopefully, I've given enough information over the last few months to
help everyone reach the conclusion they need about the boards.
It's been a lot of fun.

I'll return with some spot reviews if I ever get Photoshop running...
maybe when one of those 24-bit companies finally sends me
something.

Keep the emulators warm.

1.18 CIX

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%% Compulink Information eXchange                      by Lewis Tyrrell %%
%%                                         lewt@cix.compulink.co.uk %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

CIX (Compulink Information eXchange) is an online community of about
15-20k users (we call ourselves cixen) of all kinds. I'm not sure of the
exact figure but it's in this region. The main attraction of CIX is the
conferencing facilities. Conferences range from the obvious computer
issues to everything from cooking, gardening, television and films and
anything else you can think of. If you happen to be a llama breeder and
can't find a conf that caters for your needs then you just start up your
own conf and get your fellow llama breeders to join in. :) CIX admin
don't interfere with the creation of new conferences and won't say no
unless you are breaking the law in some way. :)

Just about every computer that has seen the light of day has a conference
dedicated to it. If it's a *really* obscure machine then it will probably
be discussed in the cultmachines or obsolete conferences. :)

The Amiga areas on CIX are pretty lively at the moment because of C='s
current problems. There's a lot of discussion, argument and flaming.
Everyone has a view of what went wrong and how to put it right. And
everyone's right of course! ;-)

Here's a quick list of some Amiga related conferences:

```
 alt.alt.amiga  For people too offbeat to be accepted in alt.amiga
 alt.amiga      For interesting people only.
 amidemos       For Amiga Demo Programmers
 amiga          Commodore Amiga Conference.
 amiga.24bitgra Extended graphics for the Amiga
 amiga.com      Amiga Commercial Developers forum.
 amigamods      For ALL amiga music freaks
 amreport       AMReport International - Amiga OnLine magazine
 gtb            Discussion of GadToolBox and Amiga Gadget Creation
 ttx            For users of Turbotext on the Amiga
 amiga_fidonet  The Amiga and Fidonet
 pcvamiga       Which is better? The argument rages...
 amiga_dtp      Area to discuss Amiga DTP and download Amiga Clip-art
 amiga-3d       All about Amiga 3d packages
 opalvision     chat and files from Opal tech's 24 bit card
 digita         Digita International, Product support
 amiga_user     The Conference for readers of Amiga User International
 amigashopper   For readers of Amiga Shopper magazine
 cuamiga        The conference dedicated to the fastest growing UK Amiga mag
 jam            Just Amiga Monthly feedback, discussion and contributions.
```

There are plenty of others. ;-) Each of these conferences is divided up

into topics for holding files or for talk on a specific subject.

I hope this gives you an idea of what CIX is about. The Amiga community on
CIX is pretty large and very vocal. All the UK Amiga magazines are
represented in some way and there are plenty of Amiga developers. We even
have the honour of having representatives from CATS-US and CBM-UK popping
in every now and again.

1.19 Portal

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%                  Portal:  A Great Place For Amiga Users            %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

                    Portal Communications' Amiga Zone

             The AFFORDABLE alternative for online Amiga information
             ----

The Portal Online System is the home of acclaimed Amiga Zone, which was
formerly on the People/Link System. Plink went out of business in May,
1991 and The Amiga Zone's staff moved to Portal the next day. The Zone has
just celebrated its second anniversary on Portal. The Amiga press raves
about The Amiga Zone, when compared to its competition.

If you live in the San Jose, CA area, then you can dial Portal directly. If
you live elsewhere, you can reach Portal through any SprintNet (formerly
Telenet) indial anywhere in the USA. If you have an account on another
Internet-connected system, you can connect to Portal using the UNIX Telnet
programs, from anywhere in the industrialized world. Delphi and BIX users
can now Telnet into Portal for a flat $19.95 a month, with *unlimited* use.

Some of Portal/Amiga Zone's amazing features include:

  Over 1.5 GIGabytes of Amiga-specific files

  The *entire* Fred Fish collection of freely distributable software, online.

  Fast, Batch Zmodem file transfer protocol. Download up to 100 files at
   once, of any size, with one command.

  Twenty Amiga vendor areas with participants like AmigaWorld, ASDG,
   Soft-Logik, Black Belt, Apex Publishing, Stylus, Prolific, NES.

  35 "regular" Amiga libraries with thousands of files. Hot new
   stuff arrives daily.

  No upload/download "ratios" EVER. Download as much as you want, as
   often as you want, and never feel pressued doing it.

  Live, interactive nightly chats with Amiga folks whose names you
   will recognize. Special conferences. Random chance prize contests.
   Famous Amiga folks aren't the exception on Portal, they're the norm.

   Vast Message bases where you can ask questions about *anything*
    Amiga related and get quick replies from the experts.

   Amiga Internet mailing lists for Imagine, DCTV, LightWave, HyperAmi,
    Director and Landscapes are fed right into the Zone message bases.
    Read months worth of postings. They don't scroll off, ever!
    No need to clutter your mailbox with them.

   FREE unlimited Internet Email. Your Portal account gets you a
    mailbox that's connected to the world. Send letters of any length to
    computer users in the entire industrialized world. No limits.
    No extra charges. No kidding!

   Portal has the Usenet. Thousands of "newsgroups" in which
    you can read and post articles about virtually any subject you can
    possibly imagine.

   Other Portal SIGs (Special Interest Groups) online for Mac, IBM, Sun,
    NeXT, UNIX, Science Fiction, Writers, amateur radio, and a graphics
    SIG with thousands of GIF files to name just a few. ALL Portal SIGs
    are accessible to ALL Portal customers with NO surcharges ever.

   The entire UPI/Clarinet/Newsbytes news hierarchy ($4/month extra)
    An entire general interest newspaper and computer news magazine.

   Portal featues an exciting package of Internet features: IRC, FTP,
    TELNET, MUDS, LIBS. Free to all Portal customers with your account.
    Internet Services is a menu driven version of the same kinds of
    utilities you can also use from your Portal UNIX shell account.

   All the files you can FTP. All the chatting you can stand on the IRC.
    And on IRC (Internet Relay Chat) you can talk live, in real time
    with Amiga users in the U.K., Europe, Australia, the Far East,
    24 hours a day.

   Our exclusive PortalX by Steve Tibbett, the graphical "front end"
    for Portal which will let you automatically click'n'download your
    waiting email, messages, Usenet groups and binary files! Reply to mail
    and messages offline using your favorite editor and your replies are
    sent automatically the next time you log into Portal.
    (PortalX requires Workbench 2.04 or higher)

   And Portal does NOT stick it to high speed modem users. Whether
    you log in at 1200 or 2400 or 9600 or 14.4K you pay the same low
    price.

How does all that sound? Probably too good to be true. Well, it IS true.

Portal Signup or for more information:

   408-973-9111 (voice) 9a.m.-5p.m. Mon-Fri, Pacific Time
   408-725-0561 (modem 3/12/2400) 24 hours every day
   408-973-8091 (modem 9600/14400) 24 hours every day

   or enter "C PORTAL" from any Sprintnet dial-in in the USA,
   or telnet to "portal.com" from anywhere.

PORTAL'S CURRENT RATES:

All prices shown are in U.S. Dollars

	Startup Fee $	Monthly Fee $	Fee Per Hour $	Total Cost 1 hr. Per month $	Total Cost 5 hrs. per month $	Total Cost 10 hrs. per month $	Total Cost 30 hrs. per month $
Portal	19.95	19.95					
2400/9600/14.4Kbps, *direct 24 hrs			0.00	19.95	19.95	19.95	19.95
2400/9600bps nonprime Sprint			2.50	22.95	32.45	44.95	94.95
2400/9600bps prime Sprint +%			5.50-10	29.95	69.95	119.95	varies
2400/9600bps non prime # PCPursuit			1.00	20.95	24.95	29.95	49.95

* plus cost of phone call if out of Portal's local dialing area
  Direct rates also apply to connections made to Portal using the
  UNIX "telnet" program from an account you may already
  have on an Internet-connected system.
% 9600 bps Sprintnet in over 300 cities areas
+ $10 rate prevails at smaller US Cities
# PCPursuit is a service of US Sprint. Portal is a PCPursuit
 "Direct Access Facility" thus connection to Portal with a PCP account
 is simply a matter of entering C PORTAL,PCP-ID,PCP-PASSWORD at the
 SprintNet login prompt instead of C PORTAL.

Note:

   Portal Direct 9600/14400 bps service is availble for both USR HST
   modems, and any V32/V32.bis modems. There are dozens of direct-dial
   high speed lines into Portal. No busy signals!

   SprintNet 9600bps service is V.32 modem protocol only.
   Again, Portal does NOT surcharge high speed modem users!

   Portal subscribers who already have an account on an Internet-capable
   system elsewhere, can use that system's "telnet" program
   to connect to Portal for $0.00 an hour. That's right ZERO. From anywhere
   in the world. If you're in this category, be sure to ask the Portal
   reps, when you signup, how to login to Portal from your existing
   Internet account.

Call and join today. Tell the friendly Portal Customer Service
representative, "The Amiga Zone and Amiga Report sent me!"

[Editor's Note: Be sure to tell them that you are an Amiga user, so
they can notify the AmigaZone sysops to send their Welcome Letter and
other information!]

That number again: 408-973-9111.

Portal Communications accepts MasterCard, Visa, or you can pre-pay any
amount by personal check or money order. The Portal Online System is
a trademark of Portal Communications.

1.20 Dealer Directory

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%                         Dealer Directory                          %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

```
                        Almathera Systems Ltd
                          Southerton House
                       Boundary Business Court
                          92-94 Church Road
                           Mitcham, Surrey
                          CR4 3TD  England
                      VOICE: (UK) 081 687 0040
                      FAX:   (UK) 081 687 0490
           Internet: (Sales) almathera@cix.compulink.co.uk
                (Technical) jralph@cix.compulink.co.uk


                       Amigability Computers
                           P.O. Box 572
                        Plantsville, CT  06479
                         VOICE: 203-276-8175
                     Internet:  amiga@phantm.UUCP
                           BIX:  jbasile
            (Send E-mail to subscribe to our mailing list)



                        Apogee Technologies
                       1851 University Parkway
                         Sarasota, FL  34243
                        VOICE:  813-355-6121
                          Portal:  Apogee
                   Internet:  Apogee@cup.portal.com



                        Armadillo Brothers
                        753 East 3300 South
                       Salt Lake City, Utah
                       VOICE:  801-484-2791
                   Internet:  B.GRAY@genie.geis.com



                        Atlantis Kobetek Inc.
                        1496 Lower Water St.
                     Halifax, NS, Canada, B3J 1R9
                        Phone:  (902)-422-6556
                        Fax:    (902)-423-9339
                        BBS:    (902)-492-1544
                   Internet:  aperusse@fox.nstn.ns.ca



                      Brian Fowler Computers Ltd
                            11 North St
                             Exeter
```

```
                              Devon
                             EX4 3QS
                         United Kingdom
                    Voice: (0392) 499 755
                    Fax:   (0392) 423 480
          Internet:  brian_fowler@cix.compulink.co.uk


                 CLICK! Amiga Specialists N.V.
                      Boomsesteenweg 468
                  B-2610 Wilrijk - Antwerpen
                       Belgium - Europe
                   VOICE:  03 / 828.18.15
                    FAX:   03 / 828.67.36
              USENET:  vanhoutv@click.augfl.be
                     FIDO:  2:292/603.9
                  AmigaNet:  39:120/102.9



                   Comspec Communications Inc
              Serving your computing needs since 1976
                        74 Wingold Ave
                       Toronto, Ontario
                       Canada   M6B 1P5
              Computer Centre:   (416) 785-8348
          Service, Corporate & Educational Sales: (416) 785-3553
                      Fax:  416-785-3668
              Internet:  bryanf@comcorp.comspec.com
                       bryanf@accesspt.north.net



                  Computers International, Inc.
                       5415 Hixson Pike
                    Chattanooga, TN  37343
                    VOICE:  615-843-0630



                      DataKompaniet ANS
                      Pb 3187  Munkvoll
                      N-7002  Trondheim
                       Norway - Europe
                    VOICE/FAX:  72 555 149
                 Internet:  torrunes@idt.unit.no



                        Digital Arts
                     122 West 6th Street
                    Bloomington, IN  47404
                    VOICE: (812)330-0124
                    FAX:   (812)330-0126
                        BIX:  msears



                    Finetastic Computers
                    721 Washington Street
                     Norwood, MA  02062
                    VOICE:  617-762-4166
```

```
                       BBS:  617-769-3172
                       Fido:  1:101/322
                 Portal:  FinetasticComputers
           Internet:  FinetasticComputers@cup.portal.com



                      HT Electronics
                 275 North Mathilda Avenue
                   Sunnyvale, CA  94086
                   VOICE:  408-737-0900
                   FAX:    408-245-3109
                  Portal:  HT Electronics
           Internet:  HT Electronics@cup.portal.com



                   Industrial Video, Inc.
                   1601 North Ridge Rd.
                    Lorain, OH  44055
                   VOICE:  800-362-6150
                           216-233-4000
           Internet:  af741@cleveland.freenet.edu
                   Contact:  John Gray



                       MicroSearch
                9000 US 59 South, Suite 330
                     Houston, Texas
                   VOICE:  713-988-2818
                   FAX:    713-995-4994



                  Mr. Hardware Computers
                      P.O. Box 148
                     59 Storey Ave.
                 Central Islip, NY 11722
                   VOICE:  516-234-8110
                    FAX:   516-234-8110
                A.M.U.G. BBS:  516-234-6046



          MusicMart:  Media Sound & Vision
                    71 Wellington Road
                 London, Ontario, Canada
                   VOICE:  519-434-4162
                    FAX:   519-663-8074
                    BBS:   519-457-2986
                   FIDO:   1:221/125
                AmigaNet:  40:550/1
                 MaxNet:   90:204/1
                iNET: koops@gaul.csd.uwo.ca



                      PSI Animations
                 17924 SW Pilkington Road
                  Lake Oswego, OR  97035
                   VOICE:  503-624-8185
            Internet:  PSIANIM@agora.rain.com
```

```
                    Software Plus Chicago
                   3100 W Peterson Avenue
                      Chicago, Illinois
                   VOICE:   312-338-6100



                    Wonder Computers Inc.
                      1315 Richmond Rd.
              Ottawa, Ontario, Canada K2B 8J7
                   Voice:   613-596-2542
                   Fax:     613-596-9349
                   BBS:     613-829-0909



                         CYNOSTIC
                        Office O1,
              Little Heath Industrial Estate,
                     Old Church Road,
                        Coventry.
                         CV6 7NB
                     UNITED KINGDOM
                 Tel: +44 (0)203 681687
                 Fax: +44 (0)203 638508
        David Cassidy email: bsupa@csv.warwick.ac.uk



                     DataService Oy
                      P.O. Box 50
                   Kuurinniityntie 30
                      02771 ESPOO
                   Findland, Europe
             Voice: +358 (9) 400 438 301
             Fax:   +358 (9) 0505 0037



                     PROTONIC INC.
                     Amiga RuleZ!
                    4-3-11 Shinbashi
                     Yanagi Bldg 4F
                  Minato-ku,Tokyo 105
                         Japan
                Tel:+81 (0)3 5402-7425
                Fax:+81 (0)3 5402-7427
           and of course the BEST Amiga BBS in Japan
      BBS:Grey Matter BBS +81 (0)3 5709-1907 (8N1 V32bis 24H )
                Email: nighty@gmatter.twics.com



                    Amiga Video Solutions
                    1568 Randolph Avenue
                    St. Paul, MN  55105
                   Voice:  612-698-1175
                   BBS:    612-698-1918
                   Fax:    612-224-3823
               Net:  wohno001@maroon.tc.umn.edu
```

```
                            Magic Page
                         3043 Luther Street
                       Winston-Salem, NC 27127
                        910-785-3695 voice/fax
                        Spiff@cup.portal.com


                            Keizer Tech
                          3881 River Rd N
                         Keizer, OR 97303
                               USA
                         Voice: 393-5472


           (Dealers:  To have your name added, please send Email!)
```

1.21 BIX

```
/// BIX - Byte Information Exchange            Lots of information!
    -----------------------------
```

BIX is the premier online service for computing professionals and enthusiasts.
While other online services cater to computer novices, BIX is the place for
knowledgeable people to go for answers to tough questions. You're likely
to find many others in similar situations who can offer advice, give
technical assistance, or point you in the right direction.


```
                 *** FULL INTERNET ACCESS! ***
```

BIX features access to the Internet - you can use FTP to transfer
files from sites all over the world, telnet to log on to other online
services, schools, and research sites, and send Internet mail to millions
of people at services like DELPHI, CompuServe, America Online, MCI Mail,
and other sites and services. Services like "WHOIS" and "Finger" are
also available, with more features on the way (like USENET newsgroups;
our newsreader is currently being tested and should be available very
soon!) There are no usage fees or special charges for Internet access -
it's all part of your BIX subscription.


```
                  ==============================
                  Rates and Connect Information:
                  ==============================
```

BIX membership costs $13 per month, plus connect time. There are several
different ways to connect:

```
SprintNet*            $3/hour evenings/weekends   $9/hour weekdays
Tymnet:**             $3/hour evenings/weekends   $9/hour weekdays
(SprintNet and Tyment rates shown are for 48 contiguous US states only.)

Tymnet Canada:        $4/hr eves/wkends           $9/hour weekdays
```

```
Tymnet Hawaii:            $10/hr eves/wkends          $20/hour weekdays
Telnet(via Internet):    $1/hour, round the clock
Direct dial (Boston):    $2/hour, round the clock (up to 9600 bps)
```

 * SprintNet daytime hours are from 6am to 7pm, M-F, ET.
** Tymnet daytime hours are from 7am to 6pm, M-F, ET.

20/20 PLAN OPTION (for USA-48 users only):

Volume users can choose the 20/20 Advantage Plan, which is $20 per month
and includes the first 20 hours of access by any combination of methods
from the contiguous United States. Additional use is $1.80 per hour
(additional use for telnet access is $1 an hour). The 20/20 Plan's cost is
in addition to the $13 monthly fee.

INTERNATIONAL USERS:

If you wish to connect internationally through Tymnet or SprintNet,
please contact your local PTT. BIX accepts prepaid international calls,
direct dial, or telnet connections. In order to make a "collect" (not
prepaid) call to BIX, your account must be verified before the charges
are accepted. When you complete the registration, we'll mail you a BIX
Membership Agreement by regular US Mail. Whe you receive it, sign it
and return it to us by mail. When we receive it here, we'll authorize
your account to make reverse charged calls.

If you want to access BIX right away, contact your local PTT to set up a
prepaid account. You'll pay your local carrier for your calls to BIX in
advance, so there's no waiting period or verfication needed. Or, connect
at BIX via telnet to x25.bix.com.

SprintNet international calls from most locations are $24 an hour.
Tymnet international charges vary, but are generally between $20-$30 an hour.


```
                    ====================
                    Billing Information:
                    ====================
```

You can charge your monthly BIX membership fees to your Visa,
Mastercard, Discover, or American Express card.

You may have your company invoiced for one or more BIX memberships with
a BIX Corporate Account.

```
                    ==================
                    To Sign Up For BIX:
                    ==================
```

   Dial by modem 1-800-695-4882 or 617-491-5410 *
   (use 8 data bits, no parity, full duplex)

   Press a few carriage returns until you see the Login:(enter "bix")
   prompt, then type bix

   At the Name? prompt, type bix.amrpt

* Users already on the internet can telnet to x25.bix.com instead.
  At the USERNAME: prompt enter bix, then bix.net at the Name? prompt.
  Once your account is registered, you can connect the same way, except
  at the Name? prompt you'll enter your BIXname and then your password.

Using the above procedure will allow users in the 48 contiguous United
States to take advantage of our special "5 for $5" offer. This offer
lets you use up to 5 hours of evening/weekend time on BIX during the
current calender month (whatever month you sign up in), for $5.
Additional time is $1.80 per hour ($1 per hour for telnet). At the end
of the calender month, you will be placed into our standard rate plan,
at $13 monthly plus connect charges. You may also join the 20/20 Plan
at this time.

If you have other questions, please contact BIX Member Services
at (800) 695-4775; send a fax to BIX at (617) 491-6642; or send Internet
mail to info@bix.com.

BIX Member Services hours are 12pm - 11pm, Monday through Friday, ET.

1.22 Editor.Gadget v1.0

TITLE

    Editor.Gadget

VERSION

    1.0

AUTHOR

    Mark Thomas

    Email: mthomas@cs.utexas.edu

    Smail: 1515 Royal Crest Dr. #3259
           Austin, TX 78741

DESCRIPTION

    The editor.gadget is a BOOPSI gadget for text entry,
    supporting multiple lines, borders, two cursor types,
    an optional notepad look, font setting, style setting,
    and much more.

    A programmer who is familiar with BOOPSI can use this
    gadget by simply creating an instance and then adding
    the gadget instance to a window's gadget list. All
    text editing is then handled by the gadget. When the
    programmer needs the text in the gadget, he/she can just
    read the text in. When the gadget is no longer needed

        it can be deleted.

SPECIAL REQUIREMENTS

        The gadget requires OS 2.04 and up. From the user's
        standpoint, for OS 2.04 and 2.1 the gadget must
        be placed in a drawer where the application that uses
        it exists, and for OS 3.0 and up the gadget can be
        installed in SYS:Classes/Gadgets.

HOST NAME

        It is available on Aminet. Aminet's main site is
        ftp.wustl.edu (128.252.135.4).

DIRECTORY

        /pub/aminet/dev/gui

FILE NAME

        editorgadget.lha

PRICE

        I do not require a fee to be paid by end users of the
        gadget, but the programs that use the gadget may require
        paying a fee of some sort, which should be directed to
        the author of that software, not me.

        The cost for using this gadget in a program is that I
        get a copy of the software package it is used in, at no
        cost to me. The purpose of this requirement is that
        I will be able to evaluate future needs of the gadget.
        Also, there should be mention of the gadget and author
        in the programs and documentation of the programs that
        use the gadget. In programs you can drop a short line
        in the About requester: editor.gadget by Mark Thomas.

DISTRIBUTABILITY

        The archive may be distributed only in its entirety to
        anywhere, such as ftp sites, a BBS, or a disk collection
        such as Fish disks.

        The editor.gadget file itself, and portions of the
        documentation pertaining to editor keyboard sequences
        can be distributed with software packages that use the
        gadget.

        In light of the fact that I give people the right to
        copy the archive and certain files, I can't actually
        retain a "copy" right, so therefore I am retaining the
        maintenance right (not recognized by law I'm sure).
        This right gives me the exclusive ability to make
        modifications to the files in the archive.

OTHER

    Please send any bug reports or suggestions to me. There
    is a fully working example program that uses the gadget
    in the archive.

    Enjoy!

1.23 QuickTools v1.1

TITLE

    QuickTools

VERSION

    Release 1.1 (05 May 94)

COMPANY

    Ultima Thule Software

AUTHOR

    Eivind Nordseth   Email: eivindno@idt.unit.no

DESCRIPTION

    QuickTools is the tool package for the harddisk owner
    who is tired of writing long pathnames when changing
    directories and who doesn't have the time to search
    for files manually. QuickTools consists mainly of four
    small utilities and a library where the search
    routines are. All search routines support standard
    AmigaDOS wildcards.

    Qcd:
    With this you can change directory by only writing
    enough of the directory name to identify it. The
    directory can be anywhere on the harddisk. If more
    than one directory maches the search word a requester
    will pop up and you can select the directory you want
    to change to.

    If you want to change to a directory with the
Path: NOT-FOR-MAIL

    It's several ways to do it: You can write:
    'Qcd Harddisk0:Work/SAS/SelfMade/QuickCD' (the hard way)
    Or just: 'Qcd qui'   (the fast way)

    QFind:
    Search for files, scans through the database in just a
    few seconds.

```
        QPop:
        A commodity for file and directory searching.

        QMan:
        A documentation finding utility which uses the database
        to locate the documentation file for a specified program.
        The file found can be shown with a configurable viewer.
        These programs are a must for any serious hard-disk user!!
```

NEW FEATURES

```
        Brief summary of news and fixes for Release 1.1:
        o Default arguments for most commands can be put in
          enviroment variables.
        o QCD opens selection requester on the active public
          screen if possible.
        o Posiblilites to disable the selection requester in QCD.
        o GetQInfo has got a number of new parameters: OLDERTHAN,
          DELAY, SAVEREQUEST, EXCLUDEDIR, EXCLUDEFILE.
```

SPECIAL REQUIREMENTS

```
        Requires an Amiga with OS compatible with Workbench
        2.04. A harddisk is also nice to have :-)
```

HOST NAME

```
        QuickTools is ftp uploaded to Aminet and can be found
        at: wuarchive.wustl.edu          128.252.135.4

        It should also be available at all other Aminet sites.
```

DIRECTORY

```
        Directory: /pub/aminet/util/cli
```

FILE NAMES

```
        Filemame : QuickToolsR11.lha
```

PRICE

```
        QuickTools Release 1.1 is FreeWare.
```

DISTRIBUTABILITY

```
        Copyright (C) 1994 Ultima Thule Software, All Rights Reserved.
        QuickTools is NOT public domain, but freely distributable.
```

1.24 Beginner's Guide to Amiga E v1.0

TITLE

```
        Beginner's Guide to Amiga E
```

VERSION

　　Edition 1.0. Covers the latest (PD) version 2.1b of Amiga E.

AUTHOR

　　Jason R. Hulance <jason@fsel.com> (or <m88jrh@ecs.ox.ac.uk>).

DESCRIPTION

　　This Guide is intended to be complementary to the existing Amiga
　　E documentation, and it is aimed at the beginner, rather than the
　　more experienced programmer. Amiga E is (currently) an Amiga
　　specific programmming language, designed and implemented by
　　Wouter van Oortmerssen. It has become quite popular due to,
　　amongst other things, its amazingly fast compilation speed and
　　its similarity to C and Modula-2.

　　The Guide is divided into three main parts: the first assumes
　　very little knowledge of programming and progresses through the
　　second to describe all aspects of the Amiga E language. The
　　third part is dedicated to some illustrative examples.
　　Experienced programmers (who are new to Amiga E) may find the
　　second part useful for learning the language, especially if read
　　in conjunction with Wouter's documentation.

　　The topics covered in Part One include procedures, variables and
　　expressions. Part Two builds on this, describing the type system
　　(including the list and string types), quoted expressions,
　　built-in functions, modules, exceptions and recursion.

　　The Guide may also be used as a quick reference, since it
　　includes both a language and a concept index. The concept index
　　is pretty exhaustive. The language index covers all the language
　　keywords and built-in functions, constants and variables.

　　There are two forms of the Guide included in the archive: an
　　AmigaGuide(R), hypertext version and an ANSI text version. (The
　　latter is the more suitable for printing, using standard Amiga
　　printer drivers.) Other forms are available (such as a more
　　AmigaGuide-v34 friendly version) from the author (see below).

SPECIAL REQUIREMENTS

　　To get the most from this you need the Amiga E package,
　　obviously. The current version is v2.1b and is Public Domain.
　　You can find it in, for instance, the dev/e directory on any
　　Aminet site. If you don't already have a copy, try it: you might
　　be very surprised.

　　There is a text version of the Guide in the archive, so you don't
　　need to use a hypertext viewer, but it is preferable.

HOST NAME

　　Aminet. For example, ftp.doc.ic.ac.uk (146.169.2.1) in the UK.

DIRECTORY

    /pub/aminet/dev/e

FILE NAMES

    BeginnersGuide.lzh (200Kbytes)

PRICE

    Free. A more AmigaGuide-v34 friendly version is also available,
    but separately from the author (to keep the archive size down).
    Also, a TeX dvi and a PostScript version are available for a
    small cost (five UK pounds). They don't contain anything more,
    but are much nicer for printing (the cross references and
    indexes, especially).

DISTRIBUTABILITY

    The archive is freely distributable so long as it is complete and
    unaltered. All versions of the Guide are Copyright (c) 1994,
    Jason R. Hulance.

OTHER

    Amiga E v3.0 is due out sometime soon. Wouter has been doing a
    grand job extending and improving the language. There are a lot
    of really exciting new features. This Guide will hopefully be
    completely revised to cover the new version. You, the reader,
    are strongly encouraged to help me improve it by sending me your
    criticisms.

1.25 ImageDex v2.1

TITLE

    ImageDex 2.1

AUTHOR

    Zach Williams (zachws@ids.net)

    Precision Imagery
    PO Box 20676
    Cranston, RI 02920

DESCRIPTION

    Update and bug-fix to utility program that acts as a graphic front-end
    to Art Department Professional 2.2 to 2.5. Program will take a
    series of image files (any format) and create an image index of scaled
    down "thumb-nail" pictures, labelled appropriately.

    Useful for cataloging images, textures and anim frames,
    allowing them to be stored off the main system.

NEW FEATURES
        - Several bug fixes from version 2.0
        - Multiple output resolutions, including PAL screens.
        - New output modes (DCTV, 24-bit IFF, HAM8)
        - Greatly improved requesters - uses ReqTools
        - More choices for number of pictures per image
        - Full menus with hot-keys
        - Options for printable output (ex. gray-scale, white background)
        - Cleaner, sharper, more colorful output
        - Fuel-gauge type "% Complete" display
        - Many bug fixes from 1.0

SPECIAL REQUIREMENTS

        - AmigaDOS 2.0+
        - Art Department Professional 2.2+
        - ARexx

HOST

        Aminet FTP sites (ftp.wustl.edu, ftp.luth.se, etc)

DIRECTORY

        pub/aminet/gfx/misc

FILENAME

        ImagDx21.lha

PRICE

        ShareWare, $15 reg. fee.

DISTRIBUTION

        Freely redistributable as long as archive is intact. All
        rights reserved. Not to be re-sold, except for duplication/disk
        costs ($4 max), or with express written consent from the author.

1.26 In Closing

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%                       _   _   __  ___   _                       %%
%%                      /\  |\   /| || // \  /\                    %%
%%                     /  \ | \ /|| ||(< __  /  \                  %%
%%                    /--- \|  \/ || || \_||/--- \                 %%
%%                   /_____\            %%
%%                  /                               \             %%
%%          Amiga Report International Online Magazine            %%
%%                  May 27, 1994  ~ Issue No. 2.17                %%
%%              Copyright  1994 SkyNet Publications              %%
```

1.27 Columns and Features

```
                    From the Editor's Desk
                    Saying it like it is!

                         Amiga News
                    News and Announcements

                       compt.sys.amiga
                    Where do we go from here?

                    Programming HASH Tables
                    Dialing into an array

                        UseNet Review
                    Fury of the Furries CD32 version

                        Music Modules
                    The >AMIGA< sound of music

                         SubVersion
                    From the depths of the ocean comes...

                          AR Contest!
```

```
Enter and Win!

   Emulation Rambler
Final analysis of the Macs!

            CIX
The information service of Europe.
```

1.28 About Amiga Report

```
For Starters
Where to get AMIGA REPORT

  AR Staff
The Editors

 In Closing
Copyright Information
```

1.29 The Editors

```
   Feel free to contact any of the editors!


 Robert Niles
The Editor-in-chief

Jason Compton
The Emulation Editor

 Jesper Juul
The European Editor

David Tiberio
Contributing Editor
```

1.30 Commercial Online Services

```
 Delphi
Getting better all the time!

 Portal
A great place for Amiga users...

 InterNet
Subscribe to the AR Mailing List

   BIX
```

                    For Serious Programmers and Developers

1.31   Files Available for FTP

              Editor.Gadget v1.0
          BOOPSI gadget for text entry

             QuickTools v1.1
          Four small utilities

          Beginner's Guide to E
          E instruction manual

              ImageDex v2.1
          Front End to ADPro

~~~~~~
The most downloaded files from wustl.edu during the week until 22-May-94
Most popular file on top.

File   Dir   Size Description
-------------------- ---   ---- -----------
PFS75.lha   disk/misc   48K+Professional file system for the Amiga
GBlanker3.2.020.lha   util/blank 166K+Modular screen blanker. 020+ version.
ar216.lha   docs/mags   59K+Amiga Report 2.16, 20-May-94
dog3d.lha   gfx/misc   75K+(AGA) New version of dog3d (looks better +
IntrAdrGuide105.lha   comm/net   74K+Internet Adress book for use Term
sbz.lha   game/misc   339K+Super Battle Zone - 3D game written in Amo
yak158.lha   util/cdity 184K+Yak 1.58 multi-purpose commodity
superview-lib4_1.lha gfx/show   218K+Multi-GfxFormat loading, saving + displayi
my_wolf.lha   demo/euro   271K Demo from The Party 92
tbc21.lha   util/misc   31K+Stylish WB2.0/3.0(AGA) Digital Clock

~~~~~~

1.32   NOVA

                          * NOVA BBS *
               Official Amiga Report Distribution Site
           Support BBS of The Chattanooga Amiga Users Group
                   * Running MEBBSNet BBS *
                   Wayne Stonecipher, Sysop
           AmigaNet 40:210/10.0   40:210/1.0   40:210/0.0
                      FidoNet 1:362/508.0
             An Amiga Software Distribution Site (ADS)
             615-472-9748 USR DS 16.8 24hrs - 7 days
                      Cleveland, Tennessee

              All AR back issues are kept online.
        All new users receive access to the AR on the first call.
          Any AR issue may be file requested with proper name.

```
                 To obtain the current issue you may FReq
                    Proper name, AR.LHA or simply AR
```

1.33   In The MeanTime

```
                        * IN THE MEANTIME BBS *
                 Official Amiga Report Distribution Site
                        * Running AXShell *
                         Robert Niles, Sysop
                        rniles@imtired.itm.com
            509-248-5645  Supra V.32bis  24hrs - 7 days
                         Yakima, Washington



                    ******* Notice *******
```

Those who call for the latest edition of Amiga Report, and who do not with
to establish an account, at the first login: prompt type "bbs", at the
second login: prompt type "guest".

Once in type "ARMAG" (without the quotes) at any prompt.

1.34   PIONEERS BBS

```
                         * PIONEERS BBS *
                    ** A PREMIER GENEALOGY BBS **
           ** WEST COAST - Amiga Virus Busters Support BBS  **
                    ** CD32 REVIEW Support BBS **
                              AND NOW
                 Official Amiga Report Distribution Site
                       * Running EXCELSIOR! BBS *
                    Michael & Marthe Arends, Sysops
                         FidoNet:  1:343/54.0
              206-775-7983 Supra 14.4k v32.bis  24hrs - 7 days
                         EDMONDS, Washington
```

 New users can call and get ANY copy of Amiga Report. Just call using
 the Name "Long Distance" and the password "Longdistance"(without the
 quotes of course). Users using this account will have full access to
 ALL past and present issues of AMIGA REPORT starting with the premier
 issue. The latest issue of Amiga Report can be Freq'ed (FileREQusted)
 from here as "AR.LHA", Freq's are valid at ANY time.

1.35   Biosmatica

```
                        * BIOSMATICA BBS *
             Official Amiga Report Distribution Site -- Portugal
                  * Running Excelsior/Trapdoor/UUCP *
                         Celso Martinho, Sysop
```

```
                         FidoNet  2:361/9
              +351-34-382320  V.32bis  24hrs - 7 days
```

1.36   Amiga Junction 9

```
                      * AMIGA JUNCTION 9 *
        Official Amiga Report Distribution Site -- United Kingdom
                   * Running DLG Professional *
                     Stephen Anderson, Sysop
               Sysop Email:  sysadmin@junct9.royle.org


   Line 1  +44 (0)372 271000  14400  V.32bis/HST   FidoNet 2:440/20
   Line 2  +44 (0)372 278000  14400  V.32bis only  FidoNet 2:440/21
   Line 3  +44 (0)372 279000  2400   V.42bis/MNP

   Voice:  +44 (0)956 348405  (24hrs)  Direct Sysop Voice Line


                 Internet:  user_name@junct9.royle.org


      Special Interest Areas: - Bjork / Sugarcubes Fan Club
                              - Research of Lucid Dreaming
```

1.37   BitStream BBS

```
                       * BITSTREAM BBS *
           The BBS of the Nelson (NZ) Amiga Users Group
             Official Amiga Report Distribution Site
                   * Running Xenolink 1.0 Z.3 *
                       Glen Roberts, Sysop
                       FidoNet 3:771/850
           +64 3 5485321  Supra V.32bis  24hrs - 7 days
                       Nelson, New Zealand
```

1.38   Realm of Twilight

```
                    * REALM OF TWILIGHT BBS *
        Official Amiga Report Distribution Site -- Canada
                  * Running Excelsior! BBS *
                   Thorsten Schiller, Sysop
             Usenet: realm.tdkcs.waterloo.on.ca
             UUCP:   ...!uunet.ca!tdkcs!realm
                   FIDO: 1:221/302
                   Fish: 33:33/8
                    24hrs - 7 days
                 519-748-9365  (2400 baud)
                 519-748-9026  (v.32bis)
                      Ontario, Canada
```

```
       Hardware: Amiga 3000, 105 Meg Quantum, 213 Meg Maxtor, 5 megs RAM
```

1.39 Metnet Triangle

```
                       METNET TRIANGLE SYSTEM
                Official Amiga Report Distribution Site
                        UK Support for Mebbsnet
                 * Running Mebbsnet and Starnet 1.02a *
                          Jon Witty, Sysop
                        FIDO:  2:252/129.0
                          24 hrs - 7 days
                Line  1:   44-482-473871  16.8 DS HST
                Lines 2-7: 44-482-442251  2400 (6 lines)
                Line  8:   44-482-491744  2400
                Line  9:   44-482-449028  2400
             Voice helpline  44-482-491752  (anytime)


             Fully animated menus + normal menu sets.
             500 megs HD - Usual software/messages
        Most doors online - Many Sigs - AMIGA AND PC SUPPORT
             Very active userbase and busy conference
        Precious days and MUD online. AMUL support site.
```

1.40 Omaha Amiganet

```
                          * OMAHA AMIGANET *
                Official Amiga Report Distribution Site
                     * Running DLG Professional *
                        Andy Wasserman, Sysop
                          24 hrs - 7 days
                        FidoNet:  1:285/11
                        AmigaNet:  40:200/10
                 Line 1:  402-333-5110  V.32bis
                 Line 2:  402-691-0104  USR DS
                        Omaha, Nebraska
```

1.41 Amiga-Night-System

```
                       * AMIGA-NIGHT-SYSTEM *
            Official Amiga Report Distribution Site - Finland
                     * Running DLG Professional *
                        Janne Saarme, Sysop
                          24 hrs - 7 days
                   InterNet: luumu@fenix.fipnet.fi
                       FidoNet:  2:220/550.0
                       +358-0-675840  V.32bis
                          Helsinki, Finland
```

1.42   Ramses Amiga Flying

```
                      * RAMSES THE AMIGA FLYING *
            Official Amiga Report Distribution Site -- France
                     * Running DLG Professional *
                         Eric Delord, Sysop
                      Philippe Brand, Co-Sysop
                     Stephane Legrand, Co-Sysop
                  Internet: user.name@ramses.gna.org
                        Fidonet: 2:320/104
                     +33-1-60037015 USR DS 16.8
                     +33-1-60037713 V.32bis
                     +33-1-60037716 1200-2400
```

Ramses The Amiga Flying BBS is an Amiga-dedicated BBS running DLG-Pro
on a Amiga 3000, 16MB RAM, 2GB Disk space, 3 lines.

We keep a dayly Aminet site mirroring, NetBSD-Amiga complete mirror site
from ftp.eunet.ch (main site), Amiga Report, GNU Amiga, Ramses is the
SAN/ADS/Amiganet French coordinator.

1.43   Gateway BBS

```
                        * THE GATEWAY BBS *
               Official Amiga Report Distribution Site
                      * Running Excelsior! BBS *
                      Stace Cunningham, Sysop
                       Dan Butler, CoSysop
                         24 hrs - 7 days
                 InterNet: stace@tecnet1.jcte.jcs.mil
                       FidoNet:  1:3604/60.0
                601-374-2697 Hayes Optina 28.8 V.FC
                        Biloxi, Mississippi
```

1.44   Talk City

```
                          * TALK CITY *
               Official Amiga Report Distribution Site
                      708-372-0190 - 2400bps
                      708-372-0268 - V32 14.4K
                      708-372-0283 USR DS 14.4K
   Fido Net 1:115/372,0  Phantom Net 11:2115/2.0  Clink Net 911:6080/4.0
                        UUCP tcity.com


      Over 3 Gig of Files Online  |  More and More things everyday.
```

With Three IBM CD-ROMs online, 10 lines, support for all platforms,
and a REALLY dedicated sysop (The Mayor).

1.45   Amiga BBS

```
                        * Amiga BBS *
              Official Amiga Report Distribution Site
                   * Running Excelsior! BBS *
                   Alejandro Kurczyn, Sysop
                       FidoNet  4:975/7
                   First Amiga BBS in Mexico
                  (5) 887-3080   9600 V32,MNP
                   Estado de Mexico,  Mexico
```

1.46   The Stygian Abyss

```
                       * THE STYGIAN ABYSS BBS *
                 312-384-0616  14.4 USR Courier HST
                 312-384-6250  14.4 Supra V.32 bis (FREQ line)
                 312-384-0716  2400 USR Courier


  FIDONet-1:115/384.0    CLink-911:6200/2.0  NWNet-206:310/0.0--206:310/1.0
      PhantomNet Central States Cooridinator-11:2115/0.0--11:2115/1.0
      FaithNet Central States Cooridinator-700:6000/0.0--700:6000/1.0
                     AMINet Chicagoland HUB-559:2/5.0
                           Chicago, Illinois


   Over 4 GIGS of files  I  Over 3700 MODS  I  Over 120 On-Line Games
          Tons of digitized sounds  I  Over 15,000 GIFS
         Supporting:  Amiga  I  IBM  I  Macintosh  I C=64/128
           SIR SAMMY-SysOp     Enter.......If you dare!!
```

1.47   Amiga Do PC BBS

```
                        * AMIGA DO PC BBS *
             Official Amiga Report Distribuition Site - Brazil
                    * Running Excelsior! v 1.18 *


                         +55-192-33-2260
                   Weekdays: 19-07 (-3 GMT)
                      Weekends: 24 hours
                      Fidonet:  4:801/44
                      RBT:      12:1212/1
                      Virinet:  70:101/17


            Internet:  fimoraes@dcc.unicamp.br
                   Francisco Moraes, sysop
                        Campinas, SP


          Freq AREPORT for the newest issue avaiable.
```

1.48   Comm-Link BBS

```
                    * COMM-LINK BBS *
           Official Amiga Report Distribution Site
                 * Running Excelsior Pro *
                 604-945-6192  USR DS 16.8
                     24 hrs - 7 days
               Fido:        1:153/210.0
             AmigaNet     40:800/9100.0
             InterSports: 102:540/305.0
             PussNet:      169:1000/305.0
        InterNet:  steve_hooper@comm.tfbbs.wimsey.com
                   Steve Hooper, Sysop
                Port Coquitlam, B.C. Canada
```

1.49   Phantom's Lair

```
                    * PHANTOM'S LAIR *
          Official Amiga Report Distribution Site
                  * Running CNET 3.0 *
                  FidoNet:  1:115/469.0
       Phantom Net Cooridinator:  11:1115/0.0-11:1115/1.0
                     708-469-9510
                     708-469-9520
          CD ROMS, Over 15511 Files Online @ 2586 meg
                  Peter Gawron, Sysop
                Glendale Heights, Illinois
```

1.50   Tierra-Miga BBS

```
                 Tierra-Miga  BBS
                  Software: CNet
                  Gib Gilbertson
                24 hours -  7 days
            FidoNet:       1:202/638.0
            AmigaNet:      40:406/3.0
            Internet:      torment.cts.com
            Line #1:       619.292.0754 V32.bis
            City:          San Diego, CA.
```

1.51   Freeland Mainframe

```
                  * FREELAND MAINFRAME *
           Offical Amiga Report Distribution Site
                * Running DLG Progessional *
                  John Freeland, SysOp
            206-438-1670  Supra 2400zi
```

```
                    206-438-2273  Telebit WorldBlazer(v.32bis)
                    206-456-6013  Supra v.32bis
                              24hrs - 7 days
                       Internet - freemf.eskimo.com
                          Olympia, Washington
```

1.52 LAHO

```
                               * LAHO BBS *
             Official Amiga Report Distribution Site -- Finland
                             * Running MBBS *
                           Lenni Uitti, SysOp
                      Juha Mäkinen, SysOp (Amiga-areas)
                      Tero Manninen, SysOp (PC-areas)
                        +358-64-414 1516, V.32bis/HST
                        +358-64-414 0400, V.32bis/HST
                        +358-64-414 6800, V.32/HST
                        +358-64-423 1300, V.32bis
                           Seinäjoki, Finland
```

Our host machine is a 386/33 with 20MB of memory, 1GB harddisk and
a CD-ROM drive running in a Novell network. The BBS software is a
Norwegian origin MBBS running in a DesqView windows.

We have now (26th March 1994) over 10000 files online (mostly for
the Commodore Amiga line of the personal computers.)

Every user has an access to download filelist (LAHOFIL.ZIP), list of the
Finnish 24-hour BBS's (BBSLIST.ZIP or BBSLIST.LHA) and every issue of
the Amiga Report Magazine (AR101.LHA-AR???.LHA) even on their first call.

The system has been running since 1989 and is sponsored by the local
telephone company, Vaasan Läänin Puhelin Oy.

BTW, LAHO stands for "LAtomeren Höyrylaiva Oy" = "Barnsea Steamship Co."

Welcome on board!

1.53 Falling BBS

```
                             * FALLING BBS *
             Official Amiga Report Distribution Site -- Norway
                             * Running ABBS *
                           Christopher Naas, Sysop
                  +47 69 256117  V.32bis  24hrs - 7 days
                      EMail:   naasc@cnaas.adsp.sub.org
```

1.54 Command Line BBS

```
                          * COMMAND LINE BBS *
            Official Amiga Report Distribution Site -- Canada
               Canada's Amiga Graphics & Animation Source
                     * Running AmiExpress BBS *
                         Nick Poliwko, Sysop
                  416-533-8321  V.32  24hrs - 7 days
                          Toronto, Canada
```

1.55 Leguans Byte Channel

```
                        * LEGUANS BYTE CHANNEL *
            Official Amiga Report Distribution Site -- Germany
                       * Running EazyBBS V2.11 *
                       Andreas Geist, Sysop
                  Usenet: andreas@lbcmbx.in-berlin.de
                          24 hrs - 7 days
                  Line 1:  49-30-8110060  USR DS 16.8
                  Line 2:  49-30-8122442  USR DS 16.8

              Login as User: "amiga", Passwd: "report"
```

1.56 Stingray Database BBS

```
                       * STINGRAY  DATABASE *
            Official Amiga Report Distribution Site -- Germany
                       * Running FastCall *
                       Bernd Mienert, Sysop
                EMail: sysop@sting-db.zer.sub.org.dbp.de
                 +49 208 496807 HST-Dual 24hrs - 7 days
                       Muelheim/Ruhr, Germany
```

1.57 T.B.P. Video Slate

```
                       * T.B.P. VIDEO SLATE *
               Official Amiga Report Distribution Site
                  An Amiga dedicated BBS for All
                     * Running Skyline 1.3.2 *
                      Mark E Davidson, Sysop
                          24 hrs - 7 days
                    201-586-3623  USR 14.4 HST
                       Rockaway, New Jersey

        Full Skypix  menus + normal and ansi menu sets.
        Instant Access to all.  Download on the first call.

    Hardware:  Amiga 500 Tower custom at 14 MHz, 350 Meg maxtor,
        125 Meg SCSI Maxtor, 125 Meg IDE Maxtor, Double Speed CD rom,
                          9 meg RAM
```

1.58 Amiga Central

```
                        * AMIGA CENTRAL! *
              Official Amiga Report Distribution Site
                    CNet Amiga Support Site
                  * Running CNet Amiga BBS *
                     Carl Tashian, Sysop
             Internet mail:  root@amicent.raider.net
              615-383-9679  1200-14.4Kbps V.32bis
                      24 hours - 7 days
                     Nashville, Tennessee
```

Hardware: Amiga 3000 Tower 68030+882@25MHz, 105 meg Quantum, 225 meg Seagate, Zoom 14.4k modem

1.59 Continental Drift

```
 +------------------------------------------------------------+
    /\
   /  \____           C O N T I N E N T A L   D R I F T   B B S
  /   /    \
 ::/   /      \::::    Official Amiga Report Distribution Site
 ::\   \  /\   \:::    Running *DLG Pro* BB/OS Software
 :::\   \/  \   \::    Supporting the Amiga 100% Only!
 ::::\       /   /::
      \     /   /      Sysops: Murray Chaffer & Andre Lackmann
       \  /\  /        FIDO: 3:714/911      PH: +612 949 4256
        \/  \/                              (Sydney, Aust.)
 +------------------------------------------------------------+
```

1.60 Amiga Online Bs Heemstede

```
                    Amiga Online Bs Heemstede

                *  HeadQuarters of Online Products *

      Official Amiga Report Distribution Site -- The Netherlands

                    * Running Xenolink 1.90 *

                  Your SysOp is Michiel Willems

                  24 hours a day - 7 days a week

                    Fidonet     : 2:280/464.0
                    DAN Host HQ : 55:100/1.0
                    Amynet Host : 39:151/1.0
                    NLA         : 14:102/203.0
                    BOSnet Hub  : 99:999/2.0
                    e-mail SysOp : michiel@aobh.wlink.nl
```

```
                Line 1 +31-23-282002 14400 v32bis Supra
                Line 2 +31-23-470739 14400 v32bis Supra


          Heemstede, The Netherlands, Europe, The Earth


                       Very nice menu's
              660 Megs HD online - ALOT of software
             ALOT of messages - VERY fast BBS program
              Point support - Lot's of doors online
         Just freq AR of AR.LHA for the latest issue available
```

The system is running on an Amiga 2000 with a HARMS-Prof-3000 030
turboboard at 29Mhz and a copro at 50Mhz, 7MB RAM, 660 Meg HD space
and soon 1 Gigabyte HD space.

Every issue from Amiga Report Magazine online as far as the first issue.

1.61   Guru Meditation

```
                        * GURU MEDITATION *
          Official Amiga Report Distribution Site -- Spain
                    * Running Remote Access *
                       Javier Frias, SysOp
                       +34-1-383-1317  V.32bis
                       24 hours - 7days
                             Spain
```


1.62   Moonlight Sonata DLG

```
            M O O N L I G H T   S O N A T A   D L G


         * Amiga Report Official Distribution Site *
                * DAS ModPlayer Support *


              2 Nodes *FREE PUBLIC* Amiga BBS
         MIDI-tunes, MIDI-utils, Modules, Amiga-files
                 Messages, Door-games, MUD...
               Also patches for several synths!
             (About 100MB of ProTracker Modules!)


       Node #1 - +358-18-161763 - ZyXEL V32b 19200
       Node #2 - +358-18-161862 - HST DS V32 14400
                 Fidonet: 2:221/112.0


             Keyboards: Erno Tuomainen


         Amiga3000 25MHz - 1.3Gigs HD
          BBS Software: Dialog Pro BB/OS
```


1.63   LINKSystem LINK-CH1

```
                      LINKSystem LINK-CH1
        Official Amiga Report Distribution Site - Switzerland
             in local newsgroup link-ch1.ml.amiga-report

                     Mails and News from/to UseNet

                 contact: rleemann@link-ch1.aworld.de

             +41 61 3215643        V32bis/Zyx16800
             +41 61 3832007          ISDN X75/V110
             +41 61 3832008          ISDN X75/V110
```

1.64 Doom of Darkness

```
                        * Doom of Darkness *
                         * Home of AmBoS *
           Official Amiga Report Distribution Site -- Germany

      Marc Doerre (Marc_Doerre), Sysop (BBS-Owner/AmBoS-Support)
         Bernd Petersen (TGM), Sysop (Amiga-Software-Support)
          Gerhard Luehning (Klaro), Co-Sysop (Aminet-Support)
       Kai Szymanski (Kai), Co-Sysop (AR-Support/AmBoS-Support)

             Usenet:  user_name@doom.platinum.werries.de
           Line 1  +49 (0)4223 8355  19200  V.42bis/Zyx
           Line 2  +49 (0)4223 3256  16800  V.42bis/Zyx
           Line 3  +49 (0)4223 3313  16800  V.42bis/Zyx
         Sysop Email:  marc_doerre@doom.platinum.werries.de
```

1.65 RedEye BBS

```
                         REDEYE BBS
                * Running EXCELSIOR/UUCP/AFAX *
        "Official Amiga Report Distribution Site Germany/Europe"
                    Sysop: Thorsten Meyer
             Internet: sysop@redeye.greenie.muc.de
             Line 1: +49-89-5460535 (V.32b, Zyxel EG +)
             Line 2: +49-89-5460071 (USR Courier V32b terbo)
                     24hrs - 7 days
                     Munich, Germany

          Areas for Amiga, PCs, Lotus Notes Group,
          Amiga Report, Game Byte, Graphic Stuff,
          3D-Exchange, 3D-tools, 3D-objects,
          McAffee, GUS, PAS, DOOM, WINDOWS-NT, OS/2
          Online CD, Online Games, USENET, INTERNET,
          FIDO ECHOS, Developer
```

1.66 Virtual Palace BBS

```
                     * Virtual Palace BBS *

         * Official Amiga Report Distribution Site *

                       916-343-7420

                   300-14400 Baud  V.42bis
                 AmiExpress 2.40 700 Mbytes

                     P.O. Box 5518
                 Chico, California 95927

             Tibor G. Balogh (Tibor), Sysop
           Sysop Email: tibor@ecst.csuchico.edu

            Leland Whitlock (Leland), Co-Sysop
```

1.67   Where to find Amiga Report

```
         %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%                      Where to find Amiga Report                       %%
         %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

  Click on the button of the BBS nearest you for information on that system.

                          FidoNet Systems
                          ---------------

  FREQ the filename "AR.LHA" for the most current issue of Amiga Report!


            OMAHA AMIGANET
            ...............................Omaha, Nebraska

                 NOVA
            ...........................Cleveland, Tennessee

            PIONEER'S BBS
            ...........................Edmonds, Washington

             BIOSMATICA
            ......................................Portugal

          AMIGA JUNCTION 9
            ...............................United Kingdom

            BITSTREAM BBS
            ...........................Nelson, New Zealand

          REALM OF TWILIGHT
            ...............................Ontario, Canada

            METNET TRIANGLE
```

```
                  ......................Kingston Upon Hull, England

        AMIGA-NIGHT-SYSTEM
      .................................Helsinki, Finland

    RAMSES THE AMIGA FLYING
    ...........................................France

          GATEWAY BBS
      ..............................Biloxi, Mississippi

          TALK CITY
      ...............................Waukegan, Illinois

          AMIGA BBS
      .......................Estado de Mexico, Mexico

      THE STYGIAN ABYSS
      .................................Chicago, Illinois

        AMIGA DO PC BSS
      ...............................Campinas, Brazil

        COMM-LINK BBS
      ......................Port Coquitlam, BC, Canada

        PHANTOM'S  LAIR
      ......................Glendale Heights, Illinois

        Tierra-Miga BBS
      .......................................SanDeigo, Ca

    MOONLIGHT SONATA DLG
      .........................................Finland

      CONTINENTAL DRIFT
      ...............................Sydney, Australia

  Amiga Online Bs Heemstede
      ..................................The Netherlands
              Non-FidoNet Systems
              -------------------


        IN THE  MEANTIME
      ..............................Yakima, Washington

      FREELAND MAINFRAME
      .............................Olympia, Washington

            LAHO
      ............................Seinajoki, Finland

          FALLING
      ..........................................Norway

        COMMAND LINE
```

```
                          ...............................Toronto, Canada

          LEGUANS BYTE CHANNEL
          ........................................Germany

           STINGRAY DATABASE
          .........................Muelheim/Ruhr, Germany

          T.B.P.  VIDEO SLATE
          ...........................Rockaway, New Jersey

            AMIGA CENTRAL
          ..........................Nashville, Tennessee

            GURU MEDITATION
          ..........................................Spain

          LINKSystem LINK-CH1
          ...........................Basel, Switzerland

            DOOM OF DARKNESS
          ...............................Bremen, Germany

              REDEYE BBS
          ...............................Munich, Germany

           Virtual Palace BBS
          ......................................Chico, Ca
```