ar211

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Contents

Chapter 1

ar211

1.1 Amiga Report Online Magazine #2.11 -- March 25, 1994

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              International Online Magazine

         "Your Weekly Source for Amiga Information."

          Copyright  1994 Skynet Publications
                All Rights Reserved

                        //
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%//%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%% March 25, 1994               \//                  Issue No.  2.11 %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

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. 2.11           March 25, 1994 |   \//    %%
%%%%%%%%%%%%| "Your Weekly Source for Amiga Information" |%%%%%%%%%%%%
        |_____|
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   The Editor's Desk       Amiga News                  Dealer Directory
   Distribution BBS's      Product Announcements        Emulation Rambler
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                    SPECIAL FEATURES

  Commodore? Brrrr! ......................................Michel Vissers
  Power PC ......................................................RobMan
  The AA+ Chipset .......................................Darren Stevens
  Amiga Picture Viewers ...............................Osma Ahvenlampi
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%
                 DELPHI

                 PORTAL

                 FIDO

                 INTERNET
                      %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
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1.3 The Editor's Desk

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

It's spring!! Well maybe someone should tell the weather that, eh?

It looks like there's some changes going on. Six employees from NewTek
have left and have started a venture of their own. Look for some info
about that in Amiga News. I'm interested in seeing what that brings.
Even Kiki went with them.

Everyone's getting anxious to see the AAA computers. Talk about the AAA
is coming from every corner of the Amiga community. All I can say is that
I hope that we'll be able to see it. But like with everything, it will
be totally dependant on CBM's marketing ...or as CBM employees say,
"Commodore has marketing?"

I haven't seen any advertisements for the CD32 in the U.S. Has anyone
else out there?

Last week I had an article called "Amiga Blues". Due to problems we
were not able to give him proper credit...well, he contacted me (thanks!)
and Brad Hansen (100024.3556@CompuServe.COM) is the author.

Thanks to all of you who have been submitting articles or tid-bits of
news.

Speaking of which, I hear that CBM's 1-800 line has been disconnected.
Anyone hear why?

OK, it's time for me to grab the fishing pole, and for you to enjoy
Amiga Report.

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 AR Staff

%%
%%   The Amiga Report Staff   %%
%%

                                 Editor
                                 ======

                              Robert Niles

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

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                          European Editor
                          ===============


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

1.6 Amiga Report Mailing List

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

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

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Aminet
~~~~~~
To get Amiga Report from Aminet, simply FTP to any Aminet site, CD
to text/mags. All the back issues are located there as well.

1.7 Amiga News

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%% Amiga News                                                              %%
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New SupraFAXModem(tm) 288 Offers V.Fast Speeds for Under $400
~~~~~~

ALBANY, OR, FEBRUARY 1994 - The SupraFAXModem 288 raises the
standard on performance with data speeds of 28,800 bps while
maintaining Supra's commitment to value-oriented pricing.
Scheduled to ship in March, the external model will carry a
selling price of $399 while the internal SupraFAXModem(tm) 288i
will debut at just $349.

"These products represent a huge leap forward in technology,"
said Kenny Richards, Manager for PC products at Supra. "Not only
can users benefit from speed that's twice as fast as the current
V.32bis standard, they also get the benefits of an outstanding
feature set at an unbelievable price."

Based on the Rockwell(tm) V.FC (V.Fast Class) chipset, Supra's
new modems utilize the core technology that is expected to be
defined by the ITU-TSS in the V.34 (V.Fast) standard later this
year. When the V.34 standard is finalized, it will be
incorporated into the full line of SupraFAXModem 288 products.
In the interim, V.FC appears to be the clear leader as a standard
for 28,800 bps data communication. Wide-spread acceptance of the
V.FC standard will ensure compatibility with modems from more
than 60 other vendors, including Hayes, Microcom, and US
Robotics.

By contrast, the V.32terbo standard, which is accepted by a
smaller number of modem manufacturers, can go no faster than
19,200 bps. And despite the fact that these modems are half as
fast as Supra's 288 products, they do not offer a competitive
price advantage.

True Top-Of-The-Line Technology

Both Supra's internal and external modems offer technology that
goes beyond the basics of V.FC technology. By utilizing flash
ROM, both of these V.Fast Class products add a new level of
flexibility to modem communications. Future enhancements can be
made without any hardware adjustments - just download the new
code information into the ROM.

Plus, the SupraFAXModem 288i utilizes SupraSmart(tm) UART

technology buffering to reduce the risk of data loss during high
speed transmission. This includes 16550 UART emulation which,
combined with V.42bis compression, enables data speeds of up to
115,200 bps. The product also includes a Windows driver with
RHSI (Rockwell High-Speed Interface) which increases the
throughput capabilities.

The SupraFAXModem 288 external, packs this performance into
Supra's highly-praised tiny desktop modem with a revolutionary
alphanumeric status display which makes it a breeze ti track all
modem activity, It also includes a hardware handshaking cable
that enables up to 115,200 bps communication on computers
equipped with a 16550 UART.

Both modems also include custom Supra features such as Silent
Answer(tm) which allows both voice and fax communication on a
single phone line. If it detects fax "CNG" tones, the modem
routes the call to fax software. Otherwise, the modem sits
silently on the phone line while the call is answered by the user
or by an answering machine. Another feature, Caller ID, lets
users identify incoming calls before answering.

Full-Featured Functionality

Both modems support industry standard protocols including the
full range of Bell, MNP, and ITU-TSS (formerly CCITT) standards.
Among the supported features are MNP10 for improved performance
on cellular connections. Both modems support the highest-
available fax speed of 14,400 bps. They also support Class 1 and
2 fax commands and are compatible with Group 3 fax machines.

The modems also feature a five-year warranty, Hayes
compatibility, extended AT commands and result codes,
compatibility with most popular telecommunications software,
autoanswer/autodial, a modular phone jack, and non-volatile
memory that stores two user configurations and four phone
numbers.

Both the desktop faxmodem and internal card include all software,
cables and instructions the user needs for getting started with
high-speed data and fax communication. The bundle includes
FaxTalk(r) for Windows for flawless fax transmission, Compuserve
Information Manager(tm) for Windows, and COMit(tm) for DOS and
Windows - a data communication program designed specifically for
high-speed communication.

For Macintosh owners, Supra offers the SupraFAXModem 288 Mac
package for desktop users and the SupraFAXModem 288PB an internal
modem for PowerBook models 100-180c. Both packages include all
the software, cables and instructions the user needs for getting
started with high-speed data and fax communication. The bundle
includes MicroPhone(tm) LT, Compuserve Information Manager(tm),
and the CCL scripts required for Apple Remote Access(tm).
Packages also include FAXcilitate(tm), fax software that brings a
new level of flexibility and ease-of-use to Macintosh faxing.

About Supra Corporation

Supra Corporation, based in Albany, Oregon, has been providing
personal computer users with high-quality, low-cost peripherals
since 1985.

Since the original SupraModem(r) 2400 was introduced in 1987,
SupraModems have been popular among consumers for excellent value
in a reliable modem, and have been recommended by a variety of
sources, from respected PC MAgazine and MacUser columnist John C.
Dvorak to the Boston Computer Society.

Supra Corporation
7101 Supra Drive SW
Albany, OR 97321
Amiga Technical Support Line: 503-967-2493
Fax: 503-967-2401

[ED's Note : Alex Johnson, of Supra's Amiga Technical Services advises]
[that they should start shipping the SupraFAXModem 288 at the end of   ]
[this month or the beginning of the next month (April). He also stated]
[that there will probably be a sysop's purchase program with even   ]
[better prices. The sysop's purchase price should be set within the   ]
[next week or so.   ]

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NEWTEK, INC ANNOUNCES SCREAMERNET RENDERING SOFTWARE FOR
LIGHTWAVE 3D PROFESSIONALS

Las Vegas, March 20, 1994 - NewTek, Inc., the company that brought
professional video and animation production to the masses with the
Video Toaster introduces ScreamerNet for LightWave 3D users.

ScreamerNet is the evolution of the Screamer rendering hardware
announced last August. "As we pursued development of the Screamer
hardware it became evident that high speed processors were
quickly becoming commodity items," said NewTek President Tim
Jenison. "Rather than NewTek trying to keep up with the
hardware wars we decided to release software that will allow
LightWave users to select the rendering machine of their
choice."

ScreamerNet is a rendering software package that allows LightWave 3D
users to take advantage of the rendering power offered by
workstations from a variety of vendors. The software is Windows NT
compatible and will support hardware that utilizes Intel, MIPS, and
DEC Alpha processor chips. ScreamerNet's suggested retail price is
$1995 and will support up to eight machines.

LightWave 3D has become the animation package of choice for most
of the cutting edge action shows in Hollywood," stated Jenison.
"Television programs such as seaQuest DSV, Star Trek: The
Next Generation, Babylon 5 and RoboCop are using the Video

Toaster and LightWave 3D to push the envelope of visual effects.
With the introduction of ScreamerNet they will have access to
the rendering power they need to completely redefine the
standards for effects in television and film production."

"As the makers of revolutionary products like Video Toaster
and the new Video Toaster Flyer, NewTek means high technology
at an unbelievably low price point," said NewTek's Marketing
Director Donetta Colboch. "While ScreamerNet represents a
dramatic breakthrough in 3D rendering price/performance, it's
designed and priced for the professional animation facility."

NewTek will be showcasing the ScreamerNet software at the
National Association of Broadcasters Convention, March 21-24
in Booth #11050.

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

NEWTEK STUNS NAB WITH THE INTRODUCTION OF THE VIDEO TOASTER FLYER
TAPELESS EDITING SYSTEM

Las Vegas, March 20, 1994 - NewTek, Inc., the pioneers of the desktop
video industry, announce the Video Toaster Flyer, the first D2 quality
tapeless editing system. With the Flyer priced at $3995, NewTek once
again shatters the price/performance standards for broadcast
quality video production just as they did with the release of the
Video Toaster in 1990.

"When we originally conceived the idea for the Video Toaster it was
to provide all the tools necessary to create broadcast quality
television at a price almost anyone could afford." said Tim
Jenison, NewTek President. "With the introduction of the
Video Toaster Flyer we have made the tools even more accessible,
reducing the cost of production by an order of magnitude."

The Video Toaster Flyer is the result of more than seven years of
intense research and development. The Video Toaster Flyer
offers D2 quality video and CD quality audio editing in a tapeless, non-
linear environment. The Video Toaster Flyer tapeless editor
allows the user to dial in the video quality, up to lossless
D2 quality. All video data is stored on computer hard drives
that allow the user to access particular segments instantaneously
without having to shuttle from one point to another as in
traditional tape editing. The system employs an easy to use, drag and
drop storyboard interface.

The breakthrough technology in the Video Toaster Flyer is NewTek's
revolutionary new VTASC compression algorithm. VTASC sets a
new standard for hard disk based video compresson by combining
D2, broadcast quality video with unprecedented compression ratios.
NewTek is currently in discussion with a number of vendors looking
to license VTASC and Video Toaster Flyer technology.

The Video Toaster Flyer continues NewTek's tradition of providing
easy to use, broadcast quality video production tools, at
unbelivevably low prices.. The complete Video Toaster Flyer

system provides the ability to incorporate all of the tools from
the Video Toaster; digital video effects, paint graphics,
titles and animations directly into productions edited from one
simple interface. For Toaster LightWave 3D users, the tapeless
editor will allow the blending of moving video easily and
seamlessly into animated video prouctions.

NewTek will be demonstrating the Video Toaster Flyer at the
National Association of Broadcasters Convention, March 21-24
in Booth #11050.

[ED'S NOTE: AR would like to give thanks to Harv Laser of   ]
[Portal's Amiga Zone for the last two announcements.   ]

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

EX-NEWTEK EMPLOYEES ANNOUNCE "PLAY"

San Francisco, CA - Former NewTek senior staff members who left the Kansas
company earlier this year have ended industry speculation by unveiling their
new venture, 'PLAY'. "Launching the Video Toaster and with it the desktop
video industry over the last seven years was a fantastic adventure,"
commented PLAY President Paul Montgomery, "Along the way we discovered
some very compelling opportunities that went beyond one technology or
even one platform. PLAY was formed to take advantage of those
opportunities." The company, which consists primarily of Californians who
relocated to Kansas to build NewTek, is based in San Francisco.

"In the mid-eighties NewTek Vice-President and visionary Paul Montgomery
assembled a very unique team from around the world." said Tom Egan, senior
editor for Channel 4000, the leading desktop video news service. "With
their accomplishments in building this industry at NewTek, they're my
pick for the 'desktop video Dream Team'. I'm expecting a lot from this
group." PLAY features Emmy-award winning members of the Video Toaster
R & D team, including NewTek's former Head of Softwawre Development,
Steve Hartford, video hardware and software guru, Ken Turcotte, and
Toaster hardware design engineer, Brad Carvey. Other PLAY founders
include NewTek's former Director of Marketing, Mark Randall, plus
Product Development Manager and Hollywood technology pioneer, Daniel
Kaye. Rounding out the PLAY executive team is a face known to millions,
Kiki Stockhammer, the video industry's well-known celebrity spokesperson.

PLAY will announce it's first strategic relationship at a special event
on Sunday, March 20th at 7:00 P.M. in the Julius Room of Caesars Palace,
Las Vegas. "We feel the 'information superhighway' and desktop video are
desinted to collide sooner than anyone thinks" said Montgomery, "PLAY and
our new partner Private Channels are perfectly positioned to provide the
technology, content and distribution needed to realize the dream of
'video-on-demand'."

1.8 Commodore? Brrrrr!

%%%
%% Commodore? Brrr!   by Michel Vissers %%
%%   v932631@si.hhs.nl %%

%%%

**** Commodore ???? Brrrrrr !!!! ****

I'm a fanatic Amiga user for about 4 years now. To me there is no
other computer half as good as the Amiga. BUT there is something I
really don't like about it. Commodore ! Why ??? Read on and wheep B^(

In all magazines you can find articles about how good C= is, but every
time I read such an article I start to shiver. I have some really bad
memories of C= and Amiga. It all started when I bought my first one.

ACT 1:

After a lot of visits to a local computershop I finally decided to sell
my trusty C64 (The only thing C= really did right !) and buy an Amiga.
I got a great deal and took my A500 home. I got some software to start
from a friend (yes illegal, but it is nice to have some software to
start with) and started playing. Untill... I coded a lot on the C64
so I was determend to continue on the Amiga and got Seka. Very nice
except when the ESC key and some others don't work. Back to the shop.
Fortunately for me they knew that sending the computer to C= would take
ages to be fixed, so they gave me a new Amiga.

ACT 2:

After some coding (yes, not programming B^)) and stuff I decided to try
out music aswell. So offcourse Noisetracker (and later Protracker) was
the logical start. (Here it comes again) Untill... After some time my
screen started acting weird. It became smaller for a few seconds and
then returned to normal. At first I thought some virus got my Amiga
but as it kept coming back later, even after a viruschecker had wiped
out every bit of ugly routines on my disks, I knew it was a hardware
problem. So, still in my warrenty period, I went back to the shop and
got a replacement monitor. And I was happy again...

ACT 3:

BAFFF !!! Hey, where's my AsmOne screen ???? My Amiga lay there...
dead. My powersupply decided to quit on me. And offcourse I was
furious, because it happened just after my warrenty period ended. B^(
But I went to the shop (it was called The Shop, funny isn't it ?)
and asked them what to do. As my warrenty ended (1 month) I had to buy
a new supply and they recommended that I should buy one from them so I
could get their warrenty-service... But their supplies where a lot
more expensive than the usual but not better. Luckily there was a big
computerfair where I could buy a heavyduty supply for less than the one
I could buy in the shop. So that story has a good end, but what I
don't get is how a supply could possibly die with just an A500 with 0.5
chip, 0.5 fast and an external drive (Cumana, which is very good).

ACT 4:

Well, not much to say. Just read ACT 2 again. My monitor does the
strangest things when turned on. After a minute orso it startes its
showbizz again for a couple of minutes and then returns to normal. You

know, I'm still using the same monitor now, but as I haven't got the
money to buy a decent multisync I'll just have to bear it (for the rest
of my life ????).

ACT 5:

Finally some good things happen. Everything I bought worked ! A 2MB
memory kit for 1.0 chip and 1.5 fast, an IDE HD-controller, Digiview
and lots of software. And you know what ??? They all were things NOT
made by C=.

ACT 6:

Finally the moment has come. A1200 is available and for a great price
too (cheaper than the A500 !). So offcourse I buy one. I really love
it.   Especially from a coders view as demos are much more interresting
on an A1200.   I hook it up and started doing my stuff. But after a
while I started to miss my HD, so I decided to build it in my A1200.
Together with a friend of mine, we bothbuild in our 3.5 inch HD's in
our beloved A1200's and it worked perfect. Untill now I've never had
any problems concerning the HD or powershortness. Because the A1200 is
small and pretty light it's easy to take it along to friends and so I
do.   This however doesn't count for monitors but as it's possible to
connect an Amiga to composite aswell it's no problem...I though. My
composite signal was trashed ! Were's the sync ???? Bummer 1 !!! In
the summerholiday I went to Sweden to a member of our group. Well, he
still has a TV but the A1200 has a TV-mod so... Well, you can probably
guess it. It's busted too. B^(But as I had opened my A1200 my
warrenty is gone, foestie, pleite !!!

Fortunately their is no ACT 7 now, but as soon as I buy something new
which has the C= sign on it, ACT 7 will follow...[sigh] After something
happened I always called C= first. Who knows they might happen to know
something to fix my problems but they always tried to get rid of me. I
like to enter C= Holland in the competition for worst service ever !

Aaaahhhh, finally got that of my chest...

Michel/Oradion
v932631@si.hhs.nl

1.9 Power PC

%%
%% Power PC - Should we be jealous?   by RobMan %%
%%   %%
%%

Well, on March 14th we got our hands on the Apple PowerMac 8100, the top
of the new range of Apple PowerPCs, with 16Meg of Ram, 500 meg hard disk,
CD player and the SoftWindows software that "runs PC apps at the speed of
a 486/25". I was eager to play, to say the least. It looks good (a Quadra
800 style case with a caddyless CD drive) and cost us a rather vast 4000
UK pounds (this is NOT the retail price - we're developers) and definitely
runs the kind of Mac software we need it to run.

Now, I'm an Amiga-guy like you people, and I am eagerly awaiting something
new from C= so I can finally move into the big league in terms of power
(my '020 based A500+/CD32 are hardly muscle machines!!). So with all of
this new hardware cropping up, some of us may be tempted to defect to
these new PowerPCs, or Pentiums or whatever, rather than waiting for the
fabled A5000. This is why I wrote this - to say that right now, as of this
moment in time, I am NOT impressed enough with the PowerPC to say bye-bye
Amiga people.

In fact, I don't think I'll ever be impressed enough to leave the Ami.
Even my humble A500+ can handle animations better than this PowerPC! In
speed tests, there were several areas where even a Quadra 610 would give
this thing a run for its' money. Sure there's plenty of native PPC
software 'just around the corner' (yeah, right) but its performance as a
Mac is, well, like a Mac -slllooooowww.

The other, H-U-G-E, crunch comes when trying to run PC software. It
doesn't run 386 or 486 code. No siree, it's the worlds fastest 286!! Sure,
it runs windows quickly. Excel too. Doom? TFX? (the ONLY reason to even
go near a PC) I need only quote from the machine itself - "Needs 386 or
above to run". Aaaaaaaaagggggggggghhhhhhhhh. Dust off that old 386 and play
Doom nice and slow (or on a screen 2 inches by 2 inches :-). I have it on
good authority that (one day) it will run 386/486 code. I also have it on
good authority that one day all machines will run as beautifully as the
Amiga did in 1987!

Oh dear. Perhaps now is not the best time to purchase PowerPC, Amiga
people. Let's hope C= go for the PA Risc chip, or at least a PPC chip
running AmigaDos.

Keep it Amiga. At least WE know the truth. Tell your friends. Maybe oneday
I'll even get an Amiga into this company (I could always stick an Apple
sticker on it!!) - then the rest can experience power!!

1.10   The AA+ Chipset

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%% The AA+ Chipset                                     by Darren Stevens %%
%%                                        Daz@mail.on-line.co.uk %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

Hi there!

After all those predictions and rumors in AR recently
I thought I'd put my ideas into the pot...

Being from England I will be staying with low-end Amigas for
a long time to come. At current prices an A4000/030 would cost
me more than I take home each month (a lot more for a good one!)
So while I find discussions of what the AAA will be like
interesting, I'd like to know more about the AA+ as thats what
I will be getting next..

Well thats the problem isn't it? Theres LOTS of info about the

AAA floating about, and thats not realy surprising is it? Over
here in the UK at least, the Amiga (well the A1200) is doing well,
so I think we get forgotten about while C= trys to reassure US
Amigans. So info about the AA+ is very scarse at the moment.

I'm sure it hasn't been abandoned – Dave Haynie mentioned
both the high and low end groups share staff, so whats happening?

A long dig through my old magazines has given me enough info to
come up with some informed guesses. (Most of which will probably
be wrong!)

   Firstly what is the AA+?
   =========================

Lew has said that this is an improved version of the AA, with
improvements that couldn't be fitted into the AA. Basically as
I see it only the Video, sprites and palette have been improved
so far. AA+ will give a better blitter (Horay!), copper, proper
High density floppies, a FIFO buffered serial port, and 24 bit
graphics although I suspect only in normal PAL/NTSC modes.
Sound may be improved.

I expect the AA+ to have at least double the AA's bus bandwidth,
ie ~57Mb/s (thats the same as for the low-end AAA described in
AR201 Hmmmmmm....)

I would also expect an increase in chip ram, which leads to a
problem. The A1200's memory map is only 24 bits (16M) currently
this is 2 meg chip and 9 Meg Fast. Increasing chip ram to 4 or
8 Meg will not leave much space for fast ram.
 There are three solutions to this:-

 1) use a Full 020 with its full 32 bit addressing (and MMU)
 2) Get motorola to design a new EC020 with more address lines(!)
 3) use an EC030 16Mhz...

I know which I'd prefer!!!!

video modes:

   640 x 256/200 NI 24 bit 50/60 Hz (Pal/NTSC)
   640 x 512/400 NI 16 bit 50/60 Hz (DBLPal/DBLNTSC)
  1280 x 512/400 NI 256 Colours 50/60 Hz (DBLPal/DBLNTSC Super Hi-res)
   800 x 600 NI 256 colours 72 Hz (DBLSuper72??)
(with interlaced of course)

and possibly (depending on which info you believe!)

   1280 x 1024 NI 16 Colours 50 Hz

...Plus of course Productivity etc,

 AA+ is also going to cost less as it will only be 2 chips not 3.
I think it is possible that C= will Replace all current machines
this Autumn.
Why? – 2 reasons

– Cost: AA+ should be cheaper.
– AA was only a sort of stop-gap until AAA/AA+ were ready.

 I think I should explain what I mean by 'replace'.
Current A1200 upgraded to A1200+ with AA+ and OS3.1
CD32 also given AA+
A4000/040 Given AAA
for A4000/030 – could go either way! AAA/AA+ your guess is as
good as mine!

Cases will stay as with current models, meaning production can
carry on without having to re-tool all production lines, and
it may be possible for current users to upgrade motherboards
in their machines, saving them some cost.

One thing I hope Lew will fix is the bus rate of the AA+. From
the available evidence it seems the AA runs at the same speed
as the ECS. The graphical improvements are from fetching MORE
not more often. However the processor in the A1200 is now twice
as fast. Result:– each Custom chip set Odd cycle (remember Odd
cycle is DMA only) overlays 1 odd AND 1 even from the '020.
Hence the processor runs very slowly in chip ram. (I dont know
this for certain by the way, but it seems logical)

One other possibility, one that I think would make a *LOT* of
sense is for the functions of the two different low-end
gate-array chips to be incorporated into one chip. I mean the
1200's super Gary and the CD32's Akiko. Result of this is a
A1200 you can plug a CD drive into, or a CD32 which turns into
a computer – both very cheaply! But this is a sensible idea and
we all know that C= don't always act sensibly do they? (Are you
reading Lew? Dave??)

 What is the upshot of these ideas of mine?

If Lew hasn't forgotten to improve the sound under AA+ the
A1200+ will be a multimedia machine to be reconned with. And
at probably the same price as the current 1200 execlent value.

The new CD32 should give both Atari and 3DO sleepless nights...
the CD32 – the least powerfull of the 3 machines is Dominating
the CD market place over here. The AA+ will put it up there with
the others spec wise, and it will still be miles ahead with
software support.

Happy computing all!

Darren

Sources (for those of you interested)

Amiga Shopper 21 – Jan '93 news (pg 11)
AUI April 1993 – Orlando Devcon (pg 22 – 26)
AUI May/June 1993 – Lew Eggebrecht interview (pg 20 – 23)
AR201, AR206
and lots of other article/files I can't remember right now.

1.11 Emulation Rambler

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%% Emulation Rambler                                    By Jason Compton %%
%% Trying to keep on top of everything.            (jcompton@tcity.com) %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

In the wake of Apple's PowerPC announcement (wow, they're FINALLY
releasing them?) I just thought I'd remind everyone of a few things
pointed out about the entire PowerPC line, in a recent MacWorld
magazine...

"...you won't be able to install a PowerPC Mac's version of System 7
onto a non-Apple PowerPC computer."

And they say PowerPC is a cross-platform OS setup?

"...any 680x0 application that requires an FPU will not run on a Power-
PC; you'll have to get a PowerPC-specific software upgrade or
use a slow software FPU emulator."

"Other PowerPC-based computers won't run Mac software."

I'll take a fast bridgeboard, an Emplant, and a 4000 any day.

Now, off to the races...

A-Max IV setup...and you thought Emplant was fun.

My A-Max IV is up and running now. I took the ROMs out of a friend's
A-Max II (thanks Stacie!), plugged them in, and went to work. On booting
up the software, I got an Error 7 preventing the System from loading
itself up. "Great!" I'm thinking. Just when I get Emplant figured out,
A-Max is going to bring its own barrels of joy. So I went ahead and tried
playing with the various configurations, but got the same error. Fine,
fine, I'll re-install the system software. THAT worked, and now A-Max IV
and Emplant live happily together. Much to my surprise, neither company
programmed in a clause that melts the slot with the competitor's board.

Running A-Max IV

Someone made a comment on CSAE that A-Max IV has a more
"professional-looking" front-end than Emplant. I'm not sure I see more
"professionalism" shine through in the configuration screen. A-Max IV
brings up a Workbench window with 8 option categories, significantly
less than Emplant's 12. The A-Max control panel is, in general,
more powerful, but I'll get into it in depth next week.

First impressions...after all, they only get one chance.

So far, I like it. In terms of its "Mac-ness", the A-Max and Emplant are
to this point indistinguishable. It's the difference in setting up the
Mac that makes the difference. The most obvious thing is that 4 color
mode doesn't exist on A-Max, it's 2 or 16 for me and nothing inbetween.
That's not a colossal loss, but I could see where 4 color mode would be
missed. Other than that, neither board loses in the face of the other
right away.

Emplant Updates:

I've got a couple of VERY interesting programs sitting on my Mac
partition right now. One is a C-64 emulator, the other is (from what
I'm told) a very good image manipulation program. Unfortunately,
I'm having difficulty finding something that will appease the "This
file requires BinHex 4.0" requirement at the top of the files, so they're
sitting as large chunks of text at the moment. (I'm making a lot of
excuses, aren't I?) Maybe I'll talk about Emplant 4.1 a bit.

Emplant 4.1

Well, for one thing, Jim removed the screen fade from the emulation
main menu. That was rather nice, I never realized how much TIME it
took. The sound routines have been modified slightly, in case a Mac
program decides to bang on the Mac hardware in a very nasty
fashion. Serial WORKS, however I'm having a hard time getting my
modem to like the new handshaking, and no devices other than plain old
serial.device seem to work with the emulation. Any others come up with
an error from the emulation menu. Parallel support still works. My
Emplant serial ports still don't, but a lot of that blame goes to me for
not actively pursuing UU about it.

Full Emplant Mailing List?

Remember that Emplant new-software-release mailing list at
emplant-request@clinton.com? Talk is going on of making it a full-
blown mailing list (although the guy who organized the whole thing
hasn't commented yet) and interest seems to be running high of forming
a general-information Emplant mailing list, basically for the people who
are tired of the C.S.A.Emulation material. If anyone is interested in
forming one, let me know, and I'll put the word out here.

Another program that just doesn't work well...

For reasons I can't figure out, Despair, a PD game,
does not work with the Emplant. I've tried just about every situation I
can: nothing in the Amiga background, 2, 4, and 16 color modes, nothing
running in the Mac background...all for nothing. Despair, a Populous
spinoff in which people run around on a Donkey-Kongish world waiting

for you to kill them in interesting ways, bus errors as soon as I try to
kill someone, unless I wait and do nothing, in which case it bus errors
shortly anyway. The game is recent enough that I don't feel confident
that it is System 7.1 causing the problem, but it may well be, since a
Mac associate says that bus errors tend to mean System incompatibility.
The only Mac error messages I've ever seen on Emplant have been
bus errors, and I KNOW it's not all incompatibility. Word's old crash
problem often involved bus errors. This only makes two programs that
work below satisfactory levels.

Apple2000: Kevin Kralian's masterpiece

Ok, ok, so emulators don't look like masterpieces to everyone. To me,
however, Kevin Kralian's Apple2000 emulator is about as close to complete
as software emulators get. The Apple II+ emulation provides a
multitasking Apple II+ with 64k, all video modes, keyboard (good thing,
too), joystick, and sound support. The disk drive is emulated using DDD
compression files which the emulator automatically recognizes and
dissolves. Saves can be made in the form of memory snapshots or full
disk storage, although most of it is at yet unimplemented in my version.
Kralian included about 40 programs for the purposes of my emulation.

So how does it taste?

Pretty good. I hadn't played Karateka in a LONG time, and I have to
admit that it plays pretty authentically on my 030/25 Amiga while letting
the rest of the system run as well. I remember playing Apple Karateka
on an Apple many, many years ago, and this looked just the same. The
disk access is incredibly faster than a real drive would be (I would hope,
it's loading off the Amiga hard drive), and the screen updating is
concrete. I hadn't played Choplifter in an even LONGER time. It was there
in all its splendor, too. (Of course, I'm more inclined to the 64 version
of these programs, but that's a matter of history.) ProDOS and AppleDOS
3.3 are both supported. Multiple disk software works, because the
emulation allows you to "insert" a disk without booting off of it.
Karateka plays acceptably fast while Terminus downloads at 1620 cps. It
looks, for all the world, like an Apple II, the first real computer I ever
used. I don't know how he could come much closer to authenticity without
replacing the "A" keys with apples. (incidentally, he provides for
resetting the Apple from the keyboard, too) The joystick support either
lets you use a two-button joystick or allows the right alt key for the
second button. It's not the greatest solution, but it works. He even
includes a "calibration" method using the keyboard if the joystick behaves
strangely.

Ok, so what good is it? How am I supposed to get the Apple software
----
to the emulator, anyway?

Well, Kralian gives detailed instructions for obtaining an Apple II ROM
image, in the event you

A. Own an Apple II or set of Apple II ROMs you can use with the program.

B. Figure Apple has better things to do than track down illicit Apple II
ROMs

It involves the Apple's built-in monitor mode. Nothing too hard, he tells
you exactly what to do. This is the tricky part: you need a modem.
You've gotta somehow send those ROMs to the Amiga. From this
point, obtaining software works in one of two ways...

A. Obtain the memory image or DDD file from somewhere and put it
directly on the Amiga hard drive.

B. DDD compress it on the Apple side and send it over.

He's obviously done a lot of it, because I've got a nice sampling of games
and a few utilities (Music Maker is a riot) on my emulator. Works fine
for him.

WHY would I want to do such a thing?

If you're reading my column, you probably have SOME measure of interest
in emulation. That's the first, and most vital, step. Just to run the
thing, say:

"Wow, neat, an Apple II whose screen I can yank up and down", show it to
a friend who'd care and put it aside would be enough for some people. I,
personally, find it VERY neat and that's why I sit here week after week
rambling on and on about emulators. Historical value is a consideration, as
well as the mere act of saving space not needing an Apple II+ lying
around. If those things don't interest you, you probably won't be too
interested in ANY emulator.

Ok, I'm interested. Where do I get it?

Good question. Apple2000 hasn't been released anywhere yet. It may be
shareware, it may appear on magazine cover disks, it may go straight into
PD. It may do none of the above. Kralian hasn't decided yet. He has
nailed out AGA support and is now working on better DDD and AppleDOS
support, as well as solving a bug I've located that nobody else can
duplicate. As always with these things, I'll let you know when I find
out.

That's it for this week. Until next time (one or two weeks), just
remember: "multiplatform" is more than having a fast processor. Keep the
emulators warm.

1.12   UseNet Review - Amiga picture viewers

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%% UseNet Review - SURVEY: Amiga picture viewers    by Osma Ahvenlampi %%
%%                                        oahvenla@vinkku.hut.fi %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

SURVEY: Amiga picture viewers, version 2

PRODUCT NAMES, AUTHOR INFORMATION, AVAILABILITY

```
  AIVE 1.0     by Laurent Vivier
  ALook 3.1    by Trevor Andrews
  Bview 1.06     by Joeri Alberty
  FastJPEG 1.10   by Christoph Feck
  FastView 2.01    by "KRUEMELMONSTER2000"
  GIF.datatype 39.3 by "Steve the G"
  GIF_view 4.4     by Lorenzo Musto
  HAMGIF 2.5     by Steven Bennett
  ILBM.datatype 40.2  by Commodore-Amiga, Inc.
  JPEG.datatype 39.1  by Steve Goddard
  Mostra 2.0     by Sebastiano Vigna
  MUGiff 1.4     by Mark Rose
  PPShow 4.0     by Nico Francois
  ShowGIF 1.01    by Christophe Passuello *
  ViewJpeg 1.0     beta by <unknown>
  Viewtek 1.05     by Thomas Krehbiel
  VirtGIF 1.0   by Patrick Maloney
  VJPEG 0.01     by David Blevins
  ZGif 0.4    by Michael Zucchi
  ZGIF.datatype 39.7  by Michael Zucchi
```

  * ShowGIF is the CLI counterpart of FastGIF, a better known, GUI
driven GIF viewer. ShowGIF is is distributed with FastGIF.

  All of the software in this review, with the exception of
ILBM.datatype (a part of the AmigaDOS from version 3.0 upwards) is
available on Aminet, the world wide network of ftp sites for Amiga
software. For further information on Aminet, ftp to ftp.wustl.edu,
directory /pub/aminet, and read the README file available there.

BRIEF DESCRIPTION

  After getting a considerable amount of response from the quick and
dirty picture viewer test I made a while ago, I decided a more thorough
test would be in order. For this, a friend of mine was nice enough to
loan me an A1200 so that I could include AGA specific software also.
Thanks, Pekka!

  [MODERATOR'S NOTE: The original test was posted in c.s.a.reviews
  on 23 February 1994, and is found in our ftp archives in the
  file software/graphics/PictureViewerSurvey. - Dan]

  Only public domain, shareware, freeware and similar software is
included, simply because I do not have access to enough commercial

software, nor the time to learn to use it well enough to get a fair view
of the capabilities. I felt that to avoid biasing, it would be better to
restrict the test to freely available software.

SPECIAL HARDWARE AND SOFTWARE REQUIREMENTS

   For more detailed information about the specific requirements of
anyof the programs, see their documentation.

   HARDWARE

      Some of the programs require the AGA chipset found on
               Amiga models A1200, A4000 and later. A few of the
               programs require a 68020 CPU or better.

   SOFTWARE

      Some of the programs require AmigaDOS version 2.0 orlater,
      or, most notably in the case of the Datatypes, even
               AmigaDOS version 3.0 or later.

MACHINE USED FOR TESTING

   Amiga A1200
   Microbotics 1230XA, 50MHz 68030 board
   2MB Chip RAM, 4MB Fast RAM
   130MB hard drive
   Kickstart version 39.106, Workbench version 40.23

BACKGROUND

   The hardest part was deciding what to test. For reasons described
above, I left all commercial software out of the test. None would have
actually fit into the description of a "picture viewer" anyway, being
complicated and feature-laden image conversion and manipulation software.

   Next, I decided, partly for the same reasons, to leave out all
programs specifically made for image conversion and manipulation. So you
won't find ADPro, ImageFX, ImageMaster, HamLabPlus, NETPBM, or any other
similar programs here. Sorry.

   What was left after this was the relatively simple programs meant
for displaying pictures in various formats. Note that most, if not all,
of these programs sacrifice quality for speed, unlike the dedicated
converter programs.

   This time, AGA modes were used where applicable, and if the
program supported them. No extra ECS-specific tests were made. If a
program had two versions, an AGA specific and an ECS specific, the AGA
specific one was used.

   Most programs in the review have a command line interface only,
with perhaps the capability to read the options from icon tooltypes also.
All tests were made using the command line interface, except in the case

of ViewJpeg, which had a GUI interface only (and a horrible file requester,
something that was quite common in the AmigaDOS 1.3 days).

   Originally, I intended to test AIVE 1.0 also. During the testing,
it produced lots of alerts and even crashes, and thus I had to leave it
out. From what I did find out, it was exceptionally slow and supported a
subset of IFF ILBM only, so I don't think dropping it from the review
changed the results too much.

TABLE OF FEATURES

Program	IFF	IFF24	PCHG	GIF	JPEG	Mode	DT	Multi	Slide	FReq	AGA
ALook	O	–	O	–	–	–	–	O	O	O	–
Bview	O	–	–	–	–	–	–	–	–	O	O
FastJPEG	–	–	–	–	O	O	–	O	O	O	⋆
FastView	O	–	–	–	–	–	–	O	–	O	–
GIF.dt	–	–	–	O	–	NA	NA	NA	NA	NA	O
GIF_view	–	–	–	O	–	–	–	–	–	–	–
HAMGIF	–	–	–	O	–	–	–	O	O	–	–
ILBM.dt	O	–	–	–	–	NA	NA	NA	NA	NA	O
JPEG.dt	–	–	–	–	O	NA	NA	NA	NA	NA	X
Mostra	O	–	O	–	–	O	–	O	O	O	O
MUGiff	O	–	–	–	–	–	–	O	–	O	–
PPShow	O	O	O	O	O	O	O	O	O	O	O
ShowGIF	–	–	–	O	–	–	–	O	O	–	O
ViewJpeg	–	–	–	–	O	–	–	–	–	O	–
Viewtek	O	O	O	O	O	O	O	O	O	O	O
VirtGIF	–	–	–	O	–	–	–	–	–	–	–
VJPEG	–	–	–	–	O	–	–	–	–	–	–
ZGif	–	–	–	O	–	–	–	O	–	–	⋆
ZGIF.dt	–	–	–	O	–	NA	NA	NA	NA	NA	X

   Key:
     O The program has this feature.
     – The program does NOT have this feature.
     ⋆ A separate version of the program has this feature.
     X AGA is required to run this program.
     NA Not applicable. In particular, datatypes do not
        have a user interface of their own, but require a
        viewer that supports datatypes (such as MultiView)
        as a front-end.

   Explanation of the columns:

  – IFF, IFF24, GIF and JPEG are picture formats. PCHG is an
    extension of the IFF ILBM format with a multipalette chunk
          mostly usable for HAM pictures.
  – DT means the program can use Datatypes to display pictures.
  – Mode means support for manual screenmode selection from the
    Display Database.
  – Multi means capability of showing multiple files on one
    invocation.
  – Slide means basic slideshow support, such as looping through
    the pictures, showing a picture for a specified time, and
    hidden decompression while showing another picture.

- FReq means the pictures can be selected from a file requester.
- AGA means the program supports AGA modes.

PICTURES USED IN TESTING

   Two pictures were used in the testing. For a color picture, I
decided to use a 597x796x24 scan of a Boris Vallejo painting, available
on ftp.funet.fi as /pub/pics/art/BorisVallejo/bv9.jpg. This picture was
downscaled and converted with the NETPBM image conversion package to all
the formats used in the test, with the exception of the HAM6 version,
which was converted with HamLabPlus as a PCHG HAM (using 12 color
registers in the slicing). For black and white, I used a 600x787x1 clip
art collage GIF which I also converted to IFF.

   Pic# Description
   1   597x796x24 color JPEG
   2   597x796x8 grayscale JPEG
   3   298x796x6 lores/laced sliced (12) PCHG HAM6
   4   597x796x8 hires/laced HAM8
   5   299x398x4 16 color IFF
   6   299x398x8 256 color IFF
   7   600x768x1 B/W IFF
   8   299x398x4 16 color GIF
   9   299x398x8 256 color GIF
   10   600x768x1 B/W GIF
   11   299x398x24 IFF24

SPEED OF THE PROGRAMS

   The timing of the programs was done using the Spy System 3 system
performance monitor package, and the CPUTime command. This program runs
the program given to it as a command line argument, and after the program
has finished, reports the real time and CPU time taken by the program. In
the following table I have listed the real time. While on first thought,
CPU time might have been more truthful, it would have not included the
time used to access the disk. Some of the programs use asynchronous file
I/O, decompressing at the same time as reading from the disk, while others
first read a bit, then decompress, read a bit more, etc. Given the same
decompression routine, a program using asynchronous I/O can be
significantly faster, although the CPU time taken would be the same. This
is why real time is listed. See the end of this article for the
listing of both real and CPU time.

   The times are in seconds, and include all initializations and
cleaning up the program made before and after displaying the picture. If
the program wasn't capable of exiting immediately after displaying the
picture, the number includes the time it took me to press the mouse button,
ESCAPE, ENTER, or whatever the program required to exit. Datatypes were
timed using Viewtek with the DT option.

   It should be kept in mind that the times below are the results of
one iteration only. That is, I tested the programs once. There might be
random errors that repeated testing could have eliminated. This is
especially true with the viewers that could not exit automatically, where my
own reaction time might account for most of the time. The CPU time could be

nearer to the truth in these cases.

Program	1	2	3	4	5	6	7	8	9	10	11
ALook	–	–	3.2	–	1.8	–	1.6	–	–	–	–
Bview	–	–	–	7.4	2.7	–	2.6	–	–	–	–
FastJPEG	14.3	6.9	–	–	–	–	–	–	–	–	–
FastView	–	–	–	–	7.9	–	3.6	–	–	–	–
GIF.dt	–	–	–	–	–	–	–	3.1	4.7	4.5	–
GIF_view	–	–	–	–	–	–	–	14.3	17.9	19.1	–
HAMGIF	–	–	–	–	–	–	–	7.4	6.9	4.7	–
ILBM.dt	–	–	–	6.1	1.9	2.7	1.9	–	–	–	–
Mostra	–	–	2.7	5.8	1.4	2.2	1.2	–	–	–	–
MUGiff	–	–	–	–	5.0	–	2.4	–	–	–	–
PPShow	18.9	9.5	2.9	5.3	1.6	2.3	1.8	2.4	3.3	3.3	4.6
ShowGIF	–	–	–	–	–	–	–	5.9	4.1	3.3	–
ViewJpeg	57.9	24.1	–	–	–	–	–	–	–	–	–
Viewtek	40.4	10.6	3.6	7.6	1.9	3.0	1.9	3.3	4.6	5.6	19.8
VirtGIF	–	–	–	–	–	–	–	21.6	25.1	63.6	–
VJPEG	123.6	*	–	–	–	–	–	–	–	–	–
ZGIF	–	–	–	–	–	–	–	4.7	2.3	X	–
ZGIF.dt	–	–	–	–	–	–	–	2.2	2.7	2.6	–

* VJPEG crashed on a grayscale JPEG.
X For some unknown reason, ZGif showed only a blank screen
             on the large black and white GIF.

   JPEG.datatype crashed for some unknown reason on every try. Others
have reported it working, but I was not able to get it work.

NOTES ON QUALITY

   My experience has been that on an ECS Amiga, FastJPEG produces by
far the best result from a JPEG picture. In HAM8 mode on an AGA machine,
the dithering is not that critical, and thus the difference in quality
between FastJPEG and other JPEG viewers is less. FastJPEG also has a
"dirty" option, which turns off dithering and speed up the displaying
considerably. With this option, the resulting picture is very close to
Viewtek quality.

   PPShow has a problem when rendering 24-bit to HAM. While this is
only a marginal problem on HAM8, it shows up extremely clearly on ECS
machines and HAM6 mode. The result is hard to describe, but diagonal and
vertical lines of high contrast are messy.

   Some of the viewers convert 256 color GIFs to HAM6. This is a
two-sided matter. While this is the only practical way of displaying the
pictures in color on ECS machines, HAM6 resolution is not that good.

MISCELLANEOUS NOTES

   I've collected here some notes that I felt might be of some use to
the readers.

   Viewtek can show 256 color IFFs even on ECS Amigas. It will

render them in HAM6 mode, and the result is identical to a 256 color GIF.
In addition, it shows HAM8 pictures on ECS machines, but seems to simply
strip two bitplanes out, and not do any rendering to HAM6. The result is
quite weird looking.

   Gif_view, HAMGIF, VirtGIF and Viewtek show 256 color GIFs in HAM6 on
ECS machines. Other GIF-capable viewers show them in 16 grayscales.

   Viewtek and PPShow can also play ANIMs.

MICRO REVIEW

   In my opinion, the overall quality of a display viewer can be
judged from three roughly equal parts: flexibility, speed, and display
quality. What follows is a quick assessment of the viewers in this test
in the comp.sys.amiga.reviews micro-review format.

   ALook | Trevor Andrews | *+
   Bview | Joeri Alberty | *+
   FastJPEG | Christoph Feck | ****
   FastView | "KRUEMELMONSTER 2000" | *
   GIF.datatype | "Steve the G" | **+
   GIF_view | Lorenzo Musto | *
   HAMGIF | Steven Bennett | *+
   ILBM.datatype | Commodore-Amiga, Inc. | ***
   Mostra | Sebastiano Vigna | ***
   MUGiff | Mark Rose | *
   PPShow | Nico Francois | ****+
   ShowGIF | Christophe Passuello | **+
   ViewJpeg | <unknown> | *
   Viewtek | Thomas Krehbiel | ***+
   VirtGIF | Patrick Maloney | *
   VJPEG | David Blevins | *
   ZGif | Michael Zucchi | **+
   ZGIF.datatype | Michael Zucchi | ****

CONCLUSIONS

   PPShow was great all around. You will probably want a fast viewer
that can display a lot of things with good to reasonable quality, and
PPShow fits the description. The JPEG and IFF24 display quality leave room
for improvement, but both are fast. In case you're willing to use several
viewers, I would recommend using FastJPEG for JPEGs. It is a bit faster
than PPShow, and a lot better quality. If you happen to be a speed freak,
or use a slow machine, you might want to consider using the ZGIF.datatype
with PPShow for GIF pictures.

   Viewtek used to be the best all-around viewer available, and it
still is quite nice. It has a lot of options, but suffers from number of
bugs and chronic slowness. Personally, I'm surprised it is thought to be a
fast viewer.

SPECIAL NEWSFLASH FOR AMIGADOS 3.x USERS

At the last moment, I decided to try Tron's PCX datatype (TPD.lha on
Aminet) on a 256-color conversion of the JPEG used in the above tests. It
is significantly faster than the other PCX Datatype (PCX.lha on Aminet)
I've seen. The times to display the picture were 8.6 seconds (TPD) and
12.4 seconds (PCX).

LOG OF THE TESTS

  The results of each test are given, with the picture number
(see the PICTURES USED IN TESTING section, above) preceding each result.

```
  ALook
  3: Real 00:00:03.202, PCPU 00:00:01.163, TCPU 00:00:01.163
  5: Real 00:00:01.755, PCPU 00:00:00.824, TCPU 00:00:00.824
  7: Real 00:00:01.594, PCPU 00:00:00.733, TCPU 00:00:00.733

  Bview
  4: Real 00:00:07.367, PCPU 00:00:02.377, TCPU 00:00:02.377
  5: Real 00:00:02.735, PCPU 00:00:00.784, TCPU 00:00:00.784
  7: Real 00:00:02.623, PCPU 00:00:00.722, TCPU 00:00:00.722

  FastView
  5: Real 00:00:07.910, PCPU 00:00:05.321, TCPU 00:00:05.321
  7: Real 00:00:03.561, PCPU 00:00:02.449, TCPU 00:00:02.449

  FastJPEG
  1: Real 00:00:14.273, PCPU 00:00:12.610, TCPU 00:00:12.610
  2: Real 00:00:06.888, PCPU 00:00:05.765, TCPU 00:00:05.765

  Gif_view
  8: Real 00:00:14.342, PCPU 00:00:03.799, TCPU 00:00:03.799
  9: Real 00:00:17.904, PCPU 00:00:07.829, TCPU 00:00:07.829
  10: Real 00:00:19.124, PCPU 00:00:10.081, TCPU 00:00:10.081

  HAMGIF
  8: Real 00:00:07.408, PCPU 00:00:06.327, TCPU 00:00:06.327
  9: Real 00:00:06.868, PCPU 00:00:05.783, TCPU 00:00:05.783
  10: Real 00:00:04.742, PCPU 00:00:03.918, TCPU 00:00:03.918

  Mostra
  3: Real 00:00:02.672, PCPU 00:00:00.738, TCPU 00:00:00.738
  4: Real 00:00:05.813, PCPU 00:00:01.317, TCPU 00:00:01.317
  5: Real 00:00:01.424, PCPU 00:00:00.378, TCPU 00:00:00.378
  6: Real 00:00:02.238, PCPU 00:00:00.565, TCPU 00:00:00.565
  7: Real 00:00:01.163, PCPU 00:00:00.294, TCPU 00:00:00.294

  MUGiff
  5: Real 00:00:05.040, PCPU 00:00:00.466, TCPU 00:00:00.466
  7: Real 00:00:02.426, PCPU 00:00:00.414, TCPU 00:00:00.414

  PPShow
  1: Real 00:00:18.753, PCPU 00:00:16.895, TCPU 00:00:16.895
  2: Real 00:00:09.490, PCPU 00:00:07.960, TCPU 00:00:07.960
  3: Real 00:00:02.906, PCPU 00:00:00.885, TCPU 00:00:00.885
  4: Real 00:00:05.348, PCPU 00:00:01.399, TCPU 00:00:01.399
  5: Real 00:00:01.600, PCPU 00:00:00.519, TCPU 00:00:00.519
```

```
6: Real 00:00:02.298, PCPU 00:00:00.719, TCPU 00:00:00.719
7: Real 00:00:01.803, PCPU 00:00:00.503, TCPU 00:00:00.503
8: Real 00:00:02.364, PCPU 00:00:01.091, TCPU 00:00:01.091
9: Real 00:00:03.251, PCPU 00:00:01.774, TCPU 00:00:01.774
10: Real 00:00:03.265, PCPU 00:00:01.985, TCPU 00:00:01.985
11: Real 00:00:04.451, PCPU 00:00:01.873, TCPU 00:00:01.873


ShowGIF
8: Real 00:00:05.875, PCPU 00:00:00.631, TCPU 00:00:00.631
9: Real 00:00:04.128, PCPU 00:00:00.730, TCPU 00:00:00.730
10: Real 00:00:03.250, PCPU 00:00:00.831, TCPU 00:00:00.831


VirtGIF
8: Real 00:00:21.579, PCPU 00:00:15.867, TCPU 00:00:15.867
9: Real 00:00:25.079, PCPU 00:00:18.480, TCPU 00:00:18.480
10: Real 00:01:03.563, PCPU 00:00:53.264, TCPU 00:00:53.264


VJPEG
1: Real 00:02:03.594, PCPU 00:01:47.554, TCPU 00:01:47.554
2: VJPEG crashed on a grayscale JPEG


Viewtek
1: Real 00:00:40.351, PCPU 00:00:37.964, TCPU 00:00:37.964
2: Real 00:00:10.576, PCPU 00:00:08.796, TCPU 00:00:08.796
3: Real 00:00:03.619, PCPU 00:00:01.126, TCPU 00:00:01.126
4: Real 00:00:07.555, PCPU 00:00:01.864, TCPU 00:00:01.864
5: Real 00:00:01.924, PCPU 00:00:00.564, TCPU 00:00:00.564
6: Real 00:00:02.957, PCPU 00:00:00.870, TCPU 00:00:00.870
7: Real 00:00:01.892, PCPU 00:00:00.554, TCPU 00:00:00.554
8: Real 00:00:03.300, PCPU 00:00:01.867, TCPU 00:00:01.867
9: Real 00:00:04.556, PCPU 00:00:02.858, TCPU 00:00:02.858
10: Real 00:00:05.630, PCPU 00:00:04.184, TCPU 00:00:04.184
11: Real 00:00:19.838, PCPU 00:00:15.922, TCPU 00:00:15.922


ZGif
8: Real 00:00:04.725, PCPU 00:00:00.620, TCPU 00:00:00.620
9: Real 00:00:02.326, PCPU 00:00:00.880, TCPU 00:00:00.880
10: for some reason, ZGif only showed a blank screen on this GIF


ViewJpeg
1: Real 00:00:57.889, PCPU 00:00:48.617, TCPU 00:00:48.617
2: Real 00:00:24.114, PCPU 00:00:16.502, TCPU 00:00:16.502


JPEG.datatype crashed the test machine.  The problem could not be
found.


GIF.datatype
8: Real 00:00:03.071, PCPU 00:00:01.867, TCPU 00:00:01.867
9: Real 00:00:04.690, PCPU 00:00:03.074, TCPU 00:00:03.074
10: Real 00:00:04.521, PCPU 00:00:03.185, TCPU 00:00:03.185


ZGIF.datatype
8: Real 00:00:02.157, PCPU 00:00:00.866, TCPU 00:00:00.866
9: Real 00:00:02.721, PCPU 00:00:01.295, TCPU 00:00:01.295
10: Real 00:00:02.591, PCPU 00:00:01.292, TCPU 00:00:01.292


ILBM.datatype
```

```
4: Real 00:00:06.051, PCPU 00:00:01.720, TCPU 00:00:02.211
5: Real 00:00:01.946, PCPU 00:00:00.563, TCPU 00:00:00.627
6: Real 00:00:02.657, PCPU 00:00:00.837, TCPU 00:00:00.963
7: Real 00:00:01.945, PCPU 00:00:00.552, TCPU 00:00:00.608

----
256 color 608x796 PCX picture:
PCX.datatype
Real 00:00:12.403, PCPU 00:00:08.577, TCPU 00:00:08.577

TPD.datatype
Real 00:00:08.603, PCPU 00:00:05.658, TCPU 00:00:05.658
```

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loss that might result from this article. In case of doubt, interpret any
information contained herein as lies and bad jokes.

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1.13 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.

1.14 Dealer Directory

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

                      Almathera Systems Ltd
                        Challenge House
                        618 Mitcham Rd
                        Croydon, Surrey
                       CR9 3AU England
                  VOICE: (UK) 081 683 6418
           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

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

1.15 BombPac CD32

TITLE

    BombPac CD32

VERSION

    2.0

AUTHOR

    Oliver Wagner

    Internet: o.wagner@aworld.aworld.de

DESCRIPTION

    BombPac is a game loosely based on the old PacMan
    characters, with some 'bombastic' value added. It features
    over 100 levels and a standalone level editor.

SPECIAL REQUIREMENTS

    BombPac for the CD32 requires an AGA Amiga (A1200, A4000, CD32)
    with at least OS 3.0. A game controller or joystick is
    recommended, but not required. Due to sprite usage, it

only runs on 15 khz PAL displays, promotion is not possible.

HOST NAME

Available on Aminet FTP sites. Try 'wuarchive.wustl.edu'.

DIRECTORY

/pub/aminet/games/misc

FILE NAMES

bombpac_cd32.lha

PRICE

Shareware, $10

DISTRIBUTABILITY

BombPac (C) 1993-1994 Oliver Wagner, All Rights Reserved.

This archive is freely distributable.

OTHER

Also on AmiNet is a patch archive which makes BombPac CD32
run without the CD32 specific "lowlevel.library".

1.16 ParPrefs v1.0

TITLE

ParPrefs

VERSION

1.0

AUTHOR

Benoit Mortier

Email: benoit.mortier@augfl.be

Phone/Fax: +32 2 672 32 68

DESCRIPTION

This software was written to overcome a problem encountered
by users of a multiparallel board (eg. a board that add more
than one parallel port to your amiga.)

It allows you to chose the device of your choice to wich the
amiga will send data in place of the original parallel port.

SPECIAL REQUIREMENTS

     AmigaDos Release 2.04 (V37+) or higher

HOST NAME

     ftp.luth.se [Aminet]

DIRECTORY

     pub/aminet/

FILE NAMES

     ParPrefs.lha

PRICE

     Shareware fee $10

DISTRIBUTABILITY

     Shareware, Copyright (c) 1994 Benoit Mortier

Greetings

    Benoit Mortier

... We learn from history that we do not learn anything from history.

1.17 FMsynth v3.5

TITLE

     FMsynth

VERSION

     Version 3.5

AUTHOR

     Christian Stiens (stiens@math.uni-muenster.de)

DESCRIPTION

     With 'FMsynth' you can generate sounds with one of the best not
     sample based synthesis method, the FM-synthesis. It has six
     operators, four waveforms per operator, a pitch EG, a freely
     editable algorithm and a realtime LFO. You can save the sounds
     in 8SVX or raw format. The sounds can be played on the Amiga
     keyboard or on a keyboard which is connected to the Amiga via
     MIDI. In this case, the sound responds to key velocity and pitch
     bend wheel. Included are 260 sounds. Also included is the program

‘FMconvert’ which converts DX7 voice banks to the FMsynth voice
format.

NEW FEATURES

- Some minor bug fixes
- Uses the preferences busy pointer
- Tooltype DISPLAY for choosing the display modus

SPECIAL REQUIREMENTS

HOST NAME

Aminet, e.g. wuarchive.wustl.edu or ftp.uni-kl.de

DIRECTORY

/pub/aminet/mus/misc

FILE NAME

fmsynth35.lha

PRICE

FMsynth is Shareware. The key file is available for $20 or
30 DM. Without the key file the Save functions are disabled.

DISTRIBUTABILITY

The archive is freely distributable in its original and un-
modified form.

FMsynth is (c) 1992-1994 by Christian Stiens.

1.18 PhoneBill v2.4

TITLE

Phonebill

VERSION

2.4

AUTHOR

Raymond Penners

Internet: raymondp@stack.urc.tue.nl
Fido: 2:283/410.15
AmigaNet: 39:157/101.15
NLA: 14:105/2.15

DESCRIPTION

   'Phonebill' is, simply said, a logfile analyser. What it basically
   does is scan the logfile(s) generated by a terminal program or a
   mailer, extract all information about calls you have made by using
   your modem, and store this in its own (short) format. Features:

   * Requires Kickstart 2.04 or higher.

   * Supports new 3.0 features (new look menus, ...).

   * Nice gadtools compliant GUI.

   * User-definable callrates, supporting rate exceptions for certain
     days and dates. Handles fees and time-units with up to 4 decimals
     (e.g. $1.2344 dollars per 30.5678 seconds) for extra accuracy.

   * Supports logfiles generated by:
         * AmigaUUCP Timelog
         * AutoPilot
         * JrComm
         * MagiCall
         * MicroDot
         * MultiFax professional
         * NComm
         * Terminus
         * TKR-BTX
         * TrapDoor
         * TrapFax
         * Term (Term action-log and Term call-log)

   * Automatical logfile truncating.

   * Generates miscellaneous reports: statistics, total costs, etc.

   * Context-sensitive online help.

NEW FEATURES

   * Added TKR-BTX support.

   * Added AutoPilot support.

   * Fixed a problem with the MicroDot logfile: A call ending with
     "NETCALL abgebrochen" was not recognized as a valid call, and
     therefore skipped.

   * Any trailing spaces entered at the end of the from/to-date strings
     are ignored now.

   * The 'LogScan' signature from the term logfile did not have the
     appropriate dateformat. Therefore, it could happen that the
     signature wasn't recognized during some months, which might have
     resulted in 'fake' (duplicate) new calls.

* Generating report now is approx twice as fast due to the use of
  asynchronous I/O.

* More commandline arguments are supported.

* Added a "Save"-button in the "Settings not saved" requester.

* Added 'dupe'-detection: duplicate calls are automatically removed.
  So now there is no harm done when a logfile is accidently scanned
  twice. I recommend that you re-save your binary logfile by
  pressing 'Save' in the maintenance panel, so that dupes from
  previous versionDOS are removed (if there were any).

SPECIAL REQUIREMENTS

    Workbench 2.04 or higher.

HOST NAME

    ftp.wustl.edu (128.252.135.4)

DIRECTORY

    /pub/aminet/comm/term

FILE NAME

    pbill24.lha (95049 bytes)

PRICE

    Shareware fee of $8 US.

DISTRIBUTABILITY

    The archive and its contents are freely distributable.
    See documentation for details.

    The package is (C) 1993-1994 Raymond Penners

1.19 BTNtape v3.0

TITLE

     BTNtape - AmigaDOS handler for SCSI tape drives

VERSION

    3.0, March 14, 1994

AUTHOR

    Bob Rethemeyer (drBob@cup.portal.com)

DESCRIPTION

    BTNtape is the "Better Than Nothing" AmigaDOS handler to access your SCSI
    tape drive from application programs. It can be used with Amiga TAR
    to do disk backup and restore and exchange data with Un*x boxes.
    This is version 3.0, an update to version 2.1. Includes C source code.

NEW FEATURES

    Some of the features added since version 2.1:

    File number tracking, could be used to make a tape directory.
    Optional safety modes: read-only and append-only.
    Limited error recovery allows continuing after media errors.
    Options to rewind and/or eject tape when the file closes.

BUG FIXES

    Fixed bad decoding of board# and LUN from 3-digit unit number.
    Write at end of file writes only the necessary number of blocks.
    Read at end of file returns all the data.
    More than 256 files per tape.
    Fixed incompatibility with Steve Koren's Job Manager (JM).
    See the changes.doc file for a complete list of fixes and enhancements.

SPECIAL REQUIREMENTS

    SCSI tape drive (sequential or direct-access).
    SCSI host adapter which provides SCSI-direct API.

HOST NAME

    Aminet - (wuarchive.wustl.edu) and it mirror sites.

DIRECTORY

    /pub/aminet/disk/bakup

FILE NAMES

    BTNtape30.lha
    BTNtape30.readme

PRICE

    BTNtape is FREEWARE.

DISTRIBUTABILITY

    The BTNtape v3.0 package is freely distributable provided the
    entire package is kept together and unmodified. The source
    code is copyrighted by Robert Rethemeyer. See the readme.first
    file for disclaimer and further details.

1.20   AmiFlick v2.01

TITLE
    AmiFlick

VERSION
    v2.01

AUTHOR
    Garrick Meeker
    email: gmeeker@soda.berkeley.edu

DESCRIPTION
    FLI files are animation files popular on IBM's. They are typically
    320x200 in 256 colors. FLC's are FLI's in higher resolutions. (640x480
    are the most common.) AmiFlick plays FLI and FLC animations on all
    Amigas. It fully supports AGA and can also write frames as IFF pictures
    or op5 or 7 ANIM files.

NEW FEATURES
    AmiFlick can now write ANIM files. Files can be written in grey scale or
    HAM, not just 256 color. Playback is significantly faster. A version
    for 68030 machines is now included.

SPECIAL REQUIREMENTS
    None. (Runs under all OS versions since 1.2.)

HOST NAME
    AmiNet (ftp.wustl.edu is one AmiNet site)

DIRECTORY
    /pub/aminet/gfx/show/

FILE NAMES
    AmiFlick_v2.01.lha   (Binary and doc)

PRICE
    Free!!!

DISTRIBUTABILITY
    Freely distributable

Garrick Meeker
gmeeker@soda.berkeley.edu

1.21   BinProlog v2.20

TITLE

    BinProlog

VERSION

    2.20

AUTHOR

    Dr. Paul Tarau, Dept. of Computer Science
       Universite de Moncton, Moncton N.B., Canada E1A-3E9
       E-MAIL: tarau@info.umoncton.ca

    Recompiled for Amiga: Doug Whitehead doug@cos.com

SHORT

    A fast, reliable, small Prolog compiler. It uses standard C&M syntax.

DESCRIPTION

    A standard implementation of Prolog, now ported to the Amiga.
    Prolog is a non-procedural language commonly used for Artificial
    Intelligence. Many Prolog programs look like inductive proofs.
    It is non-procedural in that one tends to specify what to look
    for, and Prolog will search and backtrack as necessary
    to try to accomplish it.

    Prolog is useful for parsers, knowledge representation, blind and
    heuristic search, theorem proving, and other app.s requiring search.
    And, of course, there are zealots that use it for everything.

    It is, to my knowledge, the fastest Prolog on the Amiga.
    For those in the know, it compiles to a sort of WAM-lite, and then
    emulates that language in compiled C.

    The distribution's manual does not teach Prolog. If you want that,
    buy a book, there are many.

    The WAM emulator has recently been compiled for the Amiga. You need
    two files, the standard BinProlog 2.20 release, and the appropriate
    Amiga binary.

    It should be able to run on any Amiga, regardless of CPU or memory
    available. However, you may not be able to execute interesting
    programs on systems with less than 1 Meg.

    ru.68020.amiga requires a 68020 + 68881, or 68030 or above.
    It clocks in at 34.9 klips (thousand logical inferences/second)
    on an Amiga 3000 25mhz (i.e. a 68030).

    ru.68000.amiga clocks in at 32.7 klips on an Amiga 3000.
    It has not been tested it on a 68000 Amiga, but it should be fine.

HOST NAME

    clement.info.umoncton.ca   (139.103.16.2)

ARCHIVES

    /pub/BinProlog/BinProlog.2.20.tar.Z
    /pub/BinProlog/BinProlog/UNCOMPRESSED/NewPorts.2.20/Amiga/ru.68020.amiga

```
     /pub/BinProlog/BinProlog/UNCOMPRESSED/NewPorts.2.20/Amiga/ru.68000.amiga
```

DISTRIBUTABILITY

    Copied from the distribution:

    Permission to use and modify this software is granted free of charges
    for research and other non-profit purposes, provided this copyright notice
    is added to the resulting version.

    Because the program is licensed free of charge, there is no warranty
    for the program, to the extent permitted by applicable law. Except
    when otherwise stated in writing the copyright holders and/or other parties
    provide the program "AS IS" without warranty of any kind, either expressed
    or implied, including, but not limited to, the implied warranties of
    merchantability and fitness for a particular purpose. The entire risk as
    to the quality and performance of the program is with you. Should the
    program prove defective, you assume the cost of all necessary servicing,
    repair or correction.

    Licensing for commercial purposes to individuals and organisations,
    licensing of the source code of the engine, ports to other architectures
    and extended versions of the programming environment are available,
    but need a separate agreement.

1.22 Virus Scanner v1.04

TITLE

     Virus Scanner

VERSION

    Currently 1.04, but it's in constant developmnet, about
    one update a month.

COMPANY

    The program is supported and distributed by:

    Safe Hex International
    Snaphanevej 10
    4720 Praestoe
    Denmark
    Phone +45-55992512

AUTHOR

    Gabriele Greco
    Internet: gabry@grifone.skylink.aare.net.ch
    Fidonet : 2:331/106.7@fidonet.org

DESCRIPTION

        Virus Scanner is a viruskiller commodity for OS 2.0+, it's a

modular program (it uses SHI bootblock.library, removelink.library
and unpack.library). This means that you can update the program
by simply updating the libraries. It's localized in different
languages (actually English, Italian, Danish and German, but soon
French) and it has some completely new features for amiga
antivirus. For instance you can build a list of files you want to
be checked at every disk access, and if one of these files is
modified you will be notified by a requester. The newest feature
of VS is the ability to compile an ASCII file that will contain
the data of new viruses which will read by VS before the scan of
HD or disks. New virus data will be spread via E-Mail. VS will
automatically recognise them and append to the list. It can also
check crunched files (more than 100 crunchers, lha and dms), and
has a complete arexx port to make easy to use it also in a BBS.

NEW FEATURES

This is an update of version 1.03 that will improve some functions
(Check files, Check vectors), has a corrected and more complete
documentation and some little bugs fixed.

SPECIAL REQUIREMENTS

Virus Scanner requires Kickstart 2.0+
If 2.1 or 3.0 is detected it can be localized and on
Kick 3.0 it will use some gadtools improvments.

FILE NAMES

vscan104.lha 132832 bytes

PRICE

Virus Scanner is "SafeWare": If VS will save your datas
from a virus infection send $10 to the author.

DISTRIBUTABILITY

Virus Scanner is freely distributable through FTP sites,
BBS, PD collections or coverdisks.

1.23 StatRam v3.0

TITLE

StatRam - recoverable ram disk

VERSION

3.0

AUTHORS

Nicola Salmoria <MC6489@mclink.it>
Richard Waspe   <waspy@cix.compulink.co.uk>

Originally based on VD0: by Perry S. Kivolowitz.

DESCRIPTION

StatRam is a recoverable ram drive. It works on any Amiga using
V2.04 or greater of the OS. It handles any filesystem (either
Amiga or foreign, like e.g. CrossDOS(tm)), has ten units and
may be layed out like a floppy disk for quick diskcopies. It is
dynamic, that is it allocates and frees memory as files are
copied and deleted, and is probably the most recoverable ram
drive available. Even the worst system crash will not erase it,
as long as the portion of memory where it resides is not
corrupted.

SPECIAL REQUIREMENTS

OS release 2.04 or newer

HOST NAME

Any Aminet site, for example

ftp.luth.se   130.240.18.2

DIRECTORY

/pub/aminet/disk/misc

FILE NAME

statram3.lha

PRICE

Free

DISTRIBUTABILITY

Freeware, freely distributable as long as the archive remains
intact and only a nominal fee is charged for its distribution.

1.24 PGPSendmail v2.0

TITLE

PGPSendmail

VERSION

2.0

AUTHOR

Peter Simons <simons@peti.GUN.de>

DESCRIPTION

    PGPSendmail is a small tool, to encrypt your outgoing e-mail
automatically, using PGP. Despite the name, PGPSendmail does *not*
handle any transport stuff, but requires the original sendmail.

    PGPSendmail scans through the outgoing mail and checks whether a
public key is available for the receipient(s). Multiple receipients
via 'To:' or 'Cc:' are supported. If a key is available, a requester
will pop up, asking you if you'd like to encrypt the mail. When you
choose the "encrypt" gadget, the message-body will be encrypted and
the result will be sent to sendmail to handle the routing and
transport.

    Since PGPSendmail is only a front-end, it can be used in any kind
of setup. It doesn't matter whether you use AmiTCP, UUCP or whatever
to deliver your mail, PGPSendmail can be customized for your
requirements.

    The encrypted message will look like this:

        Automatically encrypted message-body follows:

        -----BEGIN PGP MESSAGE-----
        Version: 2.3a

        owHrZAhlYmXUqV9ctnnP/pPtVcsSGRm3aDEx7G1+9enVmcr3Ff5GfN6fdKde2Zau
        X3kjdonMydeTi4zuvlDZH/sia1O/ZYKDsAGXt+K+0lVOyvx9h3Yc2hUkoFXGor4m
        uoSlJLW4hAEIPFIrFXIT83QUUvLz1EsUKvNLFTISy1IVivNzU0syMvPSFZJSS0pS
        ixRK8oFKdBRKMhLzQOzkosTkbLAqXq7k/JTUYnsFK11NTV4uAA==
        =y7/l
        -----END PGP MESSAGE-----

SPECIAL REQUIREMENTS

    You need PGP 2.2 or later.

HOST NAME

    Any Aminet host, i.e. ftp.uni-kl.de (131.246.9.95).

DIRECTORY

    /pub/aminet/util/crypt/

FILE NAMES

    PGPSendmail2_0.lha
    PGPSendmail2_0.readme

DISTRIBUTABILITY

    GNU General Public License
--
 Peter Simons, Certified Amiga Developer   *** PGP key available ***

```
           ACCEPTING: MIME enhanced mail, BMS requests and ListSERV commands
```

1.25 In Closing

```
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%                         _    _   /|  __ ___  _                         %%
%%                        /\   |\   /| || // \  /\                        %%
%%                       /  \  | \ /|| ||(< __ /  \                       %%
%%                      /--- \|  \/ || || \_||/--- \                      %%
%%                     /_____\                 %%
%%                    /                                  \                %%
%%             Amiga Report International Online Magazine         %%
%%                    March 25, 1994 ~ Issue No. 2.11            %%
%%                   Copyright  1994 SkyNet Publications         %%
%%                          All Rights Reserved                 %%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
```

1.26 Columns and Features

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

                 Amiga News
             News and Announcements
```

```
        Commodore? Brrr!
Problems with the Amiga

        Power PC
Should we be jealous?

    The AA+ Chipset
What is it?

  Emulation Rambler
Trying to keep on top of everything

     UseNet Review
Amiga Picture Viewers
```

1.27 About Amiga Report

```
     For Starters
Where to get AMIGA REPORT

  AR Staff
The Editors, and Contributers

  In Closing
Copyright Information
```

1.28 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
```

1.29 Files Available for FTP

```
     BombPac CD32
PacMan style game

    ParPrefs v1.0
Preference program FUW multiparallel boards

    FMsynth v3.5
```

```
                    FM synthesis

                      PhoneBill v2.4
                Equates phonebill w/ various programs

                       BTNtape v3.0
                AmigaDOS handler for SCSI tape drives

                      AmiFlick v2.01
                Plays FLI animation files

                      BinProlog v2.20
                Fast, reliable Prolog compiler

                Virus Scanner v1.04
                Virus killer commodity

                       StatRAM v3.0
                Recoverable RAM disk

                 PGPSendmail v2.0
                Tool to encrypt outgoing mail
```

~~~~~~
The most downloaded files from wustl.edu during the week until 21-Mar-94

```
File                 Dir        Size Description
------------------   ---        ---- -----------
ar209.lha            text/mags  104K+Amiga Report #2.09 - 3/11/94
octane.lha           game/shoot 686K+Overhead battle car game. 1meg or more.
rot2.lha             demo/euro  164K+A wonderful Doom-type Demo
newser221.lha        comm/misc   28K+new serial device 2.21
scorch177.lha        game/shoot 488K+Scorched Tanks 1.77 bug fixes; Artillery-t
MgWBDockIcons.lha    util/wb     38K+MagicWB dock icons (8 colours)
dbb118.lha           util/misc  141K+GUI Digital Logic Circuit Simulator (WB2.x
Filer3_11.lha        util/dir   218K+Directory Utility for OS 2.04+
DragonSongMPG.lha    gfx/anim    89K+MPG Lightwave Dragon anim 90 frames *AHD*
jtemwb1.lha          util/wb     89K+More nice MagicWb icons.
```

~~~~~~

1.30 NOVA

```
                        * NOVA BBS *
              Official Amiga Report Distribution Site
                    * Running Starnet BBS *
                    Wayne Stonecipher, Sysop
                       FidoNet  1:362/508
              An Amiga Software Distribution Site (ADS)
              615-472-9748  USR DS 16.8  24hrs - 7 days
                       Cleveland, Tennessee
```

1.31   In The MeanTime

```
              * IN THE MEANTIME BBS *
      Official Amiga Report Distribution Site
              * Running AXShell *
              Robert Niles, Sysop
              rniles@imtired.itm.com
     509-966-3828  Supra V.32bis  24hrs - 7 days
              Yakima, Washington
```

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

After 13 September 1993, In The MeanTime will no longer be on FidoNet, thus
we will no longer be accepting File REQuests (FREQs). We WILL be still
accepting calls and will have the latest edition of Amiga Report online.
Downloads to first time callers are still accepted.

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.

1.32   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.

1.33   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
```

1.34   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


                 Internet:  user_name@junct9.royle.org
```

1.35   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
```

1.36   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
```

1.37 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.
```

1.38 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
```

1.39 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
```

1.40 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.

1.41 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
```

1.42 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).

1.43 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
```

1.44 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!!
```

1.45 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.
```

1.46 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
```

1.47 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
```

1.48 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.
```

1.49 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
```

1.50 LAHO

```
                                * LAHO BBS *
                  Official Amiga Report Distribution Site -- Finland
                              * Running MBBS *
                              Lenni Uitti, SysOp
                         Tero Manninen, SysOp (PC-areas)
                        Juha Makinen, SysOp (Amiga-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.32 MNP
                             Seinajoki, Finland
```

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

We have over 7000 files online (both for the Amiga and PC) + 650MB stuff
on the Aminet CD-ROM disk.

Every user has an access to download filelist (LAHOFIL.ZIP), list of
Finnish 24-hour BBS's (BBSLIST.ZIP or BBSLIST.LHA) and every issue of
the Amiga Report Magazine (AR101.LHA-AR1??.LHA) even on their first call.

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

1.51 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
```

1.52 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
```

1.53 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"
```

1.54 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
```

1.55 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
```

1.56   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

1.57   Continental Drift

```
                 * CONTINENTAL DRIFT BBS *
          Official Amiga Report Distribution Site
                * Running DLG Pro software *
          Murray Chaffer & Andre Lackmann, Sysops
                      +612 949-4256
                   24 hours -  7 days
                   Sydney, Australia
```

1.58   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
```

1.59   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
```

1.60   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
```

1.61   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
```

1.62   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
        .........................................Findland
                    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

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

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

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

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