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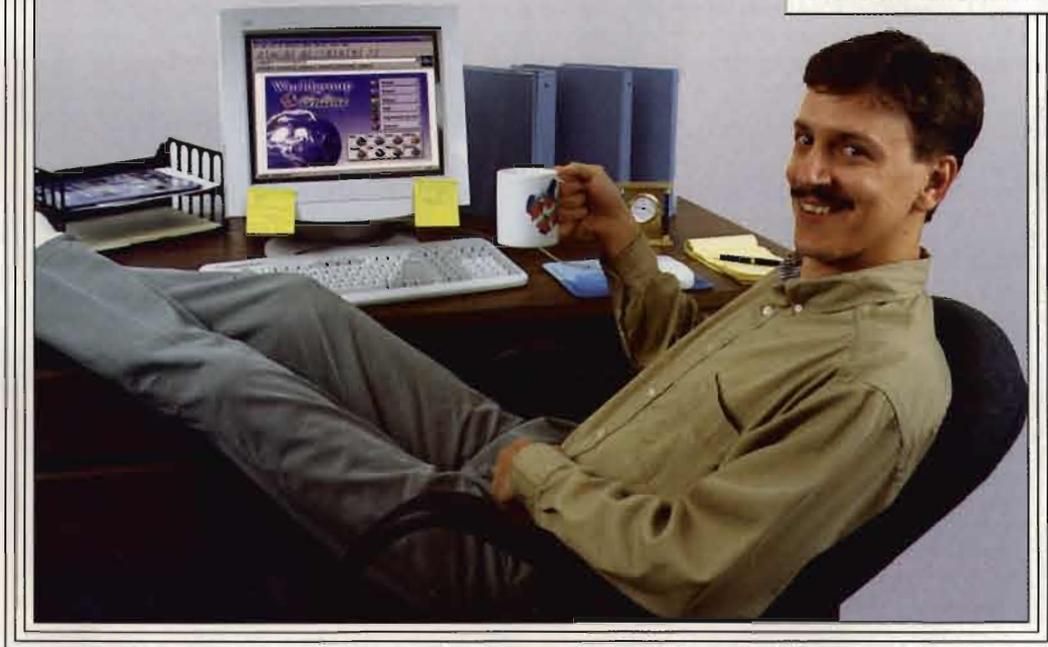
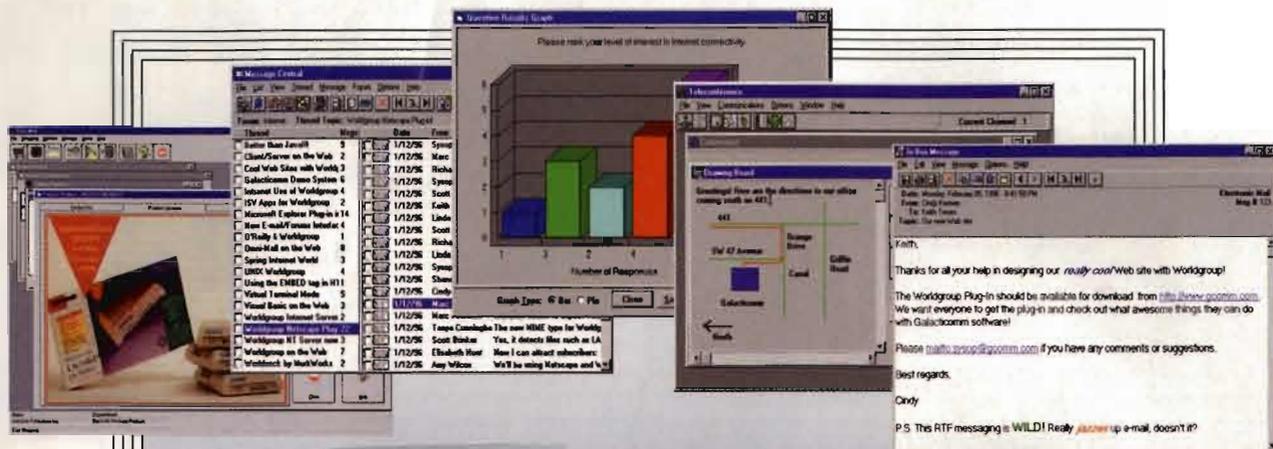
Once your users have the Worldgroup Plug-in software on their PCs, they will establish a **persistent connection** to your

server — ensuring greater real-time interactivity between your users and spontaneous delivery of data from the server.

When launched, the Worldgroup client apps are fully multithreaded and run directly from the browser. Any updates to your apps will be transferred automatically to your users in the background.

And, users can **continue to surf** the Web, while simultaneously maintaining their client/server sessions.

or Install Plug-in Web Apps



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Use your **favorite Web server** to launch your Worldgroup applications (or use the Web server built into Worldgroup).

You can also choose from a wealth of existing third-party apps,

or create your own using Visual Basic and other enterprise tools.

Of course, you can include any Java applets, VRML worlds or any other HTML files you've already created — Worldgroup fully embraces the **open standards** of the Web.

The Worldgroup client software also can be run independently of a Web browser. Authorized users can connect to your server via dial-up modems, ISDN terminal

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This stuff is steaming hot. See for yourself. Download the Worldgroup plug-in today from our Web site:

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Please call for pricing, configurations and availability.

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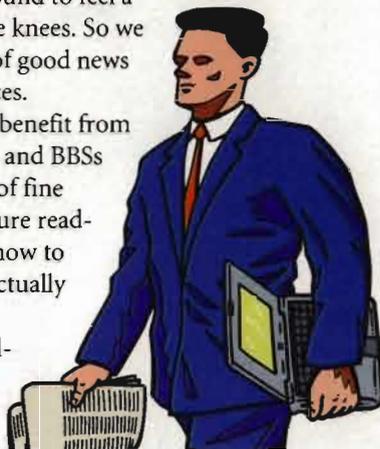
Readme.txt

@Work

With all the doublespeak bandied about these days relating to the job market (downsizing, outsourcing, etc.), employees are bound to feel a little dry in the throat, not to mention weak in the knees. So we asked Jacqui Kramer to perk you up with a stick of good news while offering a cool glass of employment resources.

Of course you don't have to be out of work to benefit from her extensive collection of Web sites, newsgroups and BBSs (starting on page 14). Employers will find plenty of fine places to mine for talent, too. And for good measure readers will discover some handy advice on precisely how to go from reading a text file about a dream job to actually doing the job.

Also this month we're introducing a new serialized column about how to start a Web site. Writer Steve Griswold will use the WeBeginner slot (Page 44) to relate his experiences as he attempts to set up and launch a Web site. Follow along with him to see if he succeeds (and steal some great tips along the way).



What's in a name?

Those of you who have read this magazine before might be a little surprised to see one fundamental difference between this and other issues. Yes, BBS Magazine is no longer. We're reborn this month as BBS.NET.

Well reborn might be a bit of an overstatement, as for some time our scope of coverage has embodied what ".NET" implies. In fact we have been undergoing a metered migration to the realm of TCP/IP and the Internet for a few years now, following — and sometimes anticipating — the moves of BBS software makers, sysops and BBS callers.

We realize this change might not bring a smile to the faces of all readers, so to those who damn us we offer this: BBS.NET is not a magazine about the Internet. It is a journal of bulletin board services, the companies who create them, the people who call them, and the news that affects them (i.e. WWW). It is secondary to us that many BBSs are embracing the Internet as either a catalyst by which to offer communications or an environment in which to develop Net-enabled online services. To us "BBS" is a generic term encompassing the expanding variety of online arenas. Dial-up BBSs, Telnet-only systems and World-Wide Web-based bulletin board services all fall under the umbrella of BBS.NET. We intend to balance coverage of each as demand dictates.

On that note, we encourage sysops of all BBSs to send updates and schedules of online/offline events (gaming meets, parties, etc.) for publication in BBS.NET. Fax or mail them to the number/address in the masthead. Or simply email them directly to me.

Rick Robinson, editor@bbsmag.com

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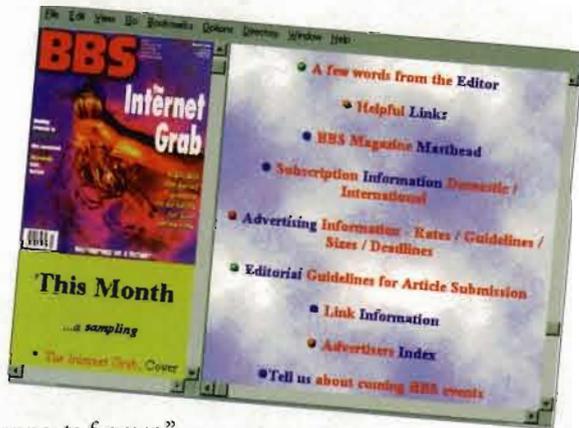
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Letters



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I'm sure that your (Web) pages look wonderful. However, I cannot see anything at all. It would be nice to see a message in your page that says at least "These pages not viewable at all unless your browser supports frames."

rjohnson@almond.elite.net

"A-List" and "Netted Boards"

Glad to see that you have a Web page that I can bring up. I am thinking of starting up a BBS here in Fairbanks as it would appear we have a lack of such services here. Lots of on ramps for the WWW, but no BBS. Here's a question for you. Where can I find a comprehensive list of BBSs by state?

wevans@polarnet.com

Wonderful World of BBSing

Great magazine, sometimes hard to find but now see it at CompUSA. Really glad I found it because it has lots of information I can use as the sysop at Disney Interactive.

sysop@disneysoft.com

Complaint Noted

I read your magazine and find it very useful. A lot of information which you do not find in other magazines. The only problem is you do not find it easily for sale in Malta (Europe).

jackson@waldonet.net.mt

Correspondence should be sent to letters@bbsmag.com. BBS Magazine reserves the right to edit letters for space, assuring room for all to be heard.

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NEWS WIRE

Cheetah for Worldgroup: Seek-n-Find Online

Any BBS worth its salt offers some kind of searching tool for callers to track down exactly what they want...right now. Without it sysops would have unhappy callers floundering about online for hours, manually thumbing through directories and occupying precious nodes.

But sometimes even the searcher equipped with a BBS just isn't enough for high-end seek-and-finds. That's where APDI (Application Programming & Development, Inc.) has come in for Galacticom, bringing its popular and incredibly quick searching product called Cheetah into the Worldgroup fray.

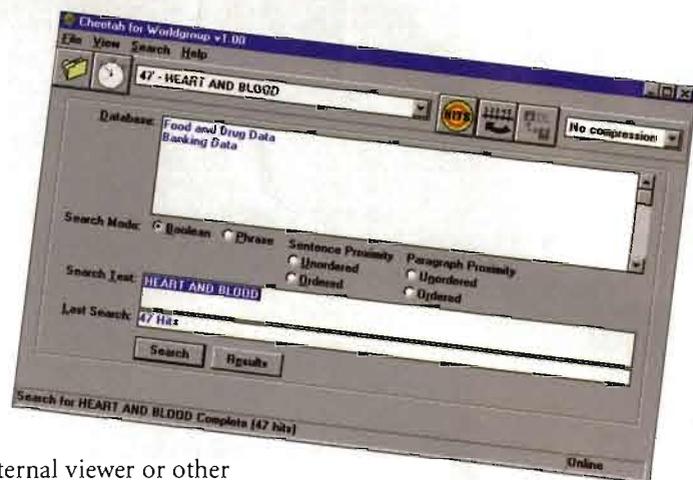
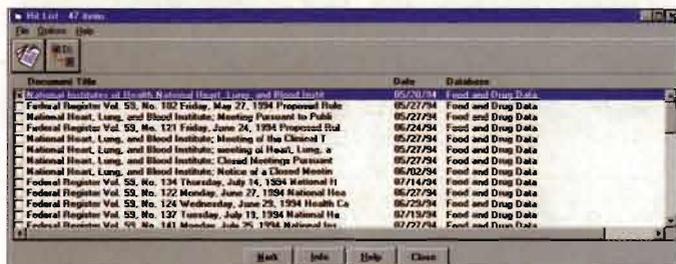
Cheetah for Worldgroup is a full text and retrieval tool that indexes every word on a Worldgroup online service in free form text files, allowing callers to quickly search literally gigs of files to find all instances of what they're looking for. Available as an ASCII/ANSI Door program for years, the new Cheetah offers a graphical point and click interface.

APDI notes Cheetah users can open one or multiple databases for search; search options include Boolean, phrase, and proximity (ordered and unordered).

With the flood of information overwhelming online users," said Mark Burnett, APDI president, "APDI saw a need for a search tool which would allow users to more quickly identify information they want."

After a search is entered, results are provided in the form of a "hit list" of qualifying records. It's from this list that callers can view the full text of selected records, print the records or download one or all records to their local machine.

Also, image files can be attached to each Cheetah text record; users can view the attached files with either Cheetah's



internal viewer or other external viewer previously designated.

Endorsement of Cheetah for Worldgroup has come from the top: Scott Brinker, president of Galacticom, said his company "is extremely confident in recommending Cheetah for Worldgroup as part of a total online solution."

Cheetah for Worldgroup is available from APDI for \$1,995. A demo can be tried online on the company's Worldgroup system at 301.449.1835.

For more info, contact APDI at 301.449.1400.

You Sign My License, I'll Sign Yours

What the heck was all that maneuvering back in March? Bedfellows were born of enemies, foes appeared friends. The dealing was done by Microsoft, America Online and Netscape, with the resulting line-up leaving some onliners more confused than ever and wondering whose deck was now the stacked one.

It's hard to say who's got the upper hand, nevertheless AOL chief Steve Case offered subscribers this explanation, in part: "Among the strategic partnerships we have formed include the licensing and exchanging of technologies with Microsoft, Netscape, and Sun Microsystems. These three companies which share our vision of providing the best tools and features to the largest online service membership.

"So what does all this mean and how does it affect you as an AOL member?

"First, we've licensed Microsoft's Internet Explorer to be the standard, built-in Web browser for AOL members. As part of this agreement, Microsoft will give Windows 95 users easy

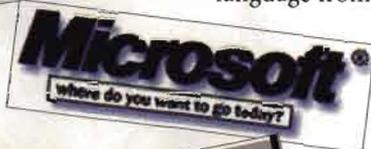
access to AOL from the desktop, and license art compression technologies from Johnson-Grace, a wholly-owned subsidiary of AOL.

"Beginning this summer, Microsoft will incorporate AOL software into Windows 95 and future versions of Windows, making AOL accessible via an 'online services' folder on the Windows 95 desktop. It will mean improved access to the AOL software for people interested in trying AOL. This points to the heart of our public protest last year when we asked Microsoft to allow other online services like AOL to be included with the operating system. This turning point is a victory for consumers because it ensures a choice of interactive services.

"AOL's partnership with Microsoft solidifies our long-term plan to support new technologies (such as browser software and applications) and provide them as an integral part of the AOL platform, without raising prices or instituting surcharged areas.

"Second, we announced that we are licensing the popular Netscape Navigator for use on AOL and GNN, our Internet service. Netscape Navigator will be the standard browser for GNN, while members of GNN will be able to run Internet Explorer if they choose. Likewise, while AOL will use Internet Explorer as the standard browser, AOL members will have the option of using Netscape. Currently, some of our Windows-based members are enjoying surfing the Web using the Netscape browser, and any Windows-based members can download the Navigator program today at the new Netscape area within Internet Connection or in Winsock Central...

"Third, we announced that AOL will license Java, the new and exciting Internet programming language from



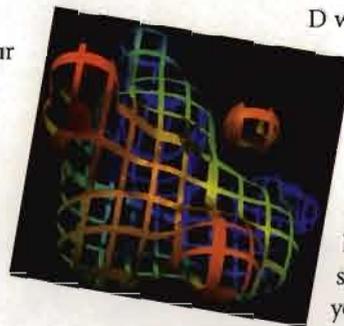
Sun

Microsystems. Essentially, this agreement allows us to bring you more dynamic, interactive, and real-time content and applications, or 'applets,' on both AOL and the Web."

3-D Goes Online

It may just be the latest novelty to go online, but what a spectacular novelty it is.

From Chromatek Inc. comes a new way of looking at text, images and animations on your screen — three dimensions. It works through the company's patented ChromaDepth 3-D glasses (you might have used them at a laser light show) that separate light based on color and allows wearers to see printed material and computer imagery in three dimensions without special processing of the images. This means whatever you're looking at will look fine without the



glasses and jump into 3-D when the glasses are worn. And in our tests we found lots of things became into 3-D with the glasses that were never meant to be — like the cover of this magazine. Designing screen layouts (on the Web or BBSs) that pop effect is simpler to achieve than you might think. For instance Chromatek suggests using a black background, choos-

CONTINUES...

Backing Up — Remotely

It's been deemed an Internet-enabled back-up solution, this new 32-bit WebStor product from McAfee, and its advocates say it provides complete and comprehensive online storage management.

What it does for end-users is allow them to select a file from within Microsoft Explorer and drag it to a target destination icon (reverse the sequence to restore the file). The target icon is linked to a distant FTP site, tape drive, hard drive or rewritable optical drive via the phone. (WebStor can use any ISP offering shell accounts.)

Plan on a little waiting, though. Back up a 20K Word document and expect to wait around 10 seconds with a 28.8K modem. Back up your drive and plan on taking in a movie.

WebStor includes Protection Manager, something that will ID personal files needing regular backup, and launch auto-backup sessions on a scheduled basis.

WebStor carries a price tag of \$65 and supports both Win 95 and Windows NT 4.0.

For more information, contact McAfee at 408.988.3832.



ing red, green and blue as much as possible, outlining art and text in black, and using shadows. That's about it.

Chromatek offers a "Discovery Kit" that provides all the start-up material, including glasses, for \$9.95. Call 770.772.9852 for more information or email chromatek@aol.com.

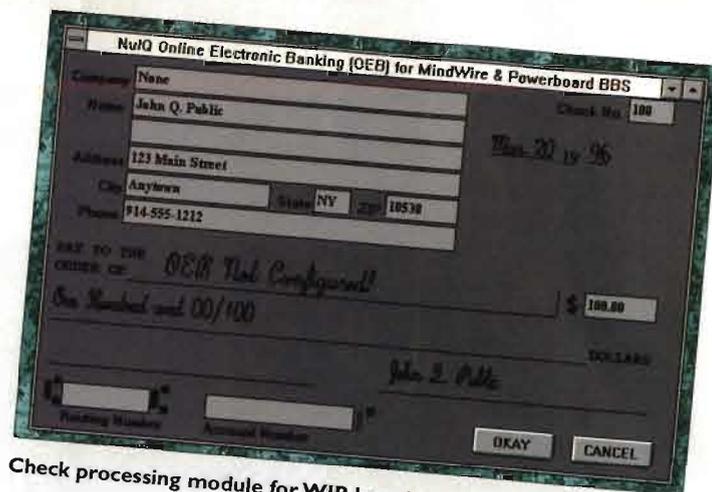
For a demo, check the Earth Channel Web site at www.earthchannel.com/.

ATS, NuIQ Release WIP Check Processing

Automated Transaction Services, Inc., a leading provider of electronic commerce solutions, has teamed with BBS software's NuIQ Software, Inc., to release the first check processing module for Windows Interface Protocol (WIP) based online/Internet servers.

WIP is a graphical protocol that transmits programs, 24-bit color graphics, and sound over the Net and dial-up connections in a client/server GUI environment.

Offline



Check processing module for WIP based servers.

Software that currently supports the WIP protocol include the MindWire Internet Applications Server from Durand Communications and Powerboard BBS from NuIQ. eSoft, Inc. has also promised a WIP-compatible version of its TBBS.

ATS already allows operators of online systems to accept check payment on several bulletin board platforms and over the Web.

The module allows users to pay for products and services with "checks" online rather than having to send it via snail mail. For realism, the module features a Windows GUI that actually looks like a regular check, too. After information such as check and account number are entered and verified, the user's name is graphically signed on the check, as is the amount the check is written for.

The module can be used in services such as online graphical databases, shopping malls and subscription services. "For entrepreneurs looking for a technology on which to base online business," said ATS vice president of operations David Goldfarb, "the addition of ATS's transaction processing solution may make the selection of a BBS system a robust alternative to a Web server."

NuIQ and ATS say the product will be available at no cost — at least through early summer.

Sysops interested in the module can contact NuIQ at 800.844.6526 or ATS at 800.435.6981. The Web site is www.nuiq.com.

by John Baynham

Symantec's pcANYWHERE32: Upgrade and Free Trial

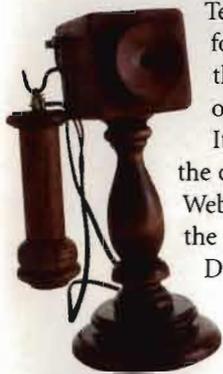
Symantec Corporation is offering a "trade-up" and 30-day online trial program for its pcANYWHERE32 — a remote control file transfer and general communications program that offers modem, cable, LAN, and Internet connections across Windows 95 and Windows NT.

Registered users of previous versions of pcANYWHERE or competitive products such as LapLink, CoSession, Carbon Copy, ReachOut and others, can get pcANYWHERE32 for about \$89 (usually \$149), including a free parallel cable, the company says. Symantec is also making available a free 30-day trial version of the 32-bit product on its Website at www.symantec.com

pcANYWHERE32 provides login and password protection, data encryption and file transfer rights that can be limited by the user. Host control/audit of calls also prevents unauthorized access to the host. pcANYWHERE also uses a time-saving element called SpeedSend that transfers only the amended elements of a file.

For more info, call them at 800.441.7234 or 541.334.6054.

Operator, Get Me the Net!



Text, graphics, animation — it's just not enough for Internet users these days. Nope. Instead, they want old-fashioned, reliable voice technology.

It's hard to miss all the proponents — they're the ones yelling from computer store shelves and Web pages about how you can make calls across the world for pennies on the minute. "No Long Distance Charges!"

It's actually a phenomena first reported here long ago (before there was a working model), and now it seems we're ready to forgo the long-distance companies for our ISPs.

If anyone doubted whether this could come to pass, they might want to pay attention to what Netscape Communications did recently.

The Power-Browser-Server company bought an equity position in Voxware (www.voxware.com), the private company known for voice-processing software for the Net and communications apps. Netscape also licensed parts of Voxware's technology.

Among Voxware's more interesting products? TeleVox — the new full-duplex Net telephone.

And modem-maker USR (800.USR.CORP) has just called

Quick-n-Easy

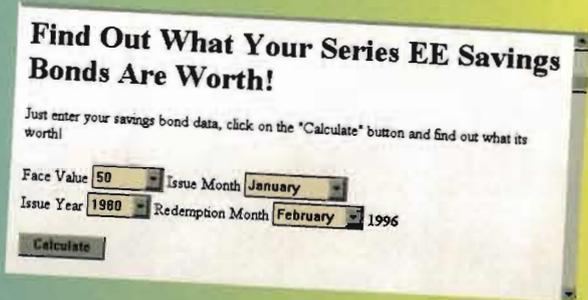
From Bonds to Bucks...Online

If you're looking to calculate the value of your U.S. Savings Bonds, put the pencil and calibrator away. Instead, point your browser toward www.execpc.com/~mmrsoft and try out MMR Software's bonds-to-dollars conversion pages.

You'll need to fill in a couple figures, hit go and within seconds the value is calculated.

The point of the site is to hook surfers in the hope that they'll try out this and other of the "Bonds Away" products from MMR, like MedClaim, StampPro and CoinPro — all for Windows and all available for trial download.

Their software's pretty cheap, too: \$20 to \$49. For voice info, call 301.493.4256.



in. U.S. Robotics is bundling a demo version of VocalTec's Internet Phone with its ConferencLink CS1500, the PC-adaptable conference speakerphone, giving users hands-free, two-way voice conversations over the Internet for the price of a local telephone call.

One question: When will a Morse code plug-in be available?



'Net BBS - Update

We first told you about the new 'Net BBS last month. This time we offer a glimpse at what a user might see when accessing FTP with the board. A combination of Murkworks' (Inc.) BBSNet for NetWare and NuIQ Software's Powerboard BBS, this \$395 package offers a quick solution (setup should take

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less than half an hour, say its makers) to getting a BBS up an on the Internet.

"Once a system based on 'Net BBS has been set up," said NuIQ's Douglas B. Vermes, "people anywhere in the world can access it. It's easy as accessing a Web site, which is accomplished by entering the command `http://` followed by the name of the Web site. The only difference is that in order to enter a "Net BBS site, the user enters the command `telnet://` instead." The system can even be linked to a Web page so surfers can click an icon and be propelled to the BBS.

For more information contact NuIQ at 914.833.3479. The BBS is 914.833.1479.

InVircible — 'Military Strength' Virus Protection

Flu season's over for many of us, but it's year-round for our PC friends...computers that is. And if you're prone to downloading from the Net and BBSs, the season can get all the more virulent.

Virus checkers have been with us for years, successfully snagging the byte-biters before they lunch, but reports lately of the deadly bugs sneaking past the checkpoints have got

Top Ten Downloads from shareware.com

from March '96



Macintosh top 10

Rank	Title	# of Downloads
1	3dscreamers1.0bd.sit	5570
2	stuffitexpander3.52	3928
3	Netscape2.01	3924
4	disinfectant3.6.sit	3585
5	speed-bump.hqx	3249
6	snyderspeed3.cpt.hqx	2142
7	freeppp1.04.sit.hqx	1961
8	sparkle2.45	1961
9	soundmachine2.52.sit	1536
10	skydive1.0.cpt	1504

DOS

Rank	Title	# of Downloads
1	pkz204g.exe	5858
2	2show203.zip	2478
3	fp-221.zip	2057
4	pcc12c.zip	1016
5	scn-229e.zip	971
6	modem60.zip	911
7	sea11.zip	764
8	sw10b132.zip	730
9	gpv17a.zip	718
10	vshell20.zip	610

Windows 95

Rank	Title	# of Downloads
1	wh95-v1.zip	15397
2	winzip95.exe	14270
3	s95i110e.zip	14194
4	logopak1.zip	13814
5	Netscape2.0	11796
6	psp311.zip	11392
7	happy2.zip	9474
8	sttheme.zip	5381
9	qtplay12.zip	5125
10	winu10.zip	4418

Windows 3.1X

Rank	Title	# of Downloads
1	girlspok.zip	20991
2	wz60wn16.exe	12824
3	hootsave.zip	11612
4	bookmark.zip	10313
5	Netscape2.0	9947
6	strip101.zip	9422
7	noct11.zip	9108
8	wsc-277e.zip	7176
9	cspoker.exe	6626
10	winbwlsi.exe	5809

some onliners worried. If you're using a DOS-based PC or LAN, there's really no need to be...anymore — this because of an ugly little program originally devised by a techie working for the Israeli military.

Called InVircible (distributed by Global Data Group), this half-meg a program has two main parts and four utilities. When installed, InVircible modifies your AUTOEXEC.BAT file so each time you boot a part of the program launches, seeking out the bad guys — known and unknown viruses — or at least evidence of any changes/activity, then disappears out of RAM until rerun or the system is rebooted. Most virus checkers just run a general search of the drive looking for specific bugs.

Global Data, as well as independent testers, say the program is darn close to 100 percent effective, as well as being sabotage resistant, shielding itself from anything looking to piggy-back. Additionally, the program offers real-time recovery from common, new and unknown viruses. And if your InVircible catches one of the wily critters, leaving you unsure of what to do, Global Data offers free tech support.

The program sells for \$129. For more information, call Jack Rule at 800.789.3447 or 813.789.3447.

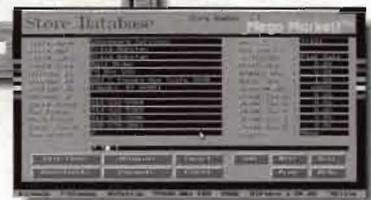


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 Boardwatch Magazine - October 1995*



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Get a Job



Online

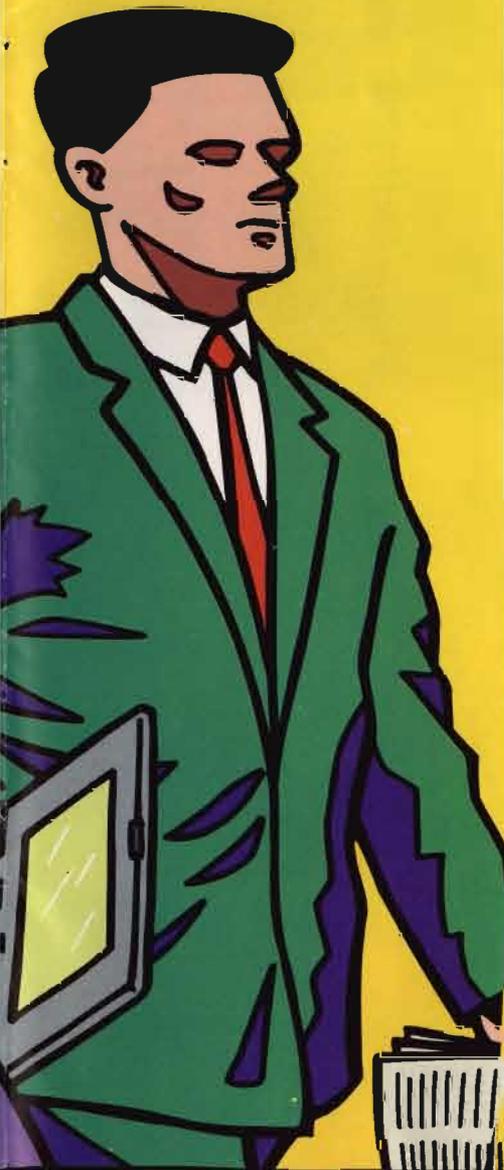
PUT DOWN THE NEWSPAPER AND
GRAB YOUR MOUSE FOR
A TREK TO THE TOP SITES ONLINE
FOR FINDING THAT DREAM JOB

BY JACQUELINE KRAMER

Everyone has heard the old axiom that the best jobs are never advertised. What they never tell you is how to find those jobs. The truth is, finding a good job is a combination of several factors, including opportunity, qualification, and in some cases, pure dumb luck.

Connections never hurt, either.

CONTINUES...



A magazine article can't help you find the right connections, but it can help you get connected — to the plethora of job opportunities and new job-seeking techniques available thanks to the magic of BBSs and the Internet.

In fact, the volume of jobs advertised online can be overwhelming. Therefore, it is important to pace your search. Select a few sites to visit each night (or weekend, as your schedule permits), and take your time when visiting each one. Some job sites mentioned in this article will require you to prepare a full resume online, while others will simply list jobs. It is up to you to determine which ones will best serve your needs. Just be assured that somewhere out there is the perfect place to begin your search. And with a little luck, so is that perfect job.

Ladies and gentlemen, start your modems. The search is afoot!

The Starting Line

Before we go online, there are a few tools of the trade you should prepare. First of all, you must have a resume ready to go in various forms. If you have not written a resume, stop reading now and go put one together. Don't worry, we'll wait. What? You say you don't know where to start?! Well, you have a few options. If you have a friend you trust, ask her (or him) to help you out. If you're both in the same boat, consider visiting a resume service. A comprehensive list of resume services can be found at

http://www.yahoo.com/Business_and_Economy/Companies/Employment_Services/Resume_Services/.

Done? Good. Back to business. Our next step is to develop an ASCII version of your resume. This may not make sense now, but as you venture onto the Net, all will become clear. A growing number of companies now accept email resumes, and many (if not most) will specify ASCII formatting. The reason is simple: No matter what type of machine they have, ASCII text will come out clean and relatively neat. Remember, special effects are nice, but in the end, it is your knowledge and/or experience that will land you a job.

Time to Define

Although the temptation to spam the Internet with resumes may be great, resist it in favor of a hard-target search of the appropriate resources. This will cut down on the amount of noise in your mailbox and also improve the odds that you will find something you want. Therefore, you must first determine what type of search you need to perform. In this article, I will discuss:

- Finding an internship
- Finding a first job (e.g., straight out of school)
- Finding a job in a specific area
- Finding a job anywhere

For each category, I will give a brief definition of the search, followed by places to search for that particular type of job. There are not enough column inches in this entire magazine to cover every job posted online, but I'll do my best to point you toward the cream of the crop.

The Internship

Internships are an excellent way to get that elusive experience that employers seek when it's time to get that first job out of school. Some companies pay a stipend for internships, while others use them as unpaid labor. Both kinds are plentiful on the Internet.

Many top companies provide information about internships on their World-Wide Web sites. If there is a particular company (or companies) for which you would like to slave (er, intern), stop by the company's site and check their jobs section. If you're not sure what the company's URL is, or if they even have one, try Digital Equipment's Alta Vista search engine (<http://www.altavista.digital.com/>) for help tracking them down online.

If you just need an internship — any internship — consider checking out one of the many sites online dedicated to internships. These include the Brain Book's Internship Index (<http://www.reg.uci.edu:80/UCI/SOP/BRAINBOOK/internship.html>), the internships page at <http://icpac.indiana.edu/interns.html>, and The Princeton Review Online (http://www.review.com/career/internships_worth.html).



The First Job

The first job out of college is often the most difficult to land without connections, which can mean anything from a friend to an alumni association. On the Internet, your options expand somewhat. There are many sites dedicated to helping college juniors and seniors figure out what they want to do, and how to find a job in their chosen field.

For those who still aren't sure what to do with their degree, a visit to a career center may be in order. America Online and CompuServe both have excellent career centers online that offer everything from resume help to career-oriented bulletin boards.

On the Internet, career guidance is available from nearly every job search site online. A number of career guidance sites also are available. One such site is the electronic edition of the Career Development Manual (<http://www.adm.uwaterloo.ca/infocecs/CRC/manual-home.html>), which will assess your strengths and weaknesses,



Tips for Applicants/Employers

Finding work online means following a new set of rules as well as the old standbys. Here are a few suggestions for applicants as well as would-be employers, collected from professionals on both side of the job hunt.

To the Applicant:

- Have an ASCII (plain text) resume ready to send via email. This means skipping the special effects in favor of a clean, well-written resume. Never assume that your contact will be able to read your WordPerfect, Microsoft Word, Adobe Acrobat, or HTML resume. (Even if they can, they may not want to.) You can still prepare a fancy resume to print for snail mail queries, or to keep queued in your Send basket for faxing via modem.
- Listen to the employer when they set guidelines. Even if they volunteer an email or telephone number, refrain from using them unless you have a real reason. Do not bother the employer two days after your interview to ask how you did.
- If you are rejected, consider contacting the person with whom you interviewed one last time. In many cases, the interviewer will take a few minutes to critique your interview performance. If they do not respond to your call, or decline to offer a post-mortem on your interview, accept it with a smile.

To the Employer:

- Please, don't leave applicants hanging. If you promise to call but cannot, take a moment to contact the applicant, even if it's just a short note via email, and let him or her know.
- Make the boundaries clear from the beginning. If your email address is to be used only in certain situations (e.g., if another job offer is made and you'd like the opportunity to counter it), state that up front. If you prefer that the applicant not call or send email at all, say so.
- Don't contact the applicant at work, unless you have cleared it with him/her ahead of time. Some job seekers don't want their coworkers to know that they're looking, but they often will include their work phone number on their resume as a courtesy or because it's expected.

interests, and so on and offer some helpful suggestions concerning your future. If you just want to explore some specific jobs, try the Exploring Occupations site at <http://www.umanitoba.ca/counselling/careers.html>.

The next step is to find those all important connections. If you use an online service, odds are you can find assistance in a job center. The job sites vary by service, but many include bulletin boards where users can meet and greet others who have been in your position before. These boards may not bring you a job right away, but they can be great sources of support and potential networking.

There are also quite a few professionally oriented email mailing lists where you can make connections and "network" online. Find some that suit your career goals, and spend much of your time on them lurking. Be careful not to make a pest of yourself: Flame the wrong person or leave a bad impression on the list and you may do more harm than good.

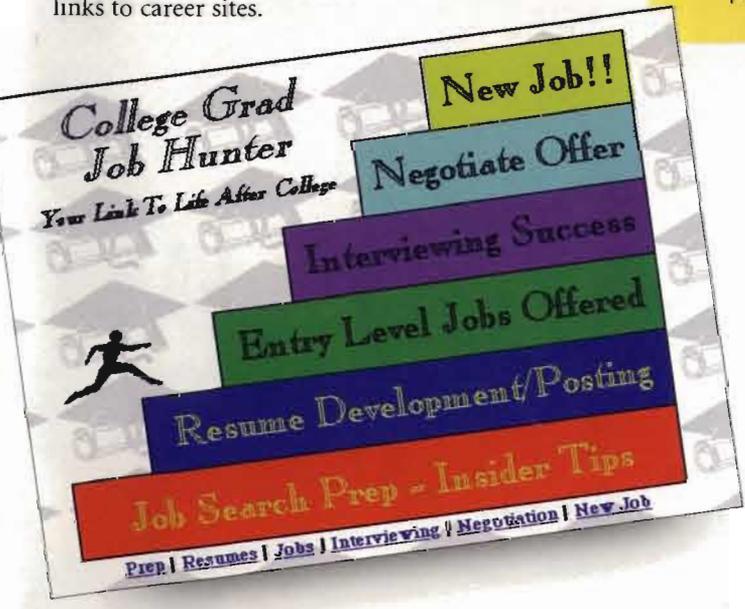
On the Web, try College Connection at <http://www.careermosaic.com:80/cm/cc/cc1.html>, which features a list of companies that actively seek out new graduates, as well as links to universities, resume help, and job fair info. Another site, Job Hunter (<http://www.collegegrad.com/>) also offers the obligatory resume/interviewing tips, and other useful information.

In addition to these general sites, check out your alma mater's Web site (assuming it has one). Some offer basic job hunting tips, and still others will have links to career sites.

Finding a Job (Specific Market)

Okay, so you've been out in the job market for a few years, and now you are ready to make the big move to your dream job. This is where the Internet truly makes its bones. Anyone can find the local newspaper ads, but it might be a little difficult if your dream job is 2,000 miles or more away. Unless, of course, you have Web access.

Dozens (and perhaps by now, hundreds) of newspapers place their want ads online already, and more are getting online every day. Many sites, including the San Francisco Examiner's SF Gate (<http://www.sfgate.com/>) and the Philadelphia Inquirer's site (<http://www.phillynews.com/>) offer a searchable database of the latest want ads. Smaller



CONTINUES...

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Class of 1996:

Post your resume now to ensure you have that position when you graduate in May. Don't put off your job search until the last minute. Most professional recruiters will tell you that most positions within client companies are filled long before the graduation date. It's never too early to start your employment search and there's not a better place to do it than with JobCenter Employment Services. See our article: *When College Students Should Begin Their Job Search to be Guaranteed a Job Upon Graduation*

papers may require you to dig for the want ads, however. You can find a comprehensive list of newspaper Web sites at Newlink, at <http://www.newlink.org/>.

The newspaper is just one outlet available to you on the Internet, however. Other options include going straight to the source: Visit company Web pages and check out the jobs/employment section. Another excellent resource is Usenet. A handful of major markets have "jobs" newsgroups, which usually are comprised of job offers posted by companies. Another set of "jobs.wanted" Usenet groups are available for those seeking jobs. This is where applicants can post their ASCII resumes (see, I told you it would come in handy!) for employers to view in awe.

Finding a Job Anywhere

Internauts who are willing to go anywhere may have the best chance of landing a position quickly. There are miscellaneous jobs.wanted Usenet newsgroups, plus you can post your resume to any Usenet groups in desirable markets.

A better strategy, however, is to hit the job services online. Some are free, others charge. It is up to you to determine which services are worth paying for and which ones to leave alone. As can be expected, you will receive more assistance

from the for-pay services than the freebies. It never hurts to submit your resume anywhere, however. You can always turn down a job if it's offered, and you decide not to move.

One of the best (and most popular) for-pay services is Job Center (<http://www.jobcenter.com/>), which costs about \$20 for six months of service. When you register, it will take a few minutes to fill out a profile and upload your prepared resume. Plan to spend the time it takes to get everything right at this point, as it is the cornerstone of your search (as far as this particular site is concerned). If you need to correct your profile or change it later, you can do so online via an assigned password. Once you finish registering and get into the database, employers will be able to call up your resume by searching on keywords (e.g., "nurse"). In the meantime, Job Center will email you job matches that match your keywords as they come in. The service also can be used to periodically auto-post your resume to selected Usenet jobs groups, an invaluable service.

NationJob (<http://www.nationjob.com/>) also offers a variety of services for the happy hunter. The service includes a searchable database of company profiles, a searchable jobs database, and links to other sites. NationJob also includes P.J. Scout (Personal Job Scout), which also sends job descriptions to the job seeker via email.



NationJob Online Jobs Database

Welcome to NationJob Network, an on-line job search service containing thousands of detailed job listings and company profiles. The listings are from around the U.S. with a Mid-west focus. Good luck with your job search! Interested in more information [about NationJob?](#)

 **Search for a Job** that meets your custom criteria.

 **Search for a Company** that meets your custom criteria.

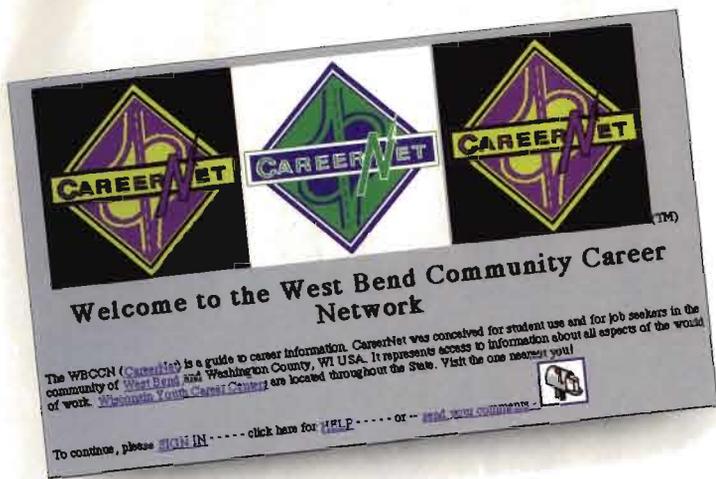
 **Directory of all Companies** available through NationJob.

 **Sign Up P.J. Scout** to do your job searching for you. (FREE!)

Jobs on BBSs

You don't have to subscribe to an online service or surf the Internet to job hunt — a fair number of BBSs dedicated to finding you a new gig do exist. Here are a few BBSs to consider while looking for that special new position. All BBSs listed are based in the U.S. and are free unless otherwise noted.

- Career Link, Inc. 602.841.2134
Career Link features jobs both in the U.S. and abroad. There is a fee for this BBS.
- D.I.C.E. National Network: 408.737.9339
D.I.C.E. is a California-based BBS that lists full-time and contract positions. A majority of the jobs advertised on this BBS are computer-oriented.
- JOBBS!: 770.992.8937
JOBBS! Sysop Bill Griffin maintains a database of more than 30,000 resumes. You can add your own to the pile by sending it in to this BBS. While you are there, you can check up on potential employers, other applicants, and "career lifestyles."
- JOBS-BBS: 503.281.6808
JOBS-BBS provides national job listings in a variety of categories. This BBS features the JOBS-NOW echo, a job listing conference that is updated up to four times each day.



If you are more of a do-it-yourselfer, consider checking out the Virtual Job Fair (<http://www.careerexpo.com/>), which never shuts down and doesn't require an E-ticket to ride. Around 400 companies list thousands of jobs on the fair site. More than half of the jobs listed are in the computer industry. (Usenet also is overwhelmed with computer-oriented jobs, so it helps if you're technically oriented.)

The job listings at the Virtual Job Fair are updated once per month. Therefore, this site is definitely worth checking out, but it should not be your primary resource. The Virtual Job Fair also includes a "Resume Center" where jobseekers can drop off their resumes. You can read the full text of High Technology Careers magazine while you are waiting for that big email (or phone call).

Federal jobseekers should check out CareerNet

(<http://www.careers.org/>), which doesn't offer much in and of itself, but does link to federal job boards in every state. Speaking of states, you can find just about every state on the Internet, primarily on the World-Wide Web. A majority of the U.S. state employment offices are linked at <http://WWW.AJB.DNI.US/cgi-bin/ajb/otherjobs/>.

If you want a little more guidance before hopping online, consider investing in one of the various books dedicated to finding you a job. NetJobs, by Mary Goodwin, Deborah Cohn, and Donna Spivey, is a no-nonsense guide to job hunting and resume services on the Internet and the online services. The book already is a tad outdated — it lists the now defunct eWorld as a resource, and fails to mention the Microsoft Network — but its basic information base is excellent. (A number of the sites mentioned in this story also are mentioned, in greater detail, in the book.)

These job sites are just a handful of the options available online. While they are all excellent starting points, the best job search is the personalized one. Visit a few sites, get a feel for what you need (and want), and then pursue the areas that work for you — be it Usenet, the full-service job site, or simply cruising your dream companies for potential openings. The Internet cannot cut down on the amount of footwork you do, but it can make it an easier and more pleasant experience. And who knows — perhaps that perfect job is just around the corner.

You'll never know until you log on. ■■■■■

Jacqui Kramer writes the Future Tense column for this magazine.

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'Plugging In' to the New Web

NETSCAPE 2.0 PLUG-INS ADD ELECTRICITY TO THE WEB

Though in past editions of Webwise I've covered a lot of the new features of Netscape 2.0, one in particular bears revisiting: Netscape's plug-in architecture. Why? Well, apart from the fact that a ton of third-party companies have been jumping on the plug-in bandwagon — releasing free or low-cost code that extends the capabilities of your Web browser — there's the not-so-small fact that Microsoft has adopted Netscape plug-ins for its Internet Explorer v3.0 browser as well. (So has Oracle, but you're less likely to be cruising the Web with its geek-happy PowerBrowser.)

Point is plug-ins are not going away, so you might as well get used to them, and start using them.

Plugged In

Since you could probably spend most of your life downloading, installing, and upgrading your Netscape plug-ins, it's best if you go about this in a logical manner. Do you have a sound card (or plan to get one soon)? If not, you can pretty much rule out all of the sound and MIDI music plug-ins out there — a good third of all available plug-ins. Unless indicated, the devices mentioned in this column are available — or will be very soon — for both Macintosh and Windows.

The ones you should put at the top of your list include Macromedia Shockwave animation (<http://www.macromedia.com/Tools/Shockwave/sdc/Plugin/index.html>), Adobe Systems' Amber PDF plug-in (<http://www.adobe.com/Amber/>), and Live3D from Netscape for VRML (http://home.netscape.com/comprod/products/navigator/live3d/download_live3d.html).

There are other VRML plug-ins, and there will be more appearing in the coming months, but none has really distin-

guished itself yet. Besides, Netscape owns the plug-in specification, so there should be a minimum of glitches with their software, right? (Please don't answer that.)

The Envoy plug-in from Tumbleweed Software (<http://www.twcorp.com/>), based on Novell's text browser, is another good bet. You can be sure that Microsoft will try to make its Word document format an Internet standard in the near future, but until it does, there's a third-party plug-in from INSO Corp. that does the job — for a price — at <http://www.inso.com/plugin.htm>. At least there's a free 30-day demo, which ought to last until Microsoft gets its act together and releases one gratis.

Making Movies

Apart from Shockwave, there are quite a few new animation plug-ins, each promising to revolutionize the Web. Fortunately, since the companies hope to sell the



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sizzler

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A CANDY COATED PILL FOR MASTERING THE INTERNET.

You're sitting at the dinner table, when your son says: "Can you FTP the orange juice, or

software to encode the movies to Web site content providers, the plug-ins are generally free to end users. Hence, you can try them all!

The most promising include Totally Hip Software's Sizzler for streaming multimedia, at <http://www.totallyhip.com/>, and GEO Interactive Media Group's Emblaze cartoonish streaming animation technology, at <http://www.Geo.Inter.net/technology/index.html>. Sizzler is hot: It's very fast, and it loads repeating animations much like an interlaced GIF. The animation is fuzzy at first, but it gets progressively clearer as the file loads. The cool part is that it starts playing almost immediately. Emblaze is geared more toward TV-like programming: You can watch animations of a quality similar to Saturday morning cartoons.

Apple Computer is promising a slew of QuickTime movie plug-ins for everything from QuickTime movies that start playing the moment you start to download them to its virtual reality-ish QuickTimeVR landscapes. Unfortunately, they're a little late in getting these little guys to the Net. While they were sleeping, some enterprising young code hackers like Ivan Cavero Belaunde have released plug-ins for inline QuickTime movies on the Mac. (Belaunde also has a Windows version in the works.) You can find his plug-ins at <http://www.well.com/user/ivanski/download.html>.

Sounding Off

If you do have sound capabilities you're in luck because now you can enjoy sound, music, and radio — all contained within the window on your Web browser. (Well, speakers help but the controls — when available — are embedded in the window.)

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This brings me to the top plug-in to have in your arsenal: Progressive Networks' RealAudio, at <http://www.realaudio.com/>. RealAudio has really caught on across the Web, and there is plenty of enjoyable programming available, so you'll want to put this near the top of your plug-in list.

For MIDI music fans, there are quite a few options, including a few home-brew offerings. Your best bet is the cross-platform Crescendo, a plug-in by LiveUpdate at <http://www.liveupdate.com/crescendo.html>.

Insanely Cool Stuff

There are other kinds of plug-ins doing things you might have imagined impossible. Cool things. So get used to being surprised — this is what the "New Web" is founded on.

Right off the bat, I have to tell you that Galacticomm has a Worldgroup plug-in that will let you interface with their popular graphical BBS through your Web browser. You can find the Worldgroup plug-in at <http://www.gcomm.com/>.

One thing of I'm certain you'll see no shortage of is new and exciting image formats. These will plug in support for new graphics faster than you can say, "What ever happened to PNG?"

One to watch is Johnson-Grace's ART image format. If you've ever used America Online, you'll recognize it as the style of graphics that appear as if behind frosted glass, only to become clearer with each subsequent pass. You'll find an ART image plug-in, which also handles compressed audio, at <http://www.jgc.com/>.

It's a safe bet that every company will claim that its technology alone will offer the fastest loading images on the planet. For now, one firm looks particularly promising. Maybe it's the name: Lightning Strike. You can find their new Wavelet image compression plug-in at <http://www.infinop.com/>.

Looking for something cooler than new graphics formats? If your Mac browser is already "shocked" with Shockwave, you can control it with the sound of your voice, thanks to Digital Dreams' speech recognition plug-in at <http://emf.net:80/~dreams/Hi-Res/>.

And if that doesn't dazzle you, how about a multilingual Netscape? You can get language translation features for English, Spanish, German, and French text from Globalink at <http://www.globalink.com/>. Parlez-vous HTML?

Future Directions

Eventually we should see a "shake-out" on the Net as some plug-ins become wildly popular and others fade away from disuse. You'll likely see the best ones bundled with Web browsers; already Shockwave and RealAudio are included with Oracle's PowerBrowser, and it's early yet. Also, expect more interactive stuff — like plug-in games — to emerge.

If you're really interested in plug-ins and want to keep up-to-date, you can do no better than to bookmark

CONTINUES...



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The Friendliest BBS in the World is now on the Web

Introducing Rusty n Edie's Web BBS

<http://www.rne.com>

Over 45 gigs of the best shareware on the net

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Easy Point and click file access

On April 10, 1996 one of the largest and oldest BBSs opened its URL to the world to provide all Web users a place to go to get quality files and gifs. If you are tired of getting incomplete or outdated files from those endless FTP sites, set your browser to www.rne.com and see the BBS difference.

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Fax330-726-3590

<http://www.rne.com>

web.sysop@rne.com

BrowserWatch's Plug-in Plaza at <http://www.browserwatch.com/plug-in.html>. The site catalogs plug-ins in development, as well as those that you can download or purchase right now, and it lets you know at a glance which platforms are supported.

It's sort of like dying and going to plug-in heaven.

Overheard on the 'Net

"Give me ambiguity, or give me something else." ■■■■■

Dave Kramer can be reached at reeltime@voicenet.com.

Plug-In	Company	PPC 68k
ASAP WebShow	Software Publishing Corp.	
ASAP WebShow lets you view any document created by SPC's award-winning ASAP WordPower report and presentation software package.		
ASAP WebShow	Software Publishing Corp.	SAMPLES
Plug-In	Company	PPC 68k
Acrobat Amber	Adobe	
Acrobat Amber (codename) Reader that you can use to view, navigate, and print Portable Document Format (PDF) files directly in your Netscape Navigator window.		
Acrobat Amber	Adobe	SAMPLES
Plug-In	Company	PPC 68k
Animated Widgets	ProgTools	
Could not connect to site		
Animated Widgets	ProgTools	SAMPLES
Plug-In	Company	PPC 68k
Around Web Player	Gold Disk Inc.	
The Around Web Player (AWP) plays both Around and Studio M Multimedia files directly from a Web page.		
Around Web Player	Gold Disk Inc.	SAMPLES

Installing plug-ins

Installing plug-ins for Netscape 2.0 is a pretty straightforward process.

Most seem to come with a "smart" installer that automatically finds the plug-ins directory on the PC — tracks down your Plug-ins folder on the Mac side — and places any necessary resources there. You then need to quit and re-launch Netscape to begin using them. In the case of Adobe Systems' Amber plug-in, you may have to restart your computer since the installer adds new system components, such as Adobe Type Manager.

Some PC plug-ins are nothing more than a new Dynamic Link Library (DLL), which you can download with your Web browser directly to your plug-ins directory. If you download a large number of PC plug-ins at once, you might want to place each one in its own temp directory before unpacking them.

They sometimes include several system components apiece, and it can become confusing if they're all mixed up in the same subdirectory.

Also, if you abort download of a PC plug-in that comes in the form of an .EXE file (because it's taking too long, or appears stalled), you should delete the partial download from your hard drive immediately. It's possible to launch a partially downloaded file of this type, but the installation will fail.

On the Mac, most plug-ins are BinHexed or encoded with MacBinary, so you'll want to keep the latest version of Stuffit Expander handy to unpack them.

— Dave Kramer

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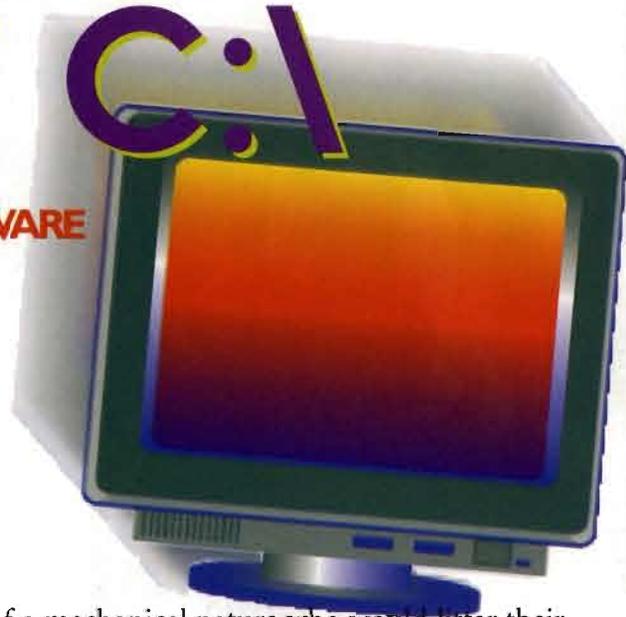
CC# _____ Exp. Date _____ Signature _____

BBS Name (if any) _____ BBS # _____

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FORMAT C:\

WHEN SOFTWARE + HARDWARE = PAINWARE



During the 1970s, as I recall, there were these rugged individuals of a mechanical nature who would litter their front yards as they stripped, retooled, sooped up, repainted, rewired and sanded down their mobile restoration-work-in-progress. These scenes are considered eyesores now (were they not then?), and newer cars are far too complicated electronically to be dilly-dallied with on a Saturday afternoon. The new work in progress is the home PC.

Like the big V8s of yesteryear, home computers never seem quite right and are constantly in need system maintenance. If I solved my automobile problems in the same manner as my PC, the neighbors would likely be dialing 911, because the best way I've found to resolve serious system instability is to blow the system up: C:\FORMAT C:\

You see my computer is fond of crashing lately (a neat effect I blame on software manufacturers, of course). Part of my weekly repertoire is to load and test new software titles for review on my radio program. Each day packages arrive and are stacked in the corner of my office: Corel, Microsoft, Quarterdeck, 7th Level, Id, Lucas, Voyager, Adobe, Hearst, Time-Warner... the list is endless.

This sounds like a great deal, and playing with the new gizmos for free

has its advantages. However, an interesting thing often happens upon loading the latest-n-greatest. It seems that software developers assume your operating system wants to be completely reconfigured in order to run their particular title. The result: When I fire up my computer in the morning it's a crap shoot (me wanting to shoot the crap). Sometimes it locks up as Windows boots, other times my IP stuff goes loco and my Internet access bombs. My favorite flub is the "An illegal operation has occurred, this program will be terminated" message.

The three-finger salute is meaningless (control-alt-delete) as my system chases it's tale in a silicon frenzy, locking that evil green LED above the HD indicator into an eerie bright glow. The more software I load, the more volatile the system is.

Software manufacturers that include an uninstall icon are my heroes. Somewhere in the depths of silicon valley, someone in R&D answered the clue phone and figured out that someday we consumers might want to get rid of the software she or he is so diligently developing.

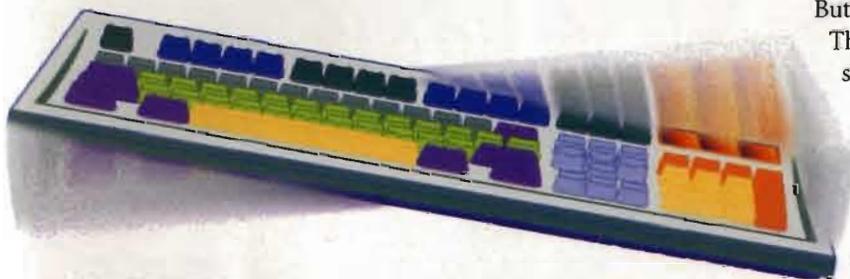
And another thing: Pretty interface=slow interface. But you already know that — at least those BBSers who decried the advent of GUI BBSs know it. I've sacrificed speed for the ability to drag and drop. As it stands now, I want to drag this Compaq to the window and drop it three stories (though I'm sure that brain of yours is solving my system diagnostic dilemma as you read this and I can count on lots of email with words like "dunce" in it).

One of the problems lies with the computer manufacturers. The current

If I solved my automobile problems in the same manner as my PC, the neighbors would likely be dialing 911, because the best way I've found to resolve serious system instability is to blow the system up: C:\FORMAT C:\

trend of computer consumption dictates that new consumers want their new pretty machine to be ready to roll "right out of the box." Subsequently, some computer manufacturers stuff the system with tons of needless software. Worse than that, some, in their benevolent nature, create some hackneyed operating system/application that rides on top of Windows (as if Windows didn't give enough problems).

When I received a new Compaq Presario, it took me weeks to purge the hard drive of the endless nonsense. In the consumption=salvation methodology, Compaq puts an application on top of Windows that looks like a mall. We all love the mall don't we? It's annoying and full of stuff we don't need or can't afford, but you still have to look at it as you go by. Upon fire-up, you are taken to this Presario Plaza that let's you choose the Windows Gallery, or click on the fountain, or the kids store. I still can't for my life figure out how the hell to strip it off my system. Granted I haven't taken the time to read the code, but I shouldn't have to.



The Happy People at HP called me to demo their new flame-thrower HP Pavillion. The first thing I noticed was something riding on top of Windows. They call it "training wheels for Windows." My first question, of course, was "How do I get rid of it?" To my surprise it was a snap: Point, click, gone. The interface was actually cooler looking than Windows, but it's nice to have some control over the computer.

I read a recent study that said people give their computers human attributes, talking to them, thanking the machine. I totally agree. I've turned into a trash-mouth with my machine. Co-workers think I'm on the phone yelling silicon laced expletives. I'm simply trying to communicate with my good friend Ms. or Mr. PC.

Saving Grace?

Frankly I'm ready for the next revolution. Everyone at the computer shows are buzzing about it, then later it seems like an afterthought. At the Seybold convention in Boston this year, I must have heard the word Java a thousand times. Great, but I can't program Java, as I had not reached superhuman status when last I checked.

Don't worry, the drag and drop Java development tools are in beta, and we shall all feel the healing light of Java's

warm glow. Never mind that it takes five years to load a web page as it is.

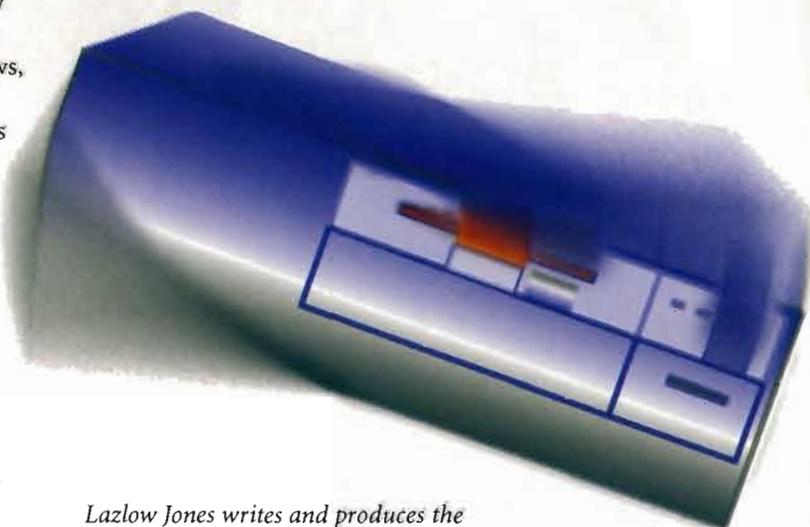
What does get my blood flowing are useful items, like the new Webtalk by Quarterdeck. It's an Internet telephone, full duplex, that sounds great. And as you log onto the Quarterdeck server to meet other folks (no more getting kicked out of IRC) you can see where people are calling from via a nifty map. The program is a little tech heavy upon install, and requires some thinking (which I did none of...I called "tech support man"). Programs like this do create more of a sense of community on the Net, rather than cold type in chat rooms. I give it a higher rating than RealAudio, which never seems to sound right to me.

Some other things that I give a hearty salute to are Web development tools and maintenance programs. Every trade show gushes with eager vendors touting their "wizzy-way" Web page authoring device. But some jump out at you, like Corel Web.Designer and Adobe Sitemill.

But new software titles are slamming the shelves daily.

They're easier to develop, and this subsequently creates a situation for the consumer where dozens of titles exist — all doing the same thing.

In the end, which is now, some reports have shown consumers are becoming wary of new software titles. They're expensive and often troublesome. Many programs, games and utilities just aren't what they're cracked up to be, leaving me out in the front yard with my CPU up on cement blocks, banging on the underside with a wrench, and wondering if I should euthanize my old pal with a final C:\FORMAT C:\



Lazlow Jones writes and produces the *Underground Technofile* for the *Underground Network*, an alternative radio satellite network in New York. The *Technofile* is syndicated on over 47 stations nationwide. Email him at lazlow@undernet.com or check the Web at www.undernet.com.

TCP or Bust — Configuring

I hate computers. There. I finally got this off my chest. Nothing brings more freshly squeezed grief into my life than PCs. But in an age where blaming others is de rigueur, I'm willing to entertain that it's me, not my toilet training, society or the tooth fairy responsible for my urban angst. I blame myself because I foolishly expect computers to work with a minimum of hair pulling, rending of garments and sacrificial offerings to the gods. As I type this (on my notebook) my home office's four systems are all hosed for unknown reasons.

But if my digital arms can't master this techno-junk, what's an online newbie to do faced with the vast task of getting on the Net? First tip: trust no one. Don't believe any promises of whiter teeth, easier connections and instant access. It just isn't real, though I hear that the government has the solution for computing ailments stored in a bunker in New Mexico and refuses to release it for fear of the economic impact.

Second, if you can, always get your <cousin, daughter, neighbor> to waste their time getting you connected rather than doing it yourself. The key to success is delegation. Letting go of your problems is the only way to get ahead. Always has, always will. You think Caesar worried about how chariot races were being scheduled? Hardly.

This concludes the easy part of this session. All those auditing the class should leave at this time.

The Good, The Books and The Ugly

Getting on the Net means dealing with TCP/IP, which stands for Transmission Control Protocol/Internet Protocol. TCP/IP is the lingua franca of the Internet. Unless you recently won the lottery and can afford a T-1 or other high-speed direct connection to the Net you'll also be dealing with PPP, Point-to-Point Protocol. PPP is a means for handling TCP/IP data over serial lines — in other words, over your modem or ISDN connection.

One of the best and easiest to understand overviews of the wide Internet world is *How The Internet Works* by Joshua Eddings, published by ZD Press. It's heavy on the infographics, but supplies a solid round-up for anyone who doesn't know

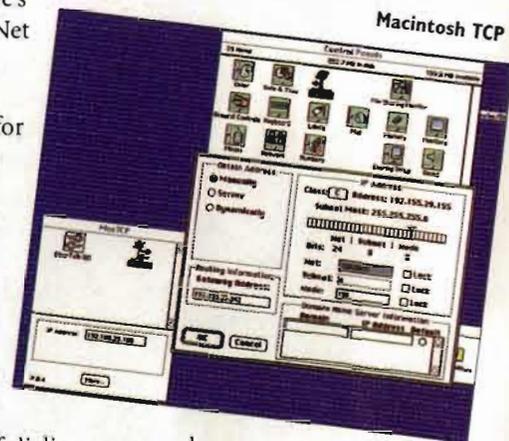
the Internet from a fishing net.

But before you can hook to the Net — via either Windows or Mac — you'll need to have TCP support installed AND a variety of PPP information configured. Each system takes a different approach. In my opinion, Windows 95 is both easier and more flexible for those setting up multiple PPP connections with more than one Internet or online account — but then I'm the one with a room full of downed systems.

On the Mac there's no hooking to the Net without MacTCP, a control panel that adds TCP support for network or dial-up connections.

MacTCP's sidekick, MacPPP is itself a two part production (ConfigPPP, a control panel, and PPP, an extension) which handles the actual dirty work of dialing your modem, running your login script and making the connection. System 7.5 includes MacTCP. Early systems don't.

Although I've used a Mac for over 10 years, MacTCP and ConfigPPP are hardly intuitive. Probably the best explanation of how to configure the duo can be found in *The Macintosh Web Browser Kit* by Dan Meriwether, published by John Wiley & Sons, Inc. The \$29.95 book also includes a CD-ROM of software and tutorial info. The latest System



Mac and Win95 for the Net

**PUT AWAY THE HAMMER
and REACH for your MODEM**

7.5.3 upgrade replaces MacTCP with Apple's Open Transport and fixes a slew of bugs. Though I just downloaded the 14 (count 'em) diskette upgrade, I haven't worked up the nerve to install it — yet.

Attention Win 3.11 users! Win95's built-in TCP/IP is a terrific reason to upgrade. Getting Netted from Win 3.11 usually requires wrestling with Trumpet or some other stack, which is computerese for TCP/IP support. (Quarterdeck's Internet Suite 2.0 includes a very good TCP setup and dialer for Win 3.11 users.) Remember, though, that unless you select Win95's custom install, and add "Dial-Up Networking" you won't be able to get to the Net. You'll also need to add the TCP/IP protocol. If you missed both of these when upgrading to Win95, or your system wasn't set-up with them, head for the Control Panel and double-click on the Network icon. Select protocol, then Microsoft and click on TCP/IP. Win95 will ask for your CD-ROM or specific floppy disk and install the components. Also check to see that you have the "Dial Up Adapter" installed.

Next you'll need to select "Make New Connection" from within the Dial-Up Networking icon, which for some reason is initially buried within the Accessories group. (TIP: create a shortcut for Dial-Up Networking and leave it on the desktop.)

If you're not completely frazzled by now, great! Still, unless you managed to lasso your nephew into setting up your system, it's a whole lot simpler to get a kit that handles all this dirty work. As my grandfather use to say, your poison's easier to swallow if it's premixed.

On the Mac side a slew of books and kits proclaim one-stop access to the Net. I haven't found the perfect solution, but you could do a lot worse than Apple's own Internet Connection Kit or Software Ventures's Internet Valet (<http://www.svc-dudes.com>). Internet Valet includes MacTCP, MacPPP, TurboGopher, Newswatch, Eudora, MicroPhone Telnet, and Enhanced Mosaic. Of course, once you've set up an account through the software, your first stop should be to download Netscape and ditch Mosaic.

The Apple Internet Connection Kit includes Netscape 1.12

(download version 2.0 right away), Claris EMailer Lite, NewsWatcher, Fetch, Stuffit Expander, NCSA Telnet and the Apple Internet Dialer. You can assemble all the functionality of each kit for free yourself, but you need to be online already to do it — a classic Catch-22.

Book Me Outta Here

If information is power, then your local book store is a negative power sink. Whenever I stumble into Barnes and Noble, I'm assaulted by the sheer tonnage of Internet-related books being peddled. It almost seems that four out of five people who've ever been online have written a book about the experience. The predictable result is that most of these tomes are crap.

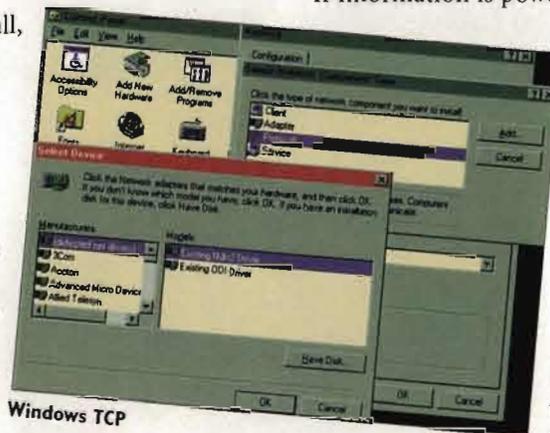
Here's a tip worth about \$30. Don't bother buying any books that simply list page after page of sites. By the time the book appears on the shelf a good percentage of the sites will have moved,

or be gone altogether. Once you're online a quick totter to one of the popular search engines will keep you busy for years, with more accurate results than said books.

Still, nestled among the dross are a few useful volumes out there that can smooth your way. For Windows, take a look at the *Windows 95 Internet Kit* from Microsoft Press. It's small enough to tackle, yet stuffed with info. An updated classic, *The Whole Internet for Windows 95* from O'Reilly & Associates focuses on Microsoft's Internet Explorer, and clearly lays out how to configure Win95 for primo Net surfing. Lastly, *Windows 95 Unleashed*, published by Sams, is a mammoth compendium of Winfo. If it's out there, it's probably in this book.

Despite the hassle, it's worth it in the end. Once online you'll soon wonder how you ever lived without a daily dose of TCP-ing. ■■■■

Rich Santalesa is the Executive Editor of NetGuide Magazine and former founding editor of Windows User.



Windows TCP

8 Things, Small Packages

These days, when so many of us are downloading at 28.8K, we often don't hesitate to download one-megabyte shareware files from our favorite BBSs or online services. But I'm old enough to remember the days when the top speed of my modem and the modems of the services I called was 2400. In those days, I had to think twice about downloading any file over 200K. Still, many of us prefer to wait as little as possible for shareware to download, and it is in this spirit that I put a size restriction on the software reviewed this month, acquiring only those in the 200K or less arena. I think you'll agree that it's simply not true that bigger is always better.

Windows

Poster 2.3A

POSTER23.ZIP
By Bob Bedoll
Poster Software
11002 48th St. E.
Puyallup, WA 98372
Email: PosterSW@aol.com

Remember those banner-making programs that made it possible to create horizontal banners on your continuous-feed paper printer? As ink-jet and laser printers proliferate, the old continuous feed printers are getting tougher and tougher to find these days. But the ability to create long banners and more lives on in Poster.

The program lets you create huge signs, posters, or banners on any printer. Begin by selecting the poster shape: vertical, horizontal, or banner. If necessary, adjust the size of the final



Use Poster to create long banners or huge posters. You print out the pieces on your ink-jet or laser printer and then paste them together for a finished product.

printout (you can make posters up to nine feet long or wide and banners up to nine feet long). Then use Poster's tools and menu commands to type in and format text. Poster supports all installed fonts, sizes, and standard styles. It also offers special effects like 3D type, shadow, subscripts, and colors.

Next, add a border. Poster comes with several simple borders, but you can import others you may have on hand. If you want graphics, too, add them in four different ways: insert an OLE object, paste a graphic from the Windows clipboard, import a BMP or WMF graphic file, or use Poster's drawing tools to draw simple designs. Finally, save and print your finished poster or banner.

A dialog box lets you choose the size you want by selecting one of several fixed sizes, entering a scale factor, or specifying height and width. Poster can print alignment marks to make it a bit easier to paste completed poster or banner sheets together. It also offers three printing methods in case the standard method doesn't produce satisfactory results on your printer. The last step to creating your poster or banner is pasting the printed sheets together.

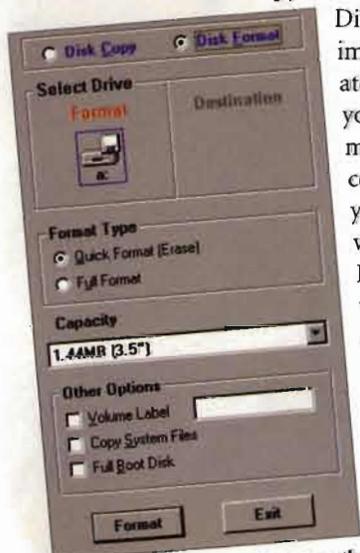
Poster works with Windows 3.1 and Windows 95. And it includes complete online help describing all of its features. Poster is distributed as shareware with a registration fee of \$10. Registered users get unlimited support, upgrades, and a disk filled with borders you can use with Poster.

DiskCopy 3.2

DCOPY32.ZIP
by CT Software
759 Galleon Lane
Elk Grove, IL 60007
Email: RON2222@aol.com

Need a fast way to copy or format floppy disks? Check out DiskCopy. This little 32-bit program formats and duplicates disks quickly and easily.

When you run DiskCopy, it displays a window with all its options. When you choose the Disk Copy option, you can select a source and destination disk. Then click the Copy button.



DiskCopy includes several features that make it quicker to use than other Windows disk duplicating or formatting tools.

DiskCopy immediately asks you how many copies you want. Enter a value, click OK and Viola.

DiskCopy does not do a track by track copy; instead, it copies the directory structure, files, and volume label of the disk. This is quicker and, in most cases, all you need. Since it doesn't need to read the same disk over and over to make multiple copies, it's extremely useful for duplicating disks for distribution in quantity.

When you choose DiskCopy's Disk Format option, additional options become available. Choose Quick Format to quickly erase all files from a previously formatted disk or Full Format to format a disk from scratch. You can also specify disk capacity with a pop-up menu, enter a volume label, copy system files, or create a full boot disk.

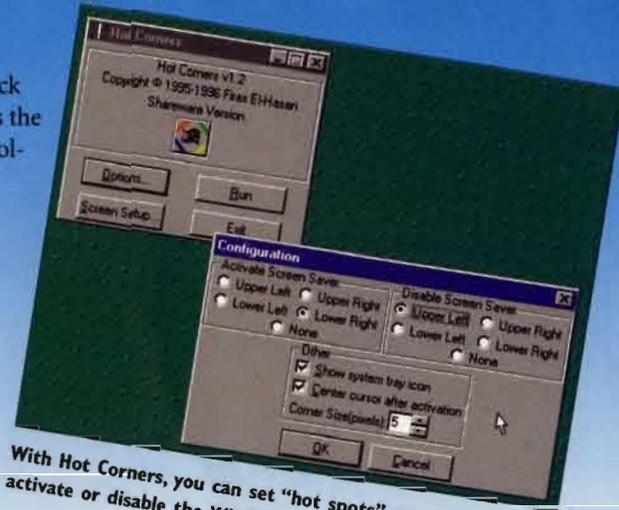
DiskCopy comes with online help that explains how to use it. It is distributed as shareware. If you continue to use it after a 30 day evaluation period, pay the \$10 shareware fee. You'll get a registration code you can use to disable the shareware reminder notices.

Hot Corners 1.2

HOTC.ZIP
By Firas El-Hasan
4137 W. 132nd St.
Hawthorne, CA 90250
Email: FirasE@msn.com

The built-in screen saver capabilities of Windows 95 are good, but they lack one feature you might need: the ability to invoke the screen saver immediately or to quickly disable it. That's where Hot Corners comes in. This little Windows 95 program lets you specify "hot corners" on your screen. Positioning your cursor in one of these corners either activates or disables the screen saver without opening the Display control panel.

Run Hot Corners to configure it and enable the features. Use the Options button to display the main setup options. Choose a corner that will activate the screen saver and another corner to disable it. You can also specify whether you want Hot Corners to show



With Hot Corners, you can set "hot spots" on your screen to activate or disable the Windows screen saver instantly.

the system tray icon or center the cursor after activating the screen saver. If you're worried that the hot corners will interfere with normal computer operations, you can even specify a pixel size for the corners. The smaller you make the corners, the less likely you are to touch them accidentally.

If you'd like to make some adjustments to the way the Display control panel is set up for the screen saver, click Hot Corner's Screen Setup button. This opens the Display control panel to the Screen Saver tab. When you're all finished configuring Hot Corners, click Run. This hides the program and activates its features. If you plan to use Hot Corners regularly, add a shortcut to your StartUp folder so it's launched automatically each time you start your computer.

Hot Corners works well with Windows 95. (It will also work with Windows NT 3.51 if the New Shell Preview Technology is installed.) And it comes with a documentation file that explains how it works.

Hot Corners is distributed as shareware. Try it for up to 30 days before paying a \$10 fee. Registered users get a name and code that disables the shareware reminder screens.

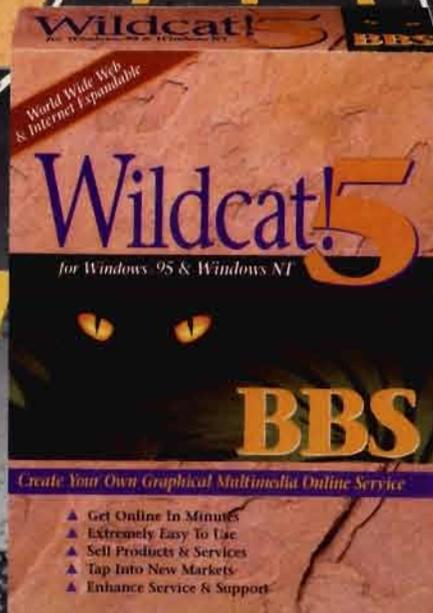
Hot Corners is especially useful if you use the password protection feature of the Windows screen saver to hide your work from others when away from your desk. Now you can simply slide the cursor into the corner of your choice to protect your screen from burn-in as well as from prying eyes.

CONTINUES...

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for Windows® 95 & Windows NT

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July 26-27, 1996
Bakersfield Convention Center
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To register or get more information contact:

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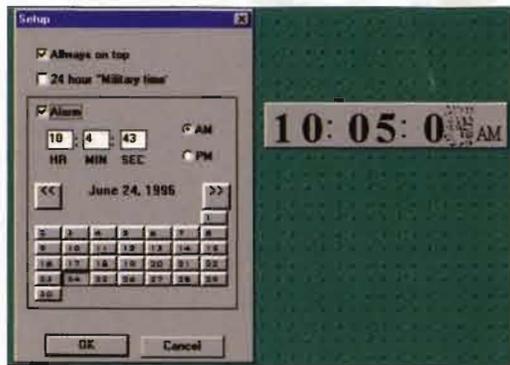
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Scramble Clock puts an animated clock on your screen. Each digit explodes and pieces scramble to form the next digit. Configuration options include the ability to set an alarm.

Scrambling Clock 1.0

SCLOCK.ZIP

by Brian A. Mielke

6899 West Belhaven Drive

Boise, ID 83703

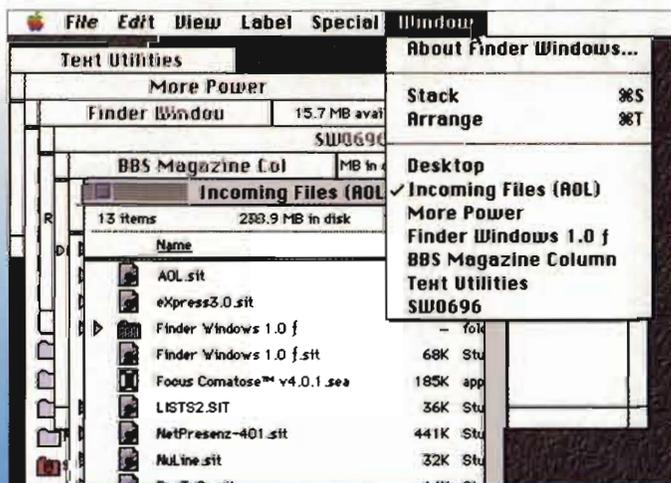
Email: BMielke68@aol.com

Scrambling Clock is a small Windows 95 program that displays the time, in regular or military style, in a window on your screen. The "scrambling" part of its name refers to the way the time changes each second: each digit breaks into pieces that scramble around and reorganize to form the next digit.

Scrambling Clock is simple. Use the installer to install it properly in Windows. Then launch it. The clock appears. Click the right mouse button on the clock to display a small menu. The Setup option displays a window where you can specify whether the clock should always be on top of all windows and/or display military time (24 hour clock). You can also turn on an alarm feature and set the alarm for any day and time.

Scrambling Clock comes with a documentation file that explains how to use it. It requires Windows 95, and both a sound card and a 1024x768 graphics card are recommended.

Scrambling Clock is distributed as shareware. If you continue to use it, pay the \$5 shareware fee to get a registration code that will disable the annoying shareware reminder notices.



Finder Windows adds a handy Windows menu to the Finder. Use it to activate an open window or neatly arrange open windows on the screen.

Macintosh

Finder Windows 1.0

by Graham Herrick

Email: gherrick@kagi.com

I'm one of those people who makes folders within folders for all the applications and files I've got on my hard disks. With two hard disks totaling 1,250 megs of disk space, you can imagine how many files I've got. Of course, to get at those files, I wind up opening an awful lot of windows. The result: a window-cluttered desktop that's nearly impossible to find anything in.

Enter Finder Windows. This neat little extension adds the one Finder feature that Apple seems to have forgotten: a Window menu. Pull down the menu to get a list of all the open windows, including the Desktop. Choose one of the listed windows to have that window come to the top without any digging.

Finder Windows goes one step further in functionality, however, by also providing Stack and Arrange commands. Stack neatly organizes your windows with a cascading effect, putting the active window on top. Arrange tiles your windows on the screen, without resizing them. Either way, windows are easier to find and work with.

Finder Windows comes with a Read Me file that explains how to install it and what it does. It requires System 7 or later. Finder Windows is distributed as shareware. If you decide to keep using it, pay a \$10 shareware fee.

Once you get used to having a handy Window menu in the Finder, I don't think you'll be able to do without it.

eXpress 3.0.0

by Stephen Maas

Laser Point

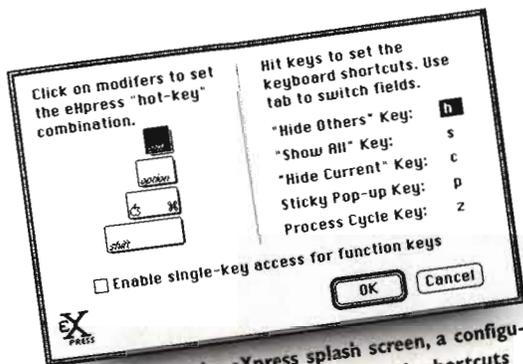
P.O. Box 2378

Watsonville, CA 95077

Email: do485@cwru.edu

The process or Application menu at the far right end of the System 7.x menu bar gives you access to all running applications, as well as some commands to hide applications. While this is handy and makes process switching relatively quick and easy, wouldn't it be nicer if you could use its options without taking your mouse pointer to the menu bar? That's exactly what eXpress offers: the ability to access the Application menu without actually using the menu. Instead, you can set keyboard shortcuts for each of the commands on the menu.

eXpress is an application that, when launched, temporarily installs programming code that modifies the way your system works. To configure it, click the splash screen that appears briefly when it is launched. Then specify the keystrokes that will activate Application menu commands. When you click OK, the keystrokes you specified become operational. If you



When you click the eXpress splash screen, a configuration window appears. Use it to specify shortcuts for application menu options.

put eXpress (or an alias of it) in your Startup Items folder, it will automatically be installed each time you start your Mac.

eXpress is preconfigured with a number of keystrokes. For example, use Control-h to Hide Others, Control-s to Show All, and Control-c to Hide Current. Control-p displays a "sticky pop-up" menu of all running applications; use the arrow keys or mouse pointer to select the application you want and press Return. To simply cycle through all open applications, press Command-z. Any of these keystrokes can be changed to ones you prefer.

eXpress comes with a documentation file that explains how to install, configure and use it.

It is distributed as shareware. Pay the \$10 registration fee to get registration instructions that speed up loading time and remove shareware reminder notices.

Power Windows 1.0.1

by Gregory D. Landwebber
Email: greg@math.harvard.edu

If you've used a Macintosh for any length of time, you've probably noticed how windows appear as you drag them from one location to another on the screen: an outline of the window moves along with your mouse pointer while the window and its contents remain behind. When you release the mouse button, the window shifts to its new position.

Power Windows changes all that. With this little extension installed, the entire window moves as you drag it, leaving a ghost image of the window behind. When you release the mouse button, the ghost image disappears. That's it.

Power Windows requires System 7 or later. (It is compatible with System 7.5.3, which introduces the Translucent Drag Manager for dragging icons.) It comes with an informative ReadMe file that explains what it does and discusses related Mac operations.

Power Windows is distributed as shareware; if you decide to continue using it, pay \$5 to compensate Greg for writing another great interface improvement.

One word of warning: Power Windows performs a very processor-intensive task, one that may be too slow on older Macs. As Greg suggests in his ReadMe file, why not use Power Windows as an excuse to get a newer, faster Mac?

Newton

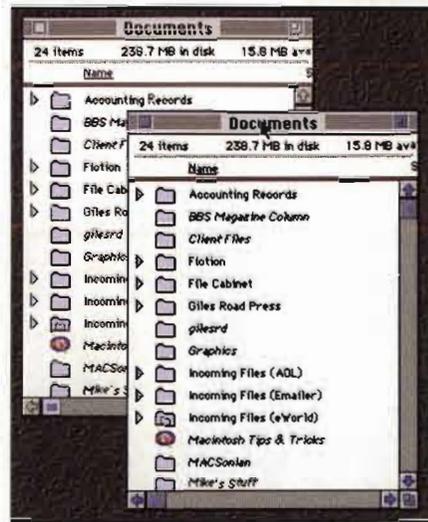
Package Popup 1.0

by Ben Gottlieb and Stand Alone, Inc.
1146 Morse Avenue, #3C
Chicago, IL 60626
Email: info@standalone.com

If you've got a fully loaded Newton, you're probably tired of searching through the Extras drawer each time you want to open your favorite packages. (I know I am.) If so, check out Package Popup, a program that puts the packages you specify within two pen taps.

Once installed, Package Popup adds a tiny icon to the bottom of the Newton screen. Tap it once to display a menu of all installed packages except those in the Storage folder. Tap the package you want to open it. It's as easy as that. Package Popup's menu also adds commands to rotate the Newton screen, restart the Newton, or put the Newton to sleep. That makes these commonly accessed commands just as easy to use.

If you've got lots and lots of packages installed, you're probably imagining a lengthy menu. Put those thoughts aside. Package Popup lets you specify which folder items should appear in its menu. By creating a folder just for the packages you want to appear in the



With Power Windows installed, a window's image moves as you drag it, leaving a ghost of the image behind.

menu, you can create a Newton version of the Macintosh Apple menu or Windows 95 Start menu.

Package Popup comes with a ReadMe file that explains how to install, configure, and use it, as well as a special registration program you can use to register it once you pay the \$15 shareware fee. If you don't pay the shareware fee within 30 days of installation, Package Popup will automatically delete itself from your Newton. How's that for shareware fee enforcement?

Finding These Files

If you can't find these files on your favorite BBS, try mine. The Electronic Pen BBS (201.767.6337) is a two-line FirstClass-based system in Harrington Park, NJ. Connect with the freely distributable FirstClass Client software for a great graphic user interface. Once online, look in the Sharewaring conference folder on your Desktop for all the files recently mentioned in this column.

If you're on the World Wide Web, you can FTP these files from the Giles Road Press Web site. Use your browser to view the URL <http://www.intac.com/~gilesrd/> and link to the Sharewaring page from there.

Maria Langer is a freelance writer and computer consultant who has been running a BBS since 1989. She is the author of 10 computer books, including the recently released PageMill for Macintosh: Visual QuickStart Guide for Peachpit Press. Contact her at MariaL1@aol.com.

Pancake

A TASTY BBS
alternative
without THE FAT

Looking for a host package that offers messaging, Internet access, and won't cost a fortune (who isn't)? If you think finding such a program is like seeking the Holy Grail, it's time to check out Pancake.

Pancake, by Darrell Turner, is a command-line interface/waffle-style host program. Connections are via modem, Internet, and even across an AppleTalk network. File transfers are handled through the Communication Toolbox file transfer tools.

What's especially nice about Pancake is that it doesn't require a lot of memory to operate, is easy to configure and it's cheap — the shareware host program costs a mere \$40 (unlike some that go for \$300-400 per package). Pancake requires System 6.0.5 or later with the Communications Toolbox installed, but also works perfectly with System 7. Version 1.0 comes with three ports: one for local logon for the sysop, and two to setup as needed (TCP/IP, serial or AppleTalk). If you require more, the price is just \$10 per port. Pancake also asks for just 320K of memory to run two to three nodes — see Figure 1.

The look of Pancake is like that of many other CLUI host programs (Figure 2), but the true power behind

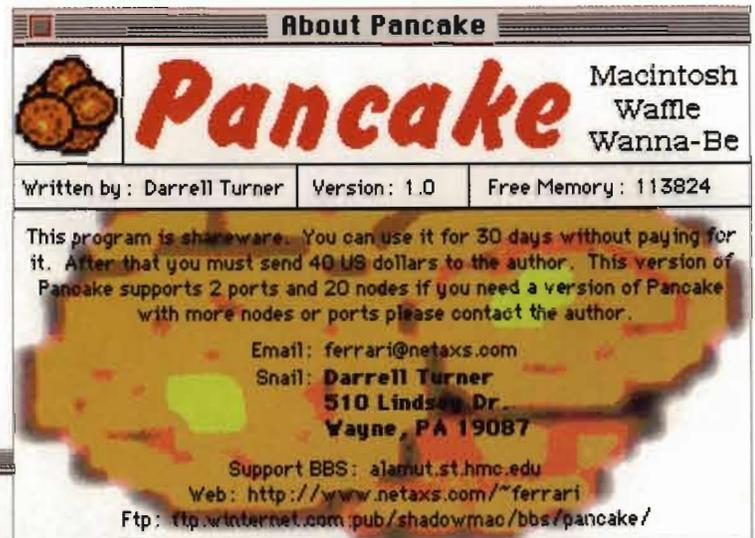


Figure 1

Pancake also has extensive logging facilities with errors appearing in different log files. The use of

the separate error logs is quite helpful in troubleshooting if problems occur by the way. These may be viewed from under the "Special Menu" item within Pancake (Figure 3).

A sysop can configure Pancake to do a lot of useful things (Figure 4). For instance Pancake has a Help folder in which you can put text files offering online help to users on virtually any subject. You can also set your board to limit new users to those who know the "New User Password". This can be extremely useful in limiting new users to only those authorized, even if your phone number has somehow become

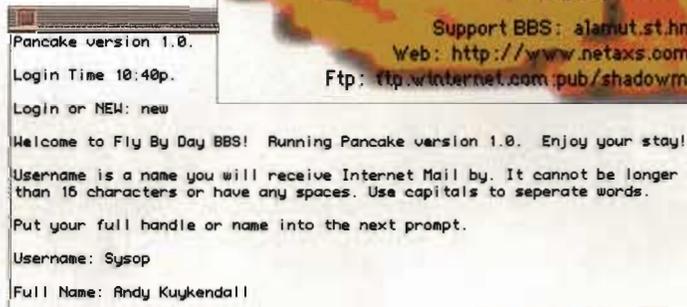


Figure 2

the program lies in the configurability, chat features, and the Internet connectivity that's incorporated.

Sysop-ability

Pancake has lots of bells and whistles when it comes to sysop use and setup of the BBS, offering full screen editing with cut/copy/paste functions, the mentioned local node for sysop use, and even a built in screen saver (which pops up whenever the specified idle time is reached, or the cursor is in the bottom right corner).

local knowledge. And if you were thinking about setting your board up in an area with a lot of foot traffic, there's even a "Local Protection" option that will require a password to do anything more than a local login (preventing any John Doe from making changes to your board).

Pancake has a built-in menu editor (Figure 5), where you can create a hot list of commands that users can use in navigating the board. These commands range from

getting help on command, reading news, taking control over the first available serial port, sending a one-liner to another node, setting up newsgroups to read, requesting a chat with the sysop, playing a selected sound, sending/receiving files with Zmodem, Ymodem and Xmodem, fingering local users, Telnetting to a remote site, and more. The user can also type any of these commands directly in the Waffle shell when calling your board.

In addition, the software allows sysops to use their own terminal program. Pancake has no terminal emulation built in but has the ability to seize the port back from a terminal package after it has quit. The author suggests the use of ZTerm.

Special	
Terminal	⌘T
UUCP	⌘Y
Suck	⌘K
General Log	⌘G
Errors Log	⌘E

Figure 3

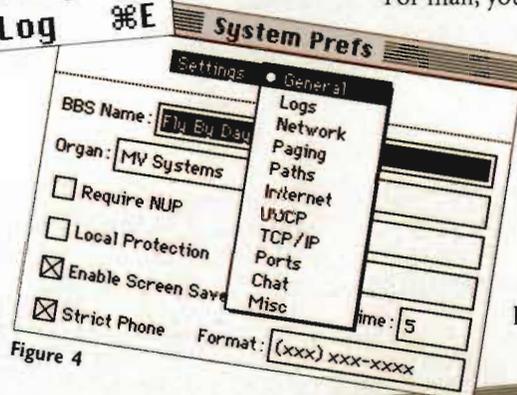


Figure 4

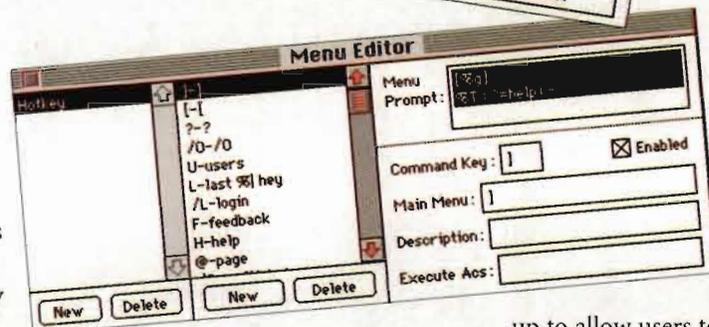


Figure 5

Chit-Chat

Pancake has some interesting features with regards to chatting as well. Aside from allowing chats between nodes (with full-screen two-way chatting), and the ability to send quick one-liners between nodes, Pancake can also trigger any sound installed on the system, and even allow you to set up a special SOS command and sound that allows you to be beeped when there's a problem.

If a user requests a chat with the sysop, and you have the Speech Manager installed, Pancake will speak the reason for the chat request.

A highlight of Pancake is something called "Multi-Chat Actions". Imagine your users typing in a command and getting a reply automatically from the host. An example of this is shown in the following (borrowed from the Pancake documentation):

```
Ferrari > kiss bart
You take Bart into your arms and passionately kiss him.
Ferrari > kill bart
You take out your sword and slice Bart into little tiny pieces.
```

Only two default actions are provided with Pancake, but by modifying STR# 210 you can add more. This sounds pretty fun, and provides an interesting way of dealing with obnoxious people and unwanted foul language on the service.

Internet-ability

For a low-cost shareware program, Pancake has got to have the most built-in Internet capability I've seen for a host program. Pancake supports UUCP Mail in and out, SMTP Mail (out), POP mail retrieval, newsgroups (whose message length is limited only to memory, i.e. binary newsgroups work fine), TCP/IP Telnet in and out, and finger (in and out). It also supports part-time MacPPP connections. Some of the settings for these may be seen in Figure 6.

For mail, you can set Pancake to connect via UUCP or through a POP mail server. Pancake can be set to launch UUCP every hour, two hours, etc., and can be set to either hang up on users when dialing out or wait until all users are off the board. If using the POP mail method, you can configure Pancake so when a user logs into the board it will attempt a POP retrieve from the POP site with the name of that user as the POP name, and the password of the user as the POP password.

As far as newsgroups and messaging, Pancake supports local, Usenet and Fidonet message forums. It can do forward and backward threading, and be set

up to allow users to print to a local printer.

Pancake has two utilities that help with the import/export and sorting of messages — Parse News will sort out any incoming messages via UUCP/Fidonet and export news from Pancake to UUCP/Fidonet software. NNTP Sucker, a Network News importer/exporter that can run in the background leaving the BBS free, allows you to open several connections at one time without significantly affecting the other ports. Like UUCP, the NNTP Sucker can be set to go off at different time intervals, and can hang up on users (or not) when dialing out.

As with other things in this package, you can set access levels for users to determine who can Telnet in and out, receive and send Internet email, etc. You can also set up the headers for all outgoing Internet mail/posts.

CONTINUES...

Numeric Paging?

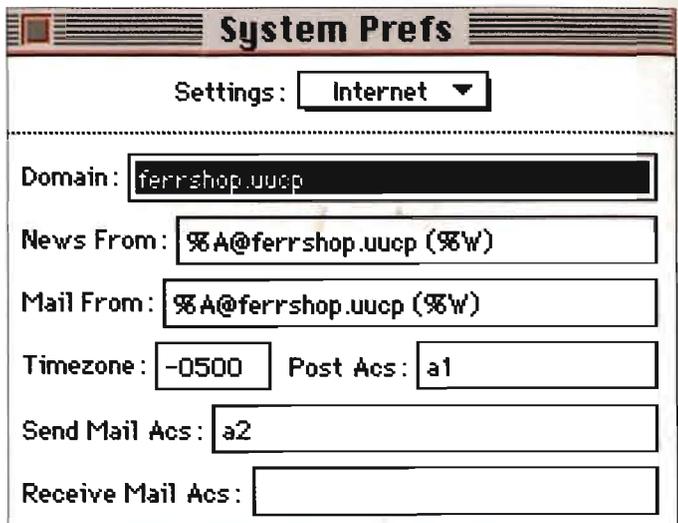
Pancake also has something unique among BBS host software — built-in numeric paging. If you set this option, users can call you on your pager, which will happen automatically as soon as they have logged off the BBS (it uses the modem to dial your paging service; a free node will allow immediate paging). You can even limit who can beep you via access levels, and restrict the number of pages you can receive per day.

Pancake has several aids like Modem Server, which allows any BBS program that supports ASDP to connect to the BBS via modem. There is also a Pancake Development Package, allowing sysops to extend or personalize the software.

Pros and Cons

With all of these great features, you may wonder why everyone doesn't use Pancake. Well, it is a command-line interface with none of the cute graphics found in other packages (though a GUI is something being looked at for a future version of Pancake). Also, Pancake does not yet have a file section! So you can do messaging, chat, etc., but forget about setting up a large files library.

Another disadvantage is that the original author of the program, Darrell Turner (AKA Ferrari), is serving a two-year mission with his church and no email contact will be possible until September of 1997. However, two of Darrell's friends



System Prefs

Settings: **Internet** ▼

Domain:

News From:

Mail From:

Timezone: Post Accs:

Send Mail Accs:

Receive Mail Accs:

Figure 6

(hikaru@netaxs.com and chaesco@netaxs.com) are continuing support and development for Pancake.

So if you are looking for a low-cost entry host package with chat and Internet, Pancake may be worth your time... and your 40 bucks. ☺

Michael A. Kuykendall is a veteran Mac user from the days of 64K ROMs and 400K floppies. Comments may be sent to him through Macintosh Online at 770.822.5929 or email: andykirk@aol.com, mosa3@mindspring.com.

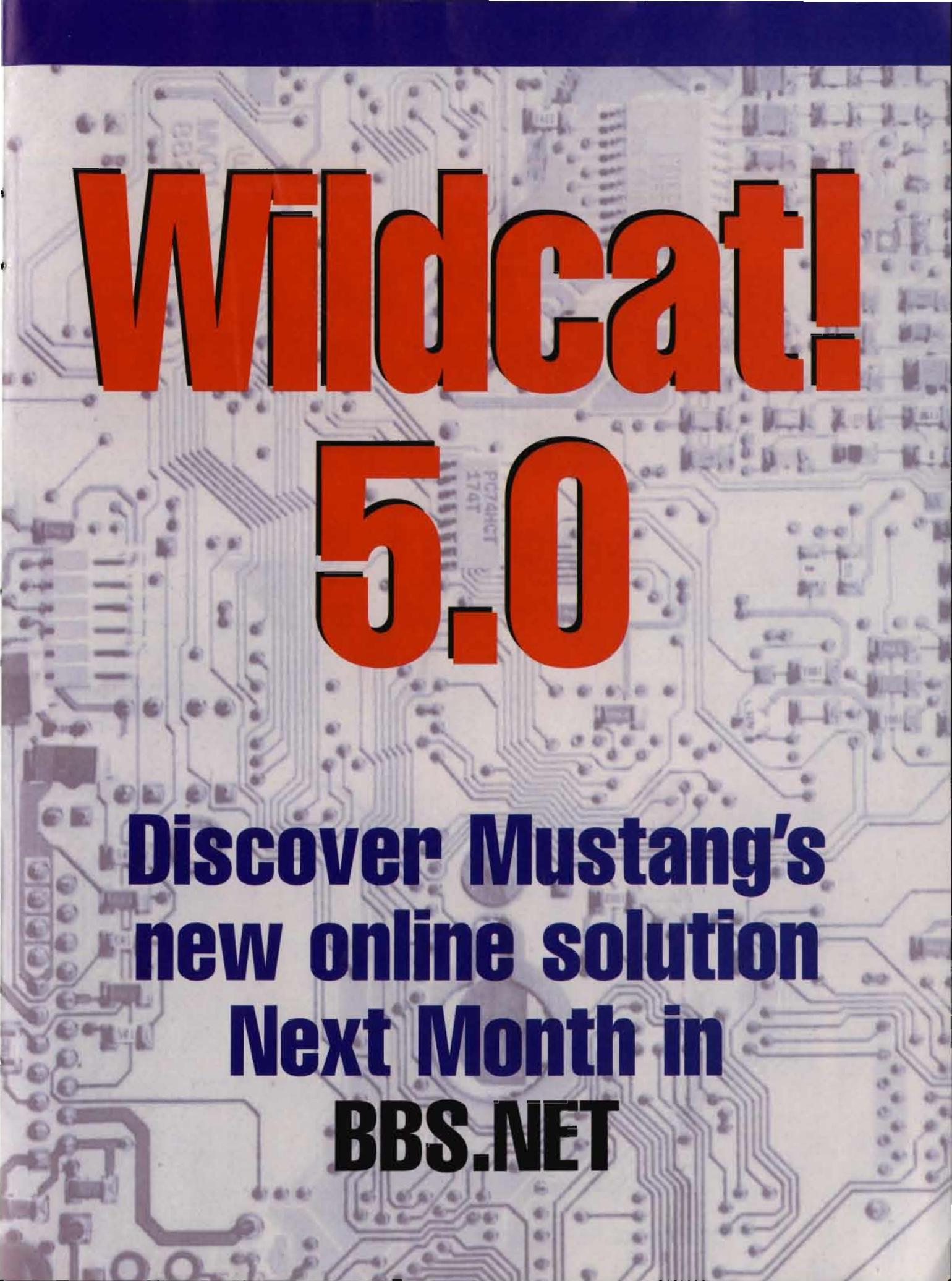
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Wildcat!

5.0

**Discover Mustang's
new online solution
Next Month in
BBS.NET**

Commodores Take the Net

It seems everyone wants to know how to get on the Internet — even the likes of us who use a classic computer like the C64 or C128. The kicker is it isn't very difficult at all. The requirements are similar to those of accessing a BBS, and chances are, if you're reading this magazine, you probably already have the hardware and software you need. After that, it's a matter of finding an Internet provider offering the right stuff for text-based Internet access.

Whoops, did I say a dirty word? Yes, I suppose "text" is a four letter word these days, but keep in mind there's a lot to be said for text. Without it, this article wouldn't exist, and this magazine would be long on flash, but short on substance. So don't knock text. There's still a heap of Internet activity that you can participate in. And if you really need the graphics, you can download them to view offline.

What it Takes...

So what does it take to get your Commodore on the Internet? You'll need a modem — and that can be anything from a slow-going 1200 or 2400 baud job to a screaming 28.8k bps device. Next you'll need terminal software that has either VT100 or ANSI emulation. There are several programs with this ability:

- **Novaterm** — nova95-1.sfx through nova95-4.sfx, plus nova95doc.sfx for the C64.
- **Desterm** — des200-1.sfx through des200-4.sfx for the C128.
- **Dialogue128** (commercial) — available from Creative Micro Designs.
- **ACETerm** — ace15a.sfx through ace15e.sfx, for either the C64 or 128.
- **The Wave** — wavedemo.sfx for the C128 w/ 64K VDC and SwiftLink or compatible cartridge.

ACETerm and The Wave don't yet have file transfer protocols. You can surf the Net with them, but they won't let you download the cool stuff you'll find online.



The next ingredient needed is an Internet Service Provider, or ISP. This is the system you'll be phoning to connect to the Net. Look around for a service that offers "dial-in" accounts. There are MANY BBSs offering more Internet connectivity, so check the boards in your area.

Another type of account we can use is a Unix shell account. Unix is considered by some to be another four-letter word, but it has its uses. When it comes to accessing the Internet with our Commodores, the ability to use Unix utilities offers us plenty of computing power.

If you happen to find a shell account, don't shy away from it, as it gives you the one of the best methods of accessing things on the Net.

Even better, Unix doesn't discriminate against Commodore users — if anything, it gives us far more flexibility. If you find a file zipped with PKZip 2.04g, for instance, you can unzip it before downloading. And you can find help on

.....

About a year ago, the number of Commodore related places on the Net could be counted on both hands. Now they number in the hundreds.

.....

using a Unix system from books and many places on the Net. Here's a few places:

Unix Resources

<http://wwwhost.cc.utexas.edu/cc/services/unix/index.html>

Unix Commands

<http://ux1.cso.uiuc.edu/~kundert/josh/docs/quickunix1.html>

<http://ux1.cso.uiuc.edu/~kundert/josh/docs/quickunix2.html>

The Unix Reference Desk

<http://www.eecs.nwu.edu/unix.html>

Why the Net?

OK, so now you've got an account and you can connect to the Internet.

But what's out there for us specifically? About a year ago, the number of Commodore related places on the Net could be counted on both hands. Now they number in the hundreds. There are email mailing lists, Usenet newsgroups, FTP sites, IRC channels, and hundreds of World-Wide Web sites with Commodore subjects. Fantastic, isn't it? But if you don't know what these are, or how you can access them, it doesn't mean much.

That said, here's a breakdown of what each of these things are and how you can access them:

• **Email Mailing Lists** — A mailing list brings the conversations to your email box, where you can read and reply to the messages (either to the individual or to everyone on the mailing list). There are lists for conversations and others that bring software or text files to your email address. One conversation mailing list is "commodor" (yes, the "e" is missing). This is a world-wide mailing list for general Commodore related conversations. To subscribe to it, send email to listserv@ubvm.cc.buffalo.edu with a message of "subscribe commodor yourfirstname lastname". When you send mail to the list, send it to: commodor@ubvm.cc.buffalo.edu.

Jim Brain offers several services for Commodore users through his mail server, including the ability to have the comp.sys.cbm FAQ files (see "Newsgroups") through email. To use Jim's service, send a message to brain@mail.msen.com with the subject of MAILSERV (uppercase). In the body of the message, type the commands: help (retrieves a list of available commands); catalog (retrieves a list of files available from Jim's service); quit (ignore any text after this command).

To have all nine parts of the comp.sys.cbm FAQ files sent to you via email, send a message to the address above with the same subject (MAILSERV), and in the body of your message, type: send cbm-main-faq.3.1.p*quit.

• **Usenet Newsgroups** — Newsgroups are similar to BBS conferences, where you can read and reply to messages on various topics. Most newsgroups international and unmoderated. The three Commodore related newsgroups are: **comp.sys.cbm**, **comp.binaries.cbm** and **comp.emulators.cbm**.

How do you read the newsgroups? Sometimes, it's as easy as finding a newsgroup you're interested in on your local BBS. On an Internet provider, you may find newsreader utilities such as TIN, RN, or NN that let you read the groups. When you use a newsreader, the messages are "threaded". This means the topic is shown only once and each topics' replies are together with the original message. When you finish reading a message you are moved to the next reply on the same topic. You can exit from reading one topic and move on to another.

Most newsgroups have what is called a "FAQ" file. FAQ stands for Frequently Asked Questions, and the file can be rather enlightening; it's required reading, actually. The comp.sys.cbm newsgroup's FAQ file is posted once a month, and a message detailing where to find it is also posted frequently. There are several ways to get this FAQ file including requesting it via email (see above). No matter how you get the comp.sys.cbm FAQ, however, just get it! It has the most up-to-date Commodore information you can find.

• **FTP** — FTP stands for File Transfer Protocol. It's a way to retrieve files from different places around the world. FTP is a utility program, and the acronym is also used as a verb, to describe the act of getting files. The comp.sys.cbm FAQ file includes the commands you use when using FTP. Essentially, you get files from one site and they're put in your home directory (or someplace else within your access) on your local Internet system. Once it's on your local site, you download it to your computer.

Howard Herman (72560.3467@compuserve.com) keeps the Commodore FTP sites list up to date. You can get the latest copy by sending him email and requesting it, or you can get it from the ccnga.uwaterloo.ca/pub/cbm FTP site. The comp.sys.cbm FAQ files can be FTP'd from the same place.

Here's a partial list of Commodore related FTP sites:

<ftp://ccnga.uwaterloo.ca/pub/cbm>
[ftp://ftp.funet.fi/pub/cbm/...](ftp://ftp.funet.fi/pub/cbm/)
[ftp://pitel_inx.ibk.fnt.hvu.nl/pub/c64/...](ftp://pitel_inx.ibk.fnt.hvu.nl/pub/c64/)
[ftp://dhp.com/pub/c64/...](ftp://dhp.com/pub/c64/)
[ftp://ftp.giga.or.at/pub/c64/...](ftp://ftp.giga.or.at/pub/c64/)
[ftp://bbs.cc.uniud.it/pub/c64/...](ftp://bbs.cc.uniud.it/pub/c64/)
<ftp://hal9000.net.au/pub/cbm>

• **IRC** — IRC stands for Internet Relay Chat. The Commodore chat channel is #c-64. Commodore users and programmers from around the world are on it day and night. Just like FTP,

CONTINUES...

an IRC client is a program your Internet provider likely will offer. Once IRC is started, you type "/join #c-64" to join the Commodore chat channel. You can learn more commands by typing "/help", or you can ask other users online for help.

• **The Web** — The World-Wide Web gives us the ability access data and more with just a click of a button (or in our case, a tap of the return key). To check out te Web, we use a text browser called Lynx. Again, just like IRC or FTP, Lynx is a utility that your Internet provider has online and available for use.

Don't confuse the Internet Lynx with the Commodore program of the same name (the one for compressing files). Another file users have been confusing for a Web browser is the C128 program on FTP sites as "browser2.sfx" and "browserb.zip". These are C128 disk directory browsers, not Web browsers.

Web pages usually include graphics that can be viewed by those who use a graphic Web browser. As of yet, Commodore users don't have such a program, but rumor has it that the GEOS term program "The Wave" will have this when the product is finished. Normally, any pictures displayed to those using a graphic browser were shown to lynx users as either [IMAGE] or with descriptive text like: [Great Photo]. A newer version of Lynx is available that lets you download these graphic files. Ask your system administrator to install Lynx 2-4-FM. It's available from <http://www.wfbr.edu/dir/lynx/>.

When you access the Web, you often need to know where to begin browsing. You've probably noticed a new type of

address (called URL), sprinkled about the pages of this magazine. You can start Lynx with any URL by typing "lynx" followed by an URL. Here are a few URLs that offer Commodore information or camaraderie:

COMP.SYS.CBM FAQ files —

<http://www.msen.com/~brain/faqhome.html>

C64 SLIP Info —

<http://rpool1.rus.uni-stuttgart.de/~etk10217/index.html>

Software Support International Catalogs —

<gopher://gopher.soonet.ca/11%5cCOMPUTERSMITH>

Yahoo CBM Index —

http://beta.yahoo.com/Computers_and_Internet/PCS/Commodore

Craig Bruce's Site —

<http://ccnga.uwaterloo.ca/~csbruce/index.html>

64Net Information —

http://pitel_inx.ibk.fnt.hvu.nl/~highland

Commodore Programming Languages —

<http://vanbc.wimsey.com/~danf/cbm/languages.html>

Color64/128 and Centipede BBS Info —

<http://www.indirect.com/www/wanderer/color.htm>

C-Net 64 DS2 BBS and ComNet Network

<http://www.infinet.com/~mbendure>

Jim Brain's Main US Commodore Site —

<http://www.msen.com/~brain/cbmhome.html>

LOADSTAR Magazine —

<http://www.softdisk.com/comp/loadstar/>

Creative Micro Designs —

<http://www.the-spa.com/cmd/index.html>

Commodore FTP site via the Web —

<ftp://ccnga.uwaterloo.ca/pub/cbm>

Telnet

Telnet is a utility that lets you connect to other systems on the Net, namely BBSs. If you look in the back of this magazine, you'll find hundreds of BBSs that you can Telnet to from your Internet provider. You can use Telnet to connect to another system that offers a feature that your provider doesn't have available, even if that system is on the other side of the world.

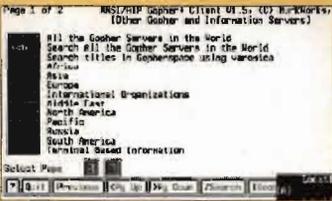
What would you say if I told you there's a Commodore 128 connected to the Internet? Don't believe it? Well, find out for yourself by Telnetting to 147.26.162.107. When prompted to login, type "zelch" and you'll be connected to ZelchNET 128 BBS. ■■■■

Gaelyne Moranec is the author of The Internet for Commodore Users, and surfs the Internet and Fidonet with her C128. Comments or suggestions can be sent to 3:800/809.128, or moranec@hal9000.net.au. Her home page resides at: http://www.msen.com/~brain/guest/Gaelyne_Moranec

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The Movie BBS

Point Blank BBS

U.S. Connect

the bloom county bbs

bbs.notebook

BY STEVE JANAS

The Movie BBS

Sysop: Clarke H. Ulmer, Jr.
BBS Location: New York, N.Y.
Data Access #:
 14.4 bps 718.939.5462
 28.8 bps 718.939.6665
BBS Software: PCBoard 15.1

If it's movies you want, it's movies you got. According to sysop Clarke Ulmer, The Movie BBS has the largest collection of TV and movie-related files in the world. If you're an absolute stickler, you might want to see some independent verification of that claim, but for anyone else who's passionate about movies, this is about as intense a dose as you're going to find anywhere.

Along with thousands of TV/movie themed files — including about 3,000 scans that Clarke and his compatriots have created themselves — the board features chats, databases, and constantly-updated bulletins.

"This BBS was started in 1989," Clarke says, "the main reason being there were no worthwhile movie-related BBSs at that time. I can make that statement because I literally made thousands of calls, and at 2400 baud, no less."

The board that Clarke crafted contains 38 file areas, organized by TV or movie category (science fiction, drama, etc.); there are also file areas devoted to specific actors.

In addition, there are 23 message areas covering a broad variety of topics. Online, you can post messages about, among other things, British TV, the art

of screenwriting, comedy pictures, action pictures, and — inevitably — Star Trek.

"I'm also a devout Trekkie, not Trekker," Clarke says. "I was never embarrassed by that term. The board reflects that also."

An especially noteworthy feature of the board is its collection of customized databases, which allow users to build searches for information about movie stars and star directors. "If you have a question, odds are you can find an answer here," Clarke says.

Over the years, the board has branched out into merchandising. In addition to the three CD-ROMs maintained online (two of them original Movie BBS creations), Clarke sells CD-ROMs, as well as laserdiscs, hats, shirts, buttons, and videotapes.

The board has about 10,000 users on file, Clarke says: "But not all are subscribers since we offer a lot of information for free."

If you want more than basic access, the board's subscription rate structure starts at \$15. All subscribers have full access, Clarke says; the difference in rates is reflected in the number of downloads members are allowed.

The board, which sports five nodes, is run from a sequence of Gateway 2,000 PCs linked together over a Local Area Network. Running it all is PC Board's version 15.1, which Clarke reports offers excellent flexibility with the many databases he has developed.

A software upgrade is on the horizon, however, in order to add Internet connectivity to the mix. Coming soon

will be Telnet capability, as well as a Web site.

"Charges are not yet configured but they will be reasonable," Clarke says.

That will definitely be a good move — it will open up The Movie BBS's files to the millions of Net-cruisers out there. It will be to their benefit — for anyone whose interest in the online world converges with a passion for film, The Movie BBS is essential.

Point Blank BBS

Sysops: Kathi Livornese, John Romano & Joe Hureau
BBS Location: Melville, N.Y.
Data Access #:
 14.4 BPS 516.465.7200
 28.8 BPS 516.393.7500
BBS Software: Galacticomm WorldGroup 1.01

Long Island's Point Blank BBS (winner of the TOP 20 BBSs on the Internet contest, sponsored by this magazine) is actually the side project of a trio of computer professionals whose full-time job is running the Internet access provider with which Point Blank is affiliated.

While the association allows Point Blank's users full Net access (for a fee over and above the cost of subscribing to the board), the arrangement probably doesn't compare favorably, from an economic standpoint, to simply going out and getting yourself a straight SLIP/PPP account.

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But as all BBS aficionados know, the Internet isn't the whole story. Like most BBSs, Point Blank is a destination in and of itself, with a bountiful supply of files, plus chats, message areas and the steady guiding hand of a set of professionals who are not distant administrators, but hands-on users, just like the subscribers themselves.

The three sysops are all connected through Long Island Internet Headquarters, the access site whose T1 line is Point Blank's onramp to the Net. John Romano (who introduces himself simply as "the geek"), has been writing BBS programs since the days when the Atari 800 was the state of the art in home computing.

"Point Blank was started when I was 'between' BBSs and pretty bored," he says. "Boredom no longer plays a role in my life."

Kathi Livornese has also been online one way or another for 15 years. Point Blank is her "pet venture."

"It has brought us both professional and personal joy," she says.

The third sysop, Joe Hureau, handles sales and marketing for the venture, and claims to have founded the first Commodore BBS in New York back in 1981. "I'm a geek, too," he says.

John says the board is intended primarily for entertainment and business applications. The online chats and the Internet connectivity are the board's centerpieces, he says. That, and what he calls "atmosphere."

"We're always giving users things to do," he says. "We have weekly users meets and online contests. Our staff runs the forums and helps play the games."

The board maintains a seven-disk CD-ROM system for shareware applications, as well as 60 file libraries and 150 message bases. "A Usenet system is available also that conceivably can offer another 16,000" John says.

All of this is run from a network of machines linked through TCP/IP and IPX connections. A Pentium file server with 16 megs of RAM and a one-gig hard drive is the workhorse, handling such chores as answering the phones and housing the email, message forums, file libraries and teleconferencing functions.

Another Pentium, with 32 megs of RAM and three 1.2-gig hard drives, acts as the Novell Netware Server. "This is where EVERYTHING is stored," John says. "The main BBS system as well as the file libraries, it's all on here."

Finally, a 486DX66 with 16 megs of RAM runs the board's games.

"Having a separate game server allows us to 'share' our games with other WorldGroup systems on the Internet," John says. "So the games almost always have someone in them to play with."

Instead of devising a hierarchy of access levels, each with its own attendant fee structure, Point Blank charges everyone a flat rate of 35 cents per hour for access. Four hours of Net access costs an additional \$10 per month.

If your preferences veer more toward finding the local scene (in this case, Long Island) online, you really couldn't do much better than Point Blank.

A special note: Point Blank has several dial-ups. Users should leave a note for one of the sysops to advise them on which dial-up they should be using.

U.S. Connect

Sysops: Mike Cibulsky
& Andrew Morgan

BBS Location: Libertyville, IL

Data Access #: 847.680.5133

BBS Software: Hermes 3.5.1

U.S. Connect is a modest but colorful little one-node board run by a pair of harried 15 year-old high school students, who say they make time for it in between football practice, track meets and a myriad other teen-age pursuits.

Aside from being directed mostly toward young people, the board is noteworthy for being a Macintosh-based BBS that runs something other than the FirstClass client-server system. Sysop Mike Cibulsky, who runs the board with his friend Andrew Morgan, says he is quite happy with Hermes software.

"I chose it because, first off, there are little choices in the way of BBS software for Macintosh's," he says. "Second, I likes Hermes' message base and easy-

to-use configuration. It is also very sysop- and user-friendly."

Mike says he first got bit by the BBS bug after seeing the 1980s techno-thriller "War Games," and decided that he wanted a modem to hack into a government computer just like actor Matthew Broderick.

"My friend Andrew already had one," he says. "So I went to his house one week when school was canceled because of snow, and we called a computer store and asked for a BBS number. He gave us one, and it was long distance, but for some reason we thought since it was not a voice phone call it wouldn't cost anything. Well, \$250 of our parents' money later, we found out about BBSs and long-distance phone calls."

With that edifying experience behind them, Mike and Andrew proceeded to set up a very serviceable local board. They run it from Mike's Macintosh LC II, with a modest 20-meg hard drive and a Hayes Accura 144 modem. The system includes six file areas, which contain mostly games geared for both Mac and PC formats, and 17 message areas. Mike says he believes the board provides a decent range of services for a free board.

"Most free boards keep you as a guest until you send a donation," he says. "We give you full access for nothing. All I ask is that you post and participate."

The average age of the approximately 70 regular users is pretty much confined to the lower end of the 15-30 range. A brief survey of the messages reveals a host of high school-age concerns, information about bands and rock concerts and that sort of thing. There is, however, meatier fare as well. Among the conferences are discussions of the presidential campaign, including conferences set up specifically for Democrats and Republicans, and conferences on the environment.

Mike and Andrew offer three levels of access to their system, which differ only in the amount of time a user can spend online.

"To become a Gold user (the highest access level) you must have uploaded a lot and contributed to our message base enough that I consider you a

REALLY great user," Mike says. "All that Gold users have is more time and a cool access level name."

As might be expected, Internet connectivity is a distant goal at this point.

"I think we will have to grow more and I will have to get a lot more donations," Mike says. "But I will never, EVER charge for use of U.S. Connect! That would undermine our whole Philosophy."

Amen.

the bloom county bbs

Sysop: Gary Gilmore
BBS Location: Dearborn, MI
Data Access #: 313.582.0808
BBS Software: Maximus v. 3.01

Michigan's bloom county bbs (always referred to in lower case, thank you very much) is a great find in the BBS world: hundreds of file and message areas (sysop Gary "Bill the Cat" Gilmore has, quite frankly, lost count), Internet e-mail, and a sysop who makes a point of being gentle with newbies, all for free.

But first, about that name, appropriated — with all due respect — from cartoonist Berke Breathed's hugely popular 1980's comic strips: "They were a scream, and very pointed as well," says Gary. They pointed out life's little funnies, and poked fun at almost everyone and everything. I liked that. It didn't even take itself seriously. It always made me laugh, or at least think, and when it came time to name my BBS, it was a natural.

A concert roadie who has spent time on the road with the likes of the rock band Bad Company, Gary founded his BBS for a reason that's all too commonplace: online arrogance shown by the experienced users towards the less experienced.

He says he was "sick of calling other BBSs and being treated like I was an idiot just because I was new. I decided that I'd just do my own BBS, where everyone was welcomed, no matter their computer, knowledge level, or other factors. I try to offer users a nice, safe place to hang out and enjoy themselves."

The safe haven Gary crafted is a comprehensive and eclectic mix of files and message areas. Gary says users in search of applications for Windows '95 in particular should make a point of stopping by, as the board is the home base of the W32_FDN Windows '95 file echo.

"We get new Win95 files and hatch them out to other BBSs around the world," Gary says. "Which means we, of course, have them first. Many users seem to like that."

The board is also home to five Fidonet message echos, as well as a message echo for Maximus Software, the freeware BBS software that runs the board (Gary actually keeps close ties to the company; he is on the beta-test team for new products).

"(It's) easy for the users to operate, very easy to configure and modify (even while in operation), and I just liked its feel," Gary says.

He says there are "a few hundred, at least" file areas, and about 100 message areas.

"I only pick ones that I know the users really want to read," he says. "I don't carry 'everything,' because it just makes it more confusing to the user, especially new ones. If a user specifically asks me for an area they're interested in, I'll add it the next day."

Despite the board's status as a free BBS, Gary maintains two levels of access. "Validated users get access to the whole enchilada," he says. "Donating users get the whole enchilada, plus the use of node two. I hold nothing back from non-donors, other than that."

Validation is just a matter of filling out the log-in questionnaire. "No hoops to jump through," Gary says. "I hate that as a user, so I figure others do, too."

The system resides on a single Pentium PC equipped with 32 megs of RAM. The files are kept on a capacious set of three 1.2-gig hard drives. The file capacity is supplemented by 15 online CD-ROMS.

While Gary takes pains to create a well-equipped and versatile BBS for his users, he says he doesn't aim it at any particular type of user.

"We cater to those that want to read some messages, play a few games, and get some new files for their system," he says. "In short, to use their computer and modem for what a BBS was meant for... to enhance their computing usage."

Writer Steve Janas can be reached at sjanas@voicenet.com

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File Viewer - Let users scroll up down and keyword search any length textfile on your bbs.	\$79
Accounting Automation - Accept 900#, Credit Cards and other forms of payment.	\$39
Anonymous Teleconference - Nobody knows who said what in this teleconference.	\$49
Colorific - Let your users color coordinate messages, registries, pages, whispers and more.	\$25
Credit Exchange - Allow users to swap days for credits or credits for days, totally flexible.	\$39
Dual Password Security - Give users a second password for certain areas of your bbs.	\$39
Executive Informer - Send News, Bulk Email by key, class, sex, age & more.	\$49
Global Teleconference - Talk in 36 channels at the same time from anywhere.	\$49
Graffiti Wall - Our colorful Graffiti Wall is globally accessible for extra usage.	\$15
Modem-To-Modem - Play modem to modem games or transfer files directly to users	\$29
No! Keys - Negate the effects of keys in personal or class keyrings - give to users or classes	\$49
Major Pager - Let users make their beeper go off when receiving email, pages and more!	\$79
Ultra Globals - The most useful package of globals available, many unique features.	\$79
World Wide War - formerly World Conquest. strategy game of world domination.	\$139
Autopost - Leave a message for the next user, can hold configurable # of messages.	\$15
Cybortech - Futuristic role playing text adventure, over 400 rooms, player combat	\$79
Forbidden Lands I - The City of Falchon, over 300 rooms to explore, D&D Style Game	\$79
Forbidden Lands II - The Vale of Grimyre, over 500 rooms and over 120 monster types	\$79
Forbidden Lands III - The Islands of Dawn, over 600 rooms and configurable quests	\$79
EZ-Mailer - Send all new signups a flyer in the mail automatically!	\$79
Choke - Graphical word game: save the sysop from being choked! Expandable dictionary	\$99
Star Market - Build trading companies in space and then purchase stock to make profit.	\$129
Online Menu Tree Editor - Edit menuing system without taking system offline	\$89
Who Cares? - Control what gets posted to your audit trail.	\$29
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Developing a Web Site

**OUR WRITER STARTS FROM SCRATCH
AND TAKES US ALONG FOR THE RIDE.**

I am not a Unix-enthusiast, bit-head, or a hard core Web-crunder like many chroniclers of the digital age. I'm a writer with enough Internet experience to get by (well, we'll see) and enough empathy to slow down for absolute beginners — which makes this column something of an experiment aimed at newcomers and those who just want an inside track on how to launch a Web site.

I will be constructing a small business Web site from scratch, and will share with you the triumphs — and inevitable pitfalls — as I stumble along the World-Wide Web learning curve. And I'm hoping you'll learn something from my experience as I move from Wannabe to Webmaster.

Getting My Feet Wet

To start my endeavor, I decided to attend one of the many Internet conferences to see what opportunities the Web has to offer. As I walked on to the showroom floor it wasn't long before I was overwhelmed by the vast amount of information available and all the different Internet products and services. After the first day of culture shock, which left me trying to figure out the difference between a POP and POP3, I finally started to feel more comfortable. POP, by the way, is an acronym for Point Of Presence, and POP3 is Post Office Protocol Version 3, neither of which will we need to cover this month, so just roll with me for now.

After three days of digesting the Web for breakfast, lunch and dinner, I came home with an oversized plastic shopping bag of marketing fluff, and enough free disks of AOL, Prodigy, and CompuServe trial hours to last me till retirement. More importantly, though, I gained a general idea of what the Web is capable of and what step I should take to position myself in this promising technology. Sure, mastering the Web is like learning a new language, and it takes time, but you don't have to traverse many Web pages to witness the benefits.

Getting Booked

To start out on the right foot I invested most of my first month's time in books. One helpful tome that gave me a basic overview of marketing Web Sites was *Marketing on the Internet*, by Jill and

Matthew Ellsworth. Another book I would highly recommend is Laura Lemay's *Teach Yourself Web Publishing with HTML in 14 Days* (<http://slack.lne.com/lemay>). This book is the bible for new Web page designers and covers everything you need to know from A to Z.

I spent 30 days reading the book and going over the examples. (I know it says 14 days, but trust me, to really learn HTML you should complete all the examples and take good notes for later.) The book is also a good reference manual for tags, FYI, hints, and working examples. It also comes with a

ILC Glossary of Internet Terms

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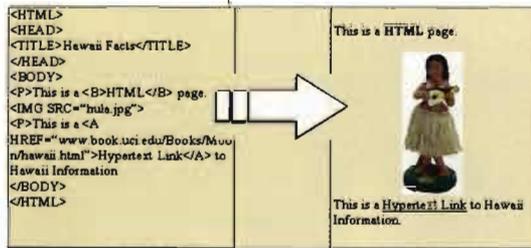
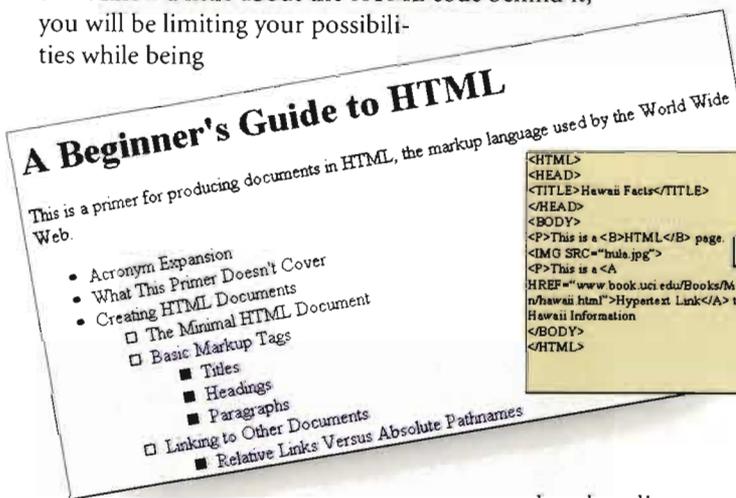
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I will be constructing a small business Web site from scratch, and will share with you the triumphs — and inevitable pitfalls — as I stumble along the World-Wide Web learning curve.

CDROM full of Web utilities, examples from the book, image and editing tools, and just about everything else you could possibly need.

I know there is a plethora of authoring tools on the market that will help with HTML tags (tags are part of the language you'll be learning), or even allow WYSIWYG (What You See Is What You Get) type editing, but I'm a strong believer in going through basic training with raw HTML first — this'll give a firm foundation for the future. Besides, most editors are still in their infancy and if you rely solely on the software, and don't know a little about the HTML code behind it, you will be limiting your possibilities while being



The whole process was pretty quick and painless, and I now had access to the Web and my own mail box to send and receive email. Very cool.

Learning the Links

The quickest way to learn how to ride a bike is to jump on, fall off, and jump back on. I figured the principle might hold true for the Web as well, so I jumped on and learned to ride pretty well right away. It wasn't long before I was learning the ropes of online culture — it's quite easy to become a part of it, actually; get a PPP connection/dial a BBS and you're there. Soon I was visiting lots of people more than willing to help a newbie (uh, that would be me). Internet Relay Chat, Forums, and email are your friends. I learned terminology, made instant friends, and picked up some good tips. The Internet can be very addictive, so make sure you don't have dinner in the oven when you dial in.

After attending the conference, reading my stack of Web books, writing sample Web pages for practice, and surfing around, I figured it was finally time to find a subject or service to offer on my Web site-to-be. Next month I will seek out a service to offer on my Web Site, and start to develop a plan of action.

While Steve Griswold is not working on a Masters in MIS he spends his free time installing beta helper apps on his browser and watching them mutilate each other. Contact him at steveg@gate.net

wed to the editor.

Save yourself problems later and

learn the code first, then look for an editor to speed

things up.

To complete the lessons in Laura's book I didn't even need a connection to the Internet. My favorite Windows editor, NotePad, and a Web browser (Netscape) was all I needed before I was authoring content. But the real fun of the Web is to be able to share your work with others, so I signed up with a local Internet Service Provider (ISP), for \$20 a month, which gave me an outgoing connection...a sort of library card to the world.

The ISP called it a PPP account — Point to Point Protocol — most well known as a protocol that allows you to use a regular telephone line and your modem to connect to the Internet. Some of you might end up with a SLIP account, which is OK, too, although PPP is replacing SLIP in most areas.

After some minimal configuration to my modem settings, I dialed up the number given me by my ISP and was connected right away.

Hot Reference Links:

Calendar of Web Events and Conferences:

http://www.cio.com/WebMaster/wm_calendar.html

Glossary of Internet Terms:

<http://www.matisse.net/files/glossary.html>

A Beginner's Guide to HTML:

<http://www.ncsa.uiuc.edu/General/Internet/WWW/HTMLPrimer.html>

A Guide to Cyberspace:

http://www.eit.com/web/www_guide/

Laura Lemay's Teach Yourself Web Publishing:

<http://slack.ine.com/lemay>

The A-List

To check out the A-list on the Web, go to <http://www.channel1.com/usbbs/home>

If you're a sysop and would like to be considered for the list, contact one of the following sites. Posting to the USBBS List at these sites will place you on the A-List.

BOBsBBS — 916.929.7511

Livewire/CD SUB — Download CDSUB.ZIP from The Livewire BBS (BBS Magazine's support board) at 609.235.5297 and register the CD SUB Door program for a permanent listing.

FTP — Download US PUB103.ZIP from oak.oakland.edu, create USBBS.DAT and send the completed file to BOBsBBS or update@bobsbbs.uucp.netcom.com.

Call 609.953.9110 (voice) for help.

Derived from the USBBSLIST.

LEGEND

BBS TYPE	BAUD	MODULATION	SIZE	NODES	SUBSCRIPTION	INTERNET FEAT.
B	29	D	50+	3	\$	3

BBS TYPE
A = Auntie
B = PCBoard
C = Phoenix/Colina/Colosus
D = dBBS
F = Spitfire
G = GAP
H = PC-Host
I = TriBBS
J = SuperBBS
L = Telegard
M = OraComm/Major/Galacticomm
N = Genesis Deluxe
O = Opus/Maximus
P = GT PowerComm
Q = QuickBBS/RemoteAccess
R = RBBS
S = Searchlight
T = TBBS or TCOMM
U = UltraBBS
V = WWIV
W = Wildcat
X = BBS-PC, RyBBS, ROS, Fido, Citadel, Osiris, etc. or custom, unverified or unknown type
Y = T.A.G.
Z = TPBoard

BAUD
0 = 300
1 = 1200
2 = 2400
9 = 9600 or faster

MODULATION TYPE
V = V.32 or V.32bis
U = USRobotics HST
H = Hayes VSM
F = V.Fast, V.34 (1/25/95)
O = Other proprietary method
D = USRobotics Dual Standard (V32 and HST)
B = Hayes Ultra (V32 and VSM)

SIZE
Indicated in 100s of megs.
+ = CD-ROM.

NODES
Number of lines

SUBSCRIPTION
\$ = subscription; blank = FREE

INTERNET FEATURES	
SERVICES	CODE
Mail	X X X X X X X X X X
Usenet	X X X X X X X X
FTP	X X X X X X X X
Telnet	X X X X X X X X

MINIMUM REQUIREMENTS
Must support 2400 bps or greater
100 MB of disk capacity
24hr/7 day service
Sysop must give REAL NAME

201-209-6649 NJ Ogdensburg
Power Surge Matthew Black
 Files and Doors
 G 09 V 200 1

201-501-8431 NJ Dumont
Bill's Garage Bill Modica
 Online games & files — Free
 F 29 B 11+ 1

201-614-8732 NJ Clifton
Psi-Kick Michael Earner
 Occult, Psychology, Politics
 W 19 V 14 1

201-641-5375 NJ Little Ferry
Waterside BBS Darrin Hentze
 Files, Messages, Doors
 W 99 F 21+ 1

201-796-2535 NJ Glen Rock
Consent Adults C. Corleone
 Chat (Adult)
 M 19 V 200+ 16 \$ 3

201-875-2736 NJ Augusta
DEL-BBS Doug Bradfield
 General
 X 19 F 13+ 3 3

201-896-1500 NJ Carlstadt
NAEMT BBS Kevin Agard
 Emergency Medical Services
 W 29 FF 11 2 3

202-635-1755 DC Washington
Capital City Rod Pinnick
 Internet, Entertainment, Chat
 M 09 FD 20 26 F

203-624-7826 CT North Haven
Cyberworld Ed Giaimo
 Windows 95, Games, Graphics
 X 99 FV 50+ 2 \$

203-761-9097 CT Wilton
Dark Star Data Steve Waite
 Sportsmen, Ham, Adult, Gun
 X 29 F 3+ 1

204-958-7280 MB Winnipeg
Wpg PC UG Bob Snyder
 Local User Group
 B 09 V 16+ 10 \$ 3

205-447-2442 AL Rockrun
Rocky's Rag BBS Lee Slate
 Games, User Friendly
 F 29 F 11+ 2

205-890-0280 AL Huntsville
Huntsville OnLine Bill Hughes
 Real Estate, Jobs, Newcomer Info
 X 29 VF 11 6

206-355-2976 WA Everett
Mail Post One Michael McShane
 Gaming, Christian-Based
 B 29 VO 7+ 1

206-361-2235 WR Seattle
FFA-BBS Jim New
 Sovereignty Education
 W 29 VO 14+ 1

206-536-0000 WA Tacoma
Infrared Rose Joe Witenagemot
 Free Total Access
 M 99 F 20+ 25

207-873-1937 ME Winslow
Bits N' Bytes Anne Arnold
 Info, Games, Files & Internet
 W 19 V 900+ 2 \$ 3

207-945-9901 ME Bangor
IDC BBS Ken Kimball
 Business/Family
 X 09 WV 10+ 2 3

208-327-9916 ID Boise
The Bodhi Tree Kim Day
 Buddhism
 X 29 V 8 1 7

209-277-7979 CA Fresno
LegacyInternet Sean Rutledge
 Internet Surfing, Chat
 M 09 FV 10 54 F

210-233-3312 TX Los Fresnos
Newberry BBS Ken Anderson
 Support for KA_Soft.
 B 29 VF 12+ 2 \$

210-490-7231 TX San Antonio
SA OnLine Cris Montgomery
 Real Estate, Jobs, Business
 M 09 FB 16+ 4 \$

213-261-8055 CA Los Angeles
Wonderful Daniel Barcenas
 Shareware, Mail, Games
 W 29 F 30+ 4 \$ 3

214-680-2461 TX Richardson
Computer Connx F. Osborne
 General BBS, Outdoors, Health
 P 09 V 4+ 1

215-321-6877 PA Yardley
Forest Jonathan Algazi
 Adult, Shareware
 B 19 FV 23+ 2

215-883-1900 PA Philadelphia
Onix BBS Jeff Miller
 Entertainment, Chat, Internet
 M 99 DF 25 38 \$ F

215-923-8925 PA Philadelphia
Law-Link(tm) Sean Robins
 All things law & genealogy
 F 19 V 8 1

216-296-3267 OH Ravenna
Best Bytes Mike Campbell
 Games, Utilities, Updates
 B 29 F 18 1

216-381-3320 OH Cleveland
PC-Ohio Norm Henke
 "The Best BBS in America"
 B 29 VF 250+ 52 \$ F

216-721-9991 OH Cleveland
Arpeggio BBS Kijin Jung
 MIDI Sequencing & Music
 L 29 V 12+ 1

218-326-4205 MN Grand Rapids
Blue Sky BBS Jack Blue
 Business & Family Oriented
 W 09 FD 96+ 3 \$ 3

218-829-6340 MN Merrifield
Merrifield PC Gilbert Pence
 Shareware
 G 29 V 100+ 1 1

219-486-9078 IN Ft. Wayne
Mystic Knights C. Washler
 Adult BBS, Mature Discussion
 R 19 B 5 1

219-693-1714 IN Churubusco
WILD SIDE Bruce Wizenman
 IBM, OS/2, Fidonet Conferences
 F 29 VF 54+ 1

219-696-3415 IN Lowell
Toolkit BBS Ken Prevo
 Programming — Power Users
 B 29 B 16+ 1

219-873-1949 IN Michigan Cit
MikesHost Michael Hoffman
 RIME Echomail, Online Games
 X 19 V 19+ 1

301-353-1003 Md Germantown
Pete's Place Pete Raumann
 Email, Files, Games and Chat
 W 19 FF 45+ 2 3

301-417-9341 MD Gaithersburg
Artificial Hor Scott MacLean
 Aviation, Programming
 X 29 FD 5+ 2 3

301-881-4731 MD Rockville
TechNet BBS Robert Scott
 Game Connection, Modern Games
 M 29 BU 100+ 16 \$ 3

301-994-9460 MD Patuxent
Hafa Adai Todd Cochrane
 Files, Networks, Genealogy, Health
 W 29 VF 400+ 25 \$ F

302-836-6246 DE Bear
Obsession BBS Bob Chalmers
 Echomail, Current Files
 F 29 D 14 1

303-337-5286 CO Aurora
Valhalla Erik Essmaker
 Games, Files, Good Times
 W 09 V 9+ 1

303-429-8914 CO Westminster
Roman Catacomb Greg Shaw
 Linux and Rocat BBS Support.
 X 19 FV 92+ 2 3

303-480-2090 CO Denver
TwI. Ale House Stephen Trumble
 Homebrewing, Files, Games.
 X 09 V 2 1

303-693-9263 CO Aurora
Berean ConXion John Dibble
 Christian Oriented
 W 19 VF 28+ 3

305-258-3483 FL Princeton
Blue Water BBS Dan Bernasconi
 Mindless Entertainment!
 W 99 D 18+ 1

307-464-1351 WY Wright
LightningFlats Mike Hansen
 Door Game Files, Conferences
 W 29 H 6 1

309-341-0042 IL Galesburg
LDT-NIS Al Hakim Abdull
 LDMail, Files, Shopping, Software
 B 29 VF 14+ 1 \$ F

309-836-1432 IL Macomb
Rod's Place Rod Rouse
 Files, Messages, Door Games
 W 29 V 10 1

The A-List

310-815-0117 CA Culver City
MPB Jack Stern
 Entertainment, Games, Chat
 M 09 VF 40+ 44 \$ F

310-831-6775 CA San Pedro
Health Info Jerome Dorsey
 "Your Online Health Community"
 T 09 FD 17 5 3

310-986-9705 CA Signal Hill
Millenia Brian Andrus
 Internet Access, Beginners
 X 29 OF 99+ 16 \$ F

312-534-5588 IL Chicago
Lane Tech Avrom Litin
 High School Alumni & Student
 W 09 D 3 1

312-665-7319 IL Chicago
HOME AGAIN! William Johnson
 Free Access, Internet Email
 B 09 FV 36+ 2 3

312-777-9480 IL Chicago
Roundtable Kevin Keyser
 "Home Of The Poets Corner"
 S 09 D 13+ 2 3

313-388-7675 MI Lincoln Park
Logic Control Charles Adkins
 Ham Radio, SWL, CB
 Y 09 DF 5+ 1

313-427-4158 MI Garden City
Short Circuit2 Craig Dobis
 Family, Online Games, Shareware
 W 29 F 5+ 2

314-443-2391 MO Columbia
IWLA 2X4 BBS Kim Palmer
 Fishing, Games, Files, OS Support
 X 09 D 143+ 2

316-263-2563 KS Wichita
The Lost Dog Larry Friend
 Animal Lovers
 S 29 F 5 1

316-788-0412 KS Derby
Sci-Fi Scene Allen Graham
 Files, Games, VGA Planet Host
 W 29 V 1+ 1

317-273-9666 IN Indianapolis
Megasphere Adam Pedersen
 Multiplayer Doom & Other Games
 M 29 OF 17+ 8

317-328-9885 IN Indianapolis
DOOMERS LAIR Kevin Swing
 Doom2/Doom/Hexen File Base
 X 29 B 13+ 1

317-562-1882 IN Indianapolis
1st Amendment John Aikin
 First Amendment Questions
 W 29 FV 14+ 4 \$

317-742-4426 IN Lafayette
Cyberdelic Terry Johnson
 Conspiracy
 X 09 V 17+ 10 \$ F

317-984-9199 IN Noblesville
dragon breath Jay Ploughe
 Shareware Games, Comm, Hobby
 X 29 FV 72+ 1 1

319-236-0279 Ia Waterloo
Oculus Sinistr Rod Pilcher
 Games, Files
 F 19 F 7+ 1

319-243-7685 IA Clinton
The Magic Man Dave Hereid
 Mail and Door Games
 S 09 UV 8+ 3 1

319-438-1921 IA Central City
Aardvark's BBS Keith Sippy
 Astronomy, Imaging, OS/2
 O 19 D 130 2 \$ 1

330-345-5623 OH Wooster
CJB's BBS Chris Butdorf
 Doors, Files, Mail & More!
 F 09 F 40+ 1

334-277-3889 AL Montgomery
Montgomery PCUG Jerald Conway
 Family Oriented; Novices Welcome
 Q 09 V 5 1

334-460-0860 AL Mobile
Marsh Dragon "Drex" Hasam
 RPG's Chat and Files
 M 09 V 8 3 \$

352-337-1354 FL Gainesville
FloridaNet! Tommy Orndorf
 Florida Entertainment
 W 99 D 14+ 5 1

352-854-0262 FL Ocala
Megachips BBS Ken Gee
 General Interest - Divrsity
 W 29 F 99+ 4 2

404-505-9116 GA Atlanta
Ragsy's Dream Eric Ragsdale
 Family, Relationships, Open Talk
 X 29 V 14+ 1

405-340-6023 OK Edmond
Computer Parts Ken Morris
 Used Computer Systems & Parts
 R 19 F 350 1

405-372-1421 OK Stillwater
Car 54 Don Vogt
 General - Law Enforcement
 B 99 F 10+ 2 3

405-670-1367 OK Oklahoma City
Shadow Magic Duane Robertson
 Free Speech and Free Access
 X 29 FV 50+ 2 3

405-842-3158 OK Okla. City
Bare Metal BBS Tom Hunt
 "The Southwest's OS/2 Source"
 B 29 FV 20+ 10 3

406-265-3218 MT Havre
HHS BBS Chris Durward
 Entertainment
 X 29 V 3 1

407-328-4294 FL Orlando
Home School Kevin Freer
 Educational
 W 29 V 5+ 1

407-337-5431 FL Pt St Lucie
Sleepy Hollow Clay Kern
 Family Oriented - Christian
 W 29 VF 20+ 1

407-375-8530 FL Boynton Bch
Strangelight Robert Heyen
 Chat, Files, Games, Nets...
 T 09 VO 15 6 3

407-496-6533 FL Delray Beach
Boca Bytes BBS Mel Macy
 PC User Group
 W 29 VF 33+ 3 1

407-640-0881 FL Palm Beach
Sunrise Realty Rozann Stephens
 Real Estate, Vacation, Travel
 X 29 DD 140+ 8 7

407-657-5068 FL Orlando
DigiTel BBS C.J. Loffin
 Star Wars, Comics, Japanimation
 X 29 V 3+ 2 3

407-684-1200 FL W. Plm Beach
Eagles Nest Mark Netzel
 Multi-User Chatting
 S 29 VF 10 6 3

407-892-8968 FL St. Cloud
The Realm Matt McDonald
 7 CD-ROMs, Games, MSG Base
 W 29 FV 70+ 1 7

408-378-6588 CA San Jose
Matrix Online Darryl Perry
 Adult Nets
 T 19 VV 15+ 2 1

408-954-9313 CA San Jose
Car Hop Specil Roger Phelps
 Car Hop Trays, Accessories
 W 09 D 5+ 1

409-245-1064 TX Bay City
Wizard's Sanct David Koenig
 Graphics, General Dos Utils, +
 S 09 O 10+ 1

409-724-6659 TX Port Neches
Tech BBS David Moore
 Technical Related
 V 09 VV 12+ 1

409-842-3251 TX Beaumont
Broad Reach Tim Beard
 Sailing & Aviation
 W 19 VV 14+ 2 9

410-367-3238 MD Baltimore
MultiServ Chris Perry
 Business, Classifieds, Files
 T 19 VV 10+ 2

410-485-0551 MD Baltimore
Chesapeake Bay Phillip Knott
 Windows Multimedia Experience
 X 29 V 3 2

410-574-0068 MD Baltimore
Entrepreneur\$4 Mike McCullough
 Business, Information Database
 T 29 FV 5+ 2 \$ 1

412-226-9549 PA Natrona Hts
JABS Talk BBS Todd Simmers
 Utilities, Tech. Info, General
 W 09 FV 45+ 2 3

412-487-9223 PA Glenshaw
MetroPitt Emery Sedlak
 Books and Writing
 W 09 V 42+ 1 3

412-942-3957 PA McMurray
THE BRATS HOME Jon Chryk
 "To let people have a lot of fun"
 X 29 V 10+ 1 1

412-962-1435 PA Hermitage
Cyberscape Mark Yarian
 Special Tech. & Information
 O 09 FV 7 1

412-962-3212 PA Sharpsville
New Dawn System Alan & Kathy
 Files, Games, Mail, Internet
 I 29 V 16+ 1

413-443-7623 MA Pittsfield
Aspect BBS Paul Doucette
 Shareware, Chat
 X 99 FF 48+ 4 \$ 3

413-782-2158 MA Springfield
Signal Hill Ed Thompson
 Files, games, PCBoard files
 B 29 FD 56+ 3

414-672-3290 WI Milwaukee
NW BBS LIST Freddie Reitz
 BBS List, BBS Support Files
 W 29 U 850 1

414-672-3881 WI Milwaukee
M.A.I.N. II BB Chris Mielke
 WWIVnet, BBS Support, Games
 V 19 V 14+ 1

414-723-7608 WI Elkhorn
DarkH20 Douglas Jackson
 Files, ANSI/RIP1/RIP2 screens
 S 29 VV 20+ 3

continues...

CHANGE OF ADDRESS

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Address _____

City _____

State/Zip Code _____

MAIL TO:

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You may fax this form at (609) 953-7961.

The A-List

414-729-1157 WI Menasha
Eagle's Nest David George
 Religion
 W 29 V 12+ 1

414-785-1973 WI New Berlin
Electric House K. Stittleburg
 Games, Computer Help, Files
 W 19 FV 43+ 1

415-375-0554 CA San Mateo
Gangstaz Parad Dylan Rich
 Games, Files, Chat
 W 19 D 10+ 1

415-712-1641 CA HalfMoon Bay
Access Net Victor Michael
 Travel & Cellular Technology
 M 09 V 11+ 16 3

415-961-6911 CA Palo Alto
INTERACT Eric Knight
 Chat, Games, Internet
 W 29 V 10 32 \$ D

417-623-3625 MO joplin
Ragged Edge M Wood
 Chat, Games, General Interest
 M 09 V 56+ 3

419-423-9133 OH Findlay
Fox's Den Russ McDaniel
 Online Games, CD-ROM online
 X 29 FV 9+ 1

423-691-1887 TN Knoxville
The POST BBS Marc Lanni
 File Base/Crafting Files
 W 19 FD 120+ 2 3

423-753-0041 TN Jonesborough
Ariana Interfa Greg Evans
 Dedicated to Online Services
 X 09 F 14+ 2 3

423-870-0794 TN Chattanooga
The Registry Bill Kern
 Nat'l Registry Services
 W 29 FV 150+ 3 \$ 7

423-892-8834 TN Chattanooga
TLR Systems Bill Crawford
 RIPscrip, Games, Files, Email
 B 29 FU 150+ 1

423-922-4635 tn Knoxville
THE DARK ECLPS M. Sentell
 "We have RPG, files, and suport"
 X 19 FF 17+ 2 1

423-922-4679 TN Knoxville
The Fox's Lair Gary Hauser
 Software Product Support
 X 09 FU 6 1

501-364-8176 AR Crossett
Arkla-Net Steven Dunham
 Files, Online Games
 B 99 FD 12 1

502-429-9767 KY Louisville
Pure Madness Rusty Lickliter
 Fidonet, Door Games Files
 W 29 D 100+ 2 1

503-646-4514 OR Portland
Adirondack David Katz
 Technical Support
 W 29 FD 50+ 10

503-691-7938 OR Tualatin
BBBBB555 Tom Almy
 Text Files, Writers
 Q 19 VF 5 2 1

504-275-2605 LA Baton Rouge
Datacom BBS Randy Wesley
 Games, Genealogy, OS/2, Linux
 B 09 FD 42+ 4 \$ B

504-455-0500 LA Metairie
SCCN Lance Gary
 Sports Cards & Collectibles
 W 99 F 0 0 \$ 3

504-764-0449 LA Norco
Eagle's Nest John Perilloux
 Politics
 B 29 FD 60+ 1 \$

504-885-5928 LA New Orleans
Southern Star John Souvestre
 Internet, Fidonet, 25G files
 T 09 VF 250+ 15 \$ F

505-842-0124 NM Albuquerque
OnlineSwapMeet Jennifer Rucker
 Antiques and Collectibles
 M 09 V 3 2 \$

505-898-7120 NM Albuquerque
Dead End BBS Joel Yancey
 Games, Information, Utilities
 B 29 V 45+ 2 2

508-234-4939 MA Northbridge
Tigers Den Michelle Butler
 Online Games
 I 29 BV 7+ 1

508-266-1928 MA Acton
RubberNeck! Steve Larsen
 Utilities, Personals, Adult, Games
 W 29 B 2 1

508-278-0142 MA Uxbridge
Apparition BBS Walter Whitten
 Newest Shareware Available
 B 29 V 100+ 2

508-477-8211 MA Mashpee
CCS World Joe Cronin
 Games, Information, Internet
 M 09 FV 100+ 75 \$ F

508-481-5478 MA Marlborough
Writer's BBS Brian Rickman
 Authors, Poets, Literature
 X 19 V 32+ 1 3

508-693-5344 MA Edgartown
Whaler's Walk J. Breshnahan
 "The best on the Vineyard!"
 B 29 BV 1 1

508-831-7671 MA Worcester
HeadRush Brian Kokernak
 Techno, Subversiveness
 X 29 V 2 1

510-252-9131 CA Fremont
Jetstream Bill Garrison
 Huge Message/File Base
 W 19 FD 22+ 2 \$

510-371-6132 CA Livermore
Gamer's H.Q. Tami Garrison
 Games
 X 99 FV 10+ 2

510-724-9296 CA Pinole
Greater Light Michael Bryant
 Christian
 X 29 VF 28+ 2 1

510-794-6401 CA Fremont
Phosphor BBS Glenn Sanders
 Chat, Games, Forums, Files
 M 09 V 11 13 \$

512-302-0675 TX Austin
Austin CHouse C.Whisenant
 Matchmaking
 X 29 V 20 108 \$ 9

512-328-2885 TX Austin
Shareware Conct Carlos Lopes
 Official Apogee+Epic Dist. Site
 O 09 VF 11+ 1 3

512-668-9307 TX Alice
Digital U. Raymond Munoz
 Music, Programming, BBS, etc.
 X 29 F 0 0

513-393-0075 Oh Hillsboro
The Connection Rick Morris
 OS/2, Genealogy, Fidonet
 B 09 FD 70+ 3 1

513-522-3766 OH Cincinnati
Collectors Cor Stacy Roberts
 Trade Collectables (Cards etc.)
 W 29 F 14+ 1

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 Telnet: 199.3.100.214 (cdsnet.com)
 Web Site: www.cdsnet.com
512-887-0787 CDS-BBS

The A-List

513-573-9201 OH Mason
CyberSpaceExch Mike Rickman
 Files, Games, Internet Access
 W 99 V 15+ 6 D

513-753-0071 OH Amelia
ziGGy's Steve Davis
 Quality Entertainment
 F 29 FD 50+ 2 1

513-961-7214 OH Cincinnati
Cyberspc Realm Ariel Benzakein
 Internet, Games, Daily News
 X 99 FV 20+ 4 F

514-463-1086 QC Quebec
Megabyte bbs denny stamos
 Messages, Doors, Gifs, 18+
 W 99 VV 14+ 2

515-752-6554 IA Marshalltown
HorselessCarrge Warren Miller
 DOS-Based Public Archives
 F 19 DF 60+ 1

516-234-4446 NY Hauppauge
1st Impression Pat Long
 Alternative Lifestyle, Social
 M 19 V 55+ 20 \$ 8

516-249-0275 NY Farmingdale
LIFEBBS Gregory Carman
 Genealogy, Online Games
 B 09 VD 25 4 7

516-496-4956 NY Syosset
DaCool BBS Jason Weill
 Games, Messages, "Clean" Fun
 Q 19 FV 16+ 2 1

516-563-8225 NY Long Island
L.I. Online Jim Padberg
 Local Info, Shareware & Adult
 X 29 FV 14+ 4

516-696-9254 NY Coram
Slayers BBS P Mandracchia
 Adult & Files
 R 29 F 57+ 1

516-868-5683 NY Merrick, LI
AlicesRestaur George Martin
 Adult
 M 09 V 16+ 14 \$ B

516-874-4778 NY EastMoriches
Relentless BBS R Malatestinic
 Doors, CD-ROMs, Adult, Games
 X 99 FU 10+ 1 1

516-897-0217 NY Long Beach
Optimus Online Andrew Lazarus
 Free Files For All — No Ratios
 B 29 FV 12+ 1

516-935-5704 NY Plainview
MicroQuick A. Drentlicher
 Over 15,000 Messages and Usenet
 W 09 DF 13+ 1 7

520-290-2807 AZ Tucson
Oemodulator Jim Bennett
 Mail, (COMMO) Support
 X 29 D 12 1

540-344-9131 VA Roanoke
Crescent Info Malik Hamadulla
 "Poor man's online service."
 X 09 V 10+ 4 \$ 1

540-362-8673 VA Roanoke
WB400J Net 57 Lee McDaniel
 Amateur Radio-SWL-Weather Info
 I 19 FV 14+ 2

540-720-8503 VA Stafford
The DarkSword Derek Cosby
 files, games, genealogy
 W 09 U 11+ 1

540-854-6760 VA Rhoadesville
Locust Grove Andy Hoffman
 Games
 G 09 F 4+ 1

540-898-9114 VA F'Burg
Diamond Mine Dave Perrussel
 Message Forums, Games, Files
 X 29 F 2+ 1 B

541-479-4296 OR Grants Pass
Oregon Online Brian Helm
 Files, Family, Fun!
 X 19 V 6+ 1

continues...



Rusty

Eddie

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The A-List

541-883-1239 OR KlamathFalls
Last Frontier Terry Slade
 Online Games, Files, Internet
 S 29 F 7 2 3

541-883-1574 OR KlamathFalls
Stormy Night Patti McMann
 Family Orientated, Messages
 W 19 VB 13+ 1

601-977-8421 MS Jackson
Backtracker Kevin Orkin
 Family Oriented, No Adult
 W 19 F 20+ 2 F

602-482-9382 AZ Scottsdale
LearningNET Larry Jakows
 K-12 Education, Homeschooling
 T 29 F 10+ 2 \$ 3

602-873-3046 AZ Phoenix
Dragonfire BBS Brian Gollmer
 Games (Inter-BBS & Local) Files
 F 19 V 40+ 1

602-902-0935 AZ Tempe
Headless Horse Michael Zambon
 Technical Help With Computers
 B 29 VF 100+ 4 2

602-955-3835 AZ Phoenix
PharmAZcy! Michael Guzzo
 Pharmacy/Medical BBS
 I 99 V 11+ 1

602-978-6505 AZ Glendale
AMTBBS Larry Crabbe
 Family Board — Games, Files, Fun
 F 09 VD 20+ 2 1

602-997-6500 AZ Phoenix
Spectrum Images Pat Buckingham
 Photographer — Stock Photo House
 T 09 D 90 16 \$ C

603-585-3326 NH Fitzwilliam
More Byte BBS John Wells
 Family Based BBS
 F 99 D 180+ 1

603-625-2687 NH Manchester
E-Bytes II16 B Ford
 "Designed for fun for the family"
 W 19 VO 16+ 1 1

604-543-3000 BC Vancouver
Digital Rain Cory Novak
 Making Friends, MUDS, Games
 M 09 VF 20 40 \$ F

604-624-4534 BC PrinceRupert
Pyramid BBS Mike Ringer
 Emergency Services & S.A.R.
 W 29 V 6+ 1

604-948-0275 BC Tsawwassen
Home HARDware Hardy Rosenke
 Sysop Support
 O 19 DF 5 3 1

605-882-2458 SD Watertown
StarGate BBS Denny Kakacek
 Email, Files and Information
 B 09 FV 14+ 2 \$

606-356-5350 KY Independence
Dragon's Keep Brian Smith
 Games, Shareware
 F 29 V 14+ 1

606-371-6337 KY Florence
MagicSoft BBS! Tem House
 Files, Newbies
 W 29 FV 14+ 2 3

608-356-4777 WI Baraboo
The RF Deck Steve Schulze
 Amateur Radio
 I 19 FV 40+ 1

609-241-1436 NJ Swedesboro
32 Bit Bus Bob Bernstein
 FS5 Files, Aviation Related
 B 29 FD 55 2 7

609-467-5540 NJ Swedesboro
Alex's World Alex Mastrando
 IBM/Microsoft TechNet Provider
 G 29 FD 202+ 3 7

609-467-9649 NJ Swedesboro
Logan's Run Nick Mela
 "Stock quotes updated hourly"
 B 29 VF 14+ 10 \$ F

609-484-8874 NJ Pleasantvill
Roman Catholic Kenneth Leary
 Catholic/Christian
 W 29 FV 2 1

609-488-1365 NJ Merchantvill
ROAD TO HEAVEN Mark J. Zia
 Theology, Windows, PCBoard
 B 29 D 31+ 1

609-764-0812 NJ Delran
Radio Wave Tyler Myers
 Low Cost Internet Access
 B 19 FD 100 6 F

609-853-0568 NJ NJ Deptford
Lightning Bolt Raymond Schwill
 Adult
 W 29 F 35+ 2

609-858-1598 NJ Collingswood
FDP#3D Mike Reher
 Professional Law Enforcement
 B 29 V 1 2

609-875-0968 NJ Williamstown
The NJLink BBS John Gonski
 Files
 B 09 V 3 1

609-888-2498 NJ Trenton
Kimmy's BBS Kim Poland
 Games, Messages & Files
 V 09 VO 10+ 1 1

609-890-6347 NJ Ham. Square
CyberCity USA Bob Marsley
 Chat, Entertainment, Internet
 M 19 DF 45+ 6 F

610-259-2193 PA Lansdowne
AirPower BBS Jim Henry
 3579BDF
 B 09 F 19+ 4 \$ 1

610-779-2123 PA Reading
GANGSTER BBS Daniel Grimes
 "We have everything you need!"
 W 29 DF 30+ 1

610-944-0532 PA Fleetwood
TWILIGHT Luois Pupo
 "We have almost everything!"
 W 29 DF 250+ 2

612-455-0874 MN Inver Grove
KerowynsHaven Jennifer Aro
 Medieval, Fantasy, and RPGing
 W 29 VF 8+ 2 3

614-855-1884 OH Gahanna
GPL_BBS! Phill Terry
 Echomail, Programming
 W 29 VF 15+ 1 3

614-885-8511 OH Columbus
Anderson's BBS Bob Anderson
 Files
 F 09 F 92 1

615-503-8397 TN Clarksville
Military Connecton Paul Keefrider
 Military-Related Files/Programs
 O 29 F 6+ 1

615-791-5638 TN Franklin
SAFTEK Stephen Tenhet
 Occupational Safety & Health
 W 29 VO 9+ 10 \$ 3

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616-243-8960 MI Grand Rapids
City Heat Dave McIntyre
 OS/2 and DOS Files/ Fidonet
 B 29 F 23+ 2

616-342-0001 MI Kalamazoo
Cafe Olivia A. Wolters
 Socializing
 X 29 V 2 3 \$ 1

616-463-7231 MI Watervliet
Recognizer BBS Mark Ostruzska
 Family, RA files, KBBS Support
 X 19 VF 5+ 1

616-696-1293 MI Cedar Spring
Visiphobic Shawn Parker
 Games, Messages
 X 99 F 14 1

617-665-0977 MA Melrose
OuterCityLimits Ken Rogers
 General PC Files/Atari
 B 09 FV 40+ 2

617-749-0526 MA Hingham
The Fun-House Bruce Kelly
 Family Oriented, Full-Featured
 Q 19 V 12 1 1

617-961-7870 MA Randolph
N.E. Online Michael Flood
 OS/2 and Power Users
 B 29 FU 40+ 2

618-684-3990 IL Murphysboro
HD Cafe Marc Albrycht
 Graphics, Windows95, Internet
 W 09 FD 700+ 2 9

618-943-1015 IL Lawrenceville
Aggie Hacker's Mike McIntyre
 Files, Games, Message Areas
 I 19 V 3 1

618-949-3898 IL Golconda
pure INFO Melvin Deagan
 Info on phone systems
 W 29 F 12 1 \$

619-435-0036 CA Coronado
Daily Calendar E. Copper
 Shareware, home-office, Email
 B 29 FV 6 1 7

619-452-3131 CA San Diego
IEEE SD BBS Larry Harmerman
 Engineering/Technical
 W 09 DV 5 1 3

619-588-8725 CA El Cajon
Jim's E County Jim Condon
 Family Oriented Fun
 W 09 VF 65+ 2 \$ 3

701-271-9317 ND Fargo
Victoria Stn Daniel Chihos
 Files and Local Discussions
 X 09 F 6+ 1

701-280-2343 ND Fargo
SPECTRUM BBS Dale Hill
 General, Messages, Files & Games
 X 29 F 9+ 1 3

702-747-5432 NV Reno
T.U.BBS Michael Fox
 General Interest, Doors, Files
 S 09 V 17+ 1

703-730-1996 VA Dale City
Bizz BuzZ Brian Heise
 Windows/Windows 95
 L 29 OD 14+ 2 \$

703-730-3115 VA Dale City
Circle Circus Bob Lotspeich
 PCBoard Support Files
 B 29 VF 5 1

703-934-4461 VA Merrifield
The Alamo BBS M Rodriguez
 Games
 M 99 V 15+ 28 \$ F

704-428-4259 NC Maiden
The Maxx BBS Robert Koliha
 Door Games, Messages, Files
 S 19 VU 1 1

704-639-1914 NC Salisbury
GDANC BBS Denee Efirid
 For Women & Run By Women
 W 29 VF 14+ 1

704-685-3079 NC Hendersonville
Midnight Blaise Going
 Public Information Domain
 X 09 VF 14+ 4 7

704-983-2877 NC Albemarle
Small Wonder Mark Brooks
 Files, Games, Family
 X 19 D 14+ 2 \$ 1

705-725-0183 On Barrie
The BUG BBS Charles McCole
 Business, Games, Information
 X 19 V 6 1 1

706-812-0072 GA LaGrange
CommunityNET Jon Minnihan
 General Interest
 M 09 VB 14 2 \$ 1

707-995-1623 CA Clearlake
Infinity Bbs James Meek
 Files, Religion, Information, Games
 W 29 V 5+ 1

708-369-9183 IL Naperville
GUS 'N GOLF Sue Lane
 Music, Sound, Computer Golf
 W 29 FV 14 1 3

708-442-8117 IL Lyons
The Lyons Den John Partipilo
 Files, Online Games, SFNET mail
 F 99 DF 5 1

708-482-4477 IL Countryside
IrishEyes Joseph Tybor
 Notre Dame Football News
 M 29 V 200 20 \$ 9

708-717-9370 IL Naperville
Com One Craig Wells
 SOHO Networking, Files, Email
 B 29 V 50+ 5 \$ 3

708-724-0975 IL Glenview
So Thats What Douglas Leeper
 U.S. Marine, Christian Areas
 W 09 DF 27+ 1

708-729-2902 IL Glenview
windows tech Roger Heath
 "Chicago's Windows BBS"
 B 09 FF 25+ 16 \$ F

708-910-5185 IL Darien
Critical Mass Ed Schneider
 Full Internet, DOOM, Doors,WADS
 A 99 VV 16 16 \$ D

712-225-0206 IA Cherokee
The Sworndawst Robert Bunch
 "Many Doors and lots of Shareware"
 W 29 O 6+ 1

713-320-0197 TX Houston
BHA & Assoc. Ben Askew
 Messaging, CD-ROMs, Files
 B 29 DF 20+ 3 3

713-442-6704 TX Houston
PsL Online H. Brimberry
 Full Service BBS/PPP Internet
 B 29 FV 20+ 12 7

714-279-1140 CA Anaheim Hill
FSU BBS Paul Egger
 Online Adult Meeting Place
 M 09 FV 300+ 38 \$ F

714-630-0502 CA Anaheim
Bargain BBS Dale Porter
 Buy Merchandise Below Wholesale
 T 09 V 11+ 1

714-951-7311 CA Mission Viejo
A Helping Hand Scott Leighton
 Internet Email, New User Help
 W 19 VF 12+ 1 3

714-956-4698 CA Anaheim
4Next GT BBS Jeffrey M Smith
 No Age General Acc. Chat/Games
 M 19 V 300+ 111 \$ F

715-378-4144 WI Solon Spgs.
Terminal Cafe Larry Cozzi
 Political-Constitutionalist
 W 29 VF 135+ 3 1

715-445-6000 WI Iola
Global Gallery B. Gardner
 Entertainment, Internet Access
 M 09 V 12+ 32 D

716-352-6544 NY Rochester
freefilefarm Eric Florack
 Files, Huge U/D areas, 100 confs.
 P 09 FV 600+ 2 2

716-547-9970 NY Darien
The Oak Side2 Mike Cherven
 Games, Files, Fun
 F 09 D 20+ 2 C

717-242-0419 PA Lewistown
LIN Rod Swigart
 Chat, Games & Multimedia
 M 19 FV 11 5 3

717-246-9666 PA Red Lion
Lion's Den Brent Sowers
 Games and Files
 X 19 F 9+ 1

717-248-6190 PA Lewistown
HOME BREW BBS David Corson
 Games, GIFs & Adult GIFs
 I 09 FV 13+ 2 1

717-383-9661 Pa Peckville
DATA CONNECTION John Mulderig
 Shareware
 X 29 V 10+ 1

717-473-8599 PA Northumberla
The Cat Land Duane Holter
 Games and Software - Free Access
 W 29 F 6+ 1

717-648-1397 PA Ranshaw
The Black Box Charles Black
 Door Games
 X 09 F 5+ 1

717-730-8504 PA Lemoyne
Stimp'y's Sandb Mark Friend
 Free, ASP Member BBS
 I 19 FV 14+ 3 1

717-969-9926 PA Dunmore
KeyInfo Jack Manger
 "Geared to small business"
 I 29 OF 6 1

718-370-0012 NY Staten Isl.
Reptile House Kevin Egan
 Reptile Care & Internet Support
 W 29 FV 11+ 1 \$ 3

718-375-5561 NY Brooklyn
System X Arthur Gorecki
 Erotica, Games, Technical
 B 99 FD 74+ 2 3

718-468-6609 NY New York
North Star BBS Rawle Hussain
 Programming, Games, Business
 X 09 V 19+ 1 3

719-637-0353 CO Colo Springs
Knightshade George Shaw
 Files, Games, Echos
 Q 29 VF 14+ 1

770-998-7373 GA Marietta
Cyber-X BBS Robert Ball
 Adult, Games, Programming
 B 29 VF 60+ 2 \$

787-781-4571 PR Guaynabo
Hurricane BBS Luis Benitez
 "The helping hand for new users"
 W 19 D 11+ 2 \$ B

800-487-8387 DC Washington
VA OnLine Marty Bales
 Information for Veterans
 W 19 V 14+ 15 D

801-224-2547 UT Orem
Hackers Haven Ed Wilkinson
 Business, Games, Programming
 B 99 DF 80+ 6 2

801-775-0820 UT Layton
The Jackyl BBS Kevin Harvey
 Fidonet Filebone
 Y 99 VF 25+ 1 3

801-896-6043 UT Richfield
S-M-R BBS Michael Snow
 Games, County Events listing
 R 19 V 1 1

803-795-9350 SC Charleston
New World John Jones
 Online CD-ROMs
 Q 29 FD 999+ 1

803-875-2428 SC Ladson
Carolina Chat Robert McElwee
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 M 19 FV 12+ 49 \$ F

804-237-3823 VA Lynchburg
Brownings Wrld Ralph Browning
 Windows, DOOM, HTML, Games, Mail
 W 19 VO 20+ 3

804-253-2307 VA Williamsburg
LightOTheBurg Nelson Scott
 Christian/Family
 W 29 FV 10+ 1

804-484-4573 VA Portsmouth
WULIHAN PCB Mark Montgomery
 General Family-Oriented BBS
 B 19 DF 16 1

804-485-0787 VA Chesapeake
Merlin's WkSp Rob Stafford
 Files, Games, Echomail Networks
 B 19 V 30 1

804-525-4287 Va Forest
The Garden Ero Ted Browning
 Adult
 W 99 VV 500+ 2 \$ 1

804-590-2161 VA Matoaca
Servant of Lord Dr C.A. Wooten
 Christian Resource
 W 19 FV 11+ 2 3

804-971-7017 VA Charlo'ville
T.E.L. Net #2 Chris Epler
 OS/2, Linux, HAM Radio
 O 09 FV 20+ 1

804-979-1036 VA Charlo'ville
Flat Line Paul Suggs
 General Interest
 W 09 F 12+ 1

805-374-9997 CA Thousand Oak
The Matrix Denny Cherry
 Files, Games, Adult
 W 09 B 18+ 2

805-685-5827 CA Goleta
Cyburbia Dan Weiss
 Conspiracy/Music
 X 19 FV 14 2

805-928-5265 ca Santa Maria
The Rift BBS Dave Payne
 Games, 3D Entertainment
 W 29 U 10+ 1

808-947-9421 HI Honolulu
Onipa a BBS L. Kwiatkowski
 Hawaiian Sovereignty Forum
 S 19 D 11 1

808-969-3698 HI Hilo
TattChat Steve Cotten
 Full Service, Internet, Files
 W 29 V 10+ 1 7

809-283-1090 PR San Juan
File Gallery F Caceres
 File Libraries, Internet
 M 09 VV 20+ 23 \$ D

810-293-7917 MI Warren
Panther's Pala John Depew
 Files, Online Games, Messages
 Y 19 V 4 1

810-566-6865 MI Sterling Hgt
DARK DUNGEON Terry Patten
 Astronomy, DOS, Windows, OS/2 Files
 W 09 FO 50 1

810-623-6696 MI Waterford
Club Paradise Jesse Biehm
 Everything
 X 09 FV 21+ 1 1

810-773-2990 MI Roseville
Logic Gate BBS John Bednarski
 User Groups
 T 19 FV 14+ 2

continues...

The A-List

812-299-9306 IN Terre Haute
Ivy Tech's BBS Philip Brown
 Educational BBS, Two CDs, Nets
 F 29 FV 13+ 1 2

812-426-0477 IN Evansville
Graph Station Tony Hite
 12 CDs Online, Online Games
 W 29 FD 200+ 2

812-475-0434 IN Evansville
Rustic Inn BBS Ronald Benjamin
 Files, Games, Hobbies, Computers
 W 09 OD 50+ 3

812-898-2561 IN Terre Haute
Flaming Star April Brown
 CD Sales, Six CDs Online, Nets
 F 29 V 40+ 1 2

813-530-4156 FL Largo
BOX CAR GRAPHI Jerru Freudenth
 Clipart
 S 29 F 5+ 1 \$

813-841-7231 FL Port Richey
TOoM James Sumner
 Files
 X 19 F 10+ 1

813-937-8387 FL Tarpon Spgs.
BBS95 Ed Holtzman
 Windows95 Software & Support
 X 29 V 12+ 4 1

814-371-9591 PA DuBois
20th Century Patrick Shirley
 Trains, Music, Sports, Religion
 V 09 V 12 1

814-375-9552 PA DuBois
The C&K BBS Chad Smith
 Idea Exchange, Games, Files
 W 09 V 10+ 2

814-886-2563 PA Cresson
Summit SrchLit Richard Lis
 Sysop Services, Shareware
 S 19 DF 105+ 2 1

815-379-2793 IL Walnut
All. Realities Chris Hanson
 Alternate Energy & General
 I 29 F 12+ 1 \$

816-241-8442 MO Kansas City
Connections MHN Telecom.Inc
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 X 29 FO 14+ 9 \$ F

816-322-5494 MO Belton
Night Watch David Fuller
 Shareware, Games, Information
 B 29 VF 30+ 2 1

817-280-9943 TX Hurst
Ocean Breeze Ted J. Mieske
 Electronic & Music Files
 A 19 V 10+ 1

817-565-9165 TX Denton
Mezzanine Walter Bowen
 Macintosh Support + DOS & WIN
 X 09 DF 23+ 1

817-666-1595 TX Hewitt
The Wolves Den Mark Richter
 Hardware/Software Support
 V 99 FV 35+ 3 1

817-949-2120 TX Ft. Worth
The JUNGLE! Chris Leuty
 "Play multi-player DOOM online!"
 M 29 FO 34 5 \$

818-280-4220 CA Rosemead
Shiloh BBS Michael Cruz
 Christian, CalvaryNet
 W 29 F 10+ 1

818-296-1169 CA Pasadena
End OfThe Line Boots Hunter
 Files, Chat, Pubs, Match, Email
 M 29 V 13+ 10 \$

818-342-0122 CA Tarzana
Dimension 5 Daniel Fleiner
 Graphical, Internet, Games
 W 29 FV 9+ 1 \$ F

818-709-9625 CA Reseda
CentralSupport Tom Keyser
 OS/2, Communications, Networks
 O 19 V 14+ 1

818-881-0131 CA Reseda
GAMELINK Tony Becker
 Game Connection & Online Games
 M 29 VO 14+ 8

847-491-9070 IL Evanston
Highway 66 Stan Barrack
 Shareware, Family & Tech Nets
 X 29 V 70+ 4

847-608-4977 IL Elgin
Fox River Net Dave Gourd
 Earth — Use Us, Don't Abuse Us
 W 19 V 1 1

847-673-9858 IL Skokie
The Chasm F. Stern
 Research, Music, Adult
 W 29 V 4+ 1

847-724-0975 IL Glenview
S.T.W.C.!! Douglas Leeper
 U.S. Marine, Christian, Free
 W 09 DF 27+ 1

860-228-9814 CT Hebron
Cyberian BBS N. McMullin
 Information Services
 B 29 F 14+ 2 3

860-249-8639 CT Hartford
The Piggpen BBS Doug Mackey
 TAG BBS Software Support Site
 X 29 F 30+ 2

860-673-6247 CT Unionville
Phone Henge ScottLivingston
 OS/2 w/Tons of DOS, Windows
 Q 29 FD 80+ 1

901-452-4779 TN Memphis
Memphis Online Jane Hayden
 Conference & Email Board
 S 09 V 10 12 3

901-632-1947 TN Adamsville
SMART MOVE S English
 Games Plus
 Q 29 UF 14+ 6 \$ F

903-596-7816 TX Tyler
Crossroads Rod Hendricks
 Chat, Macintosh Files,
 X 09 F 25+ 50 \$ B

904-247-8089 FL Atl Bch
Medieval Gate Erik Rabassa
 "Open to all groups"
 X 29 V 6+ 1 2

904-336-4717 FL Gainesville
Vampires Guild Josh Ward
 Games, Files
 X 29 V 600+ 1

904-387-3680 FL Jacksonville
Data-Conn Dennis Buys
 Car Audio & Happenings
 V 29 D 1 1

904-398-6401 FL Jacksonville
LIVEWIRE O.S. Terry Peat
 RIP Graphics, Local Interest
 S 29 V 5 1

904-682-7516 FL Crestview
Smugglers Cove C. Infinger
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 X 99 D 400+ 1



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904-739-8905 FL Jacksonville
Ulti-Creation Denny Davis
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 L 29 F 24+ 1

904-863-2290 FL Fort Walton
The Nucleus Jaime Bozza
 Games, Chat & Full Internet
 M 19 FD 40+ 44 F

905-354-9932 ON N.F.
MIND WaRP BBS C. Mariatt
 Games, Files
 X 19 O 8+ 1

905-646-8932 ON StCatharines
Dur Gang I Darla Monette
 Adult Games, General BBS
 X 09 V 16+ 2

905-770-9540 ON Richmond Hill
Platinum Comm Glenn Jarvis
 Net Mail, Online Shopping
 W 19 VO 10+ 4

906-482-4261 MI houghton
Subterranean C CJ Henning
 Messages/Games/Files
 X 09 DF 6 2

907-488-3751 AK North Pole
T.C.'s BBS Tom Creek
 Fidonet Files and Echomail feed
 Q 09 FV 25+ 2 \$ 1

908-335-1135 NJ Holmdel
TrepydationBBS David Kaiserman
 Gothic/Industrial/Hardcore
 W 19 FV 14+ 2 3

908-388-4742 NJ Colonia
MERCHANTS BBS Tony Szablowski
 Games, Network S/W, Messaging
 W 29 FV 65+ 1

908-528-2278 NJ Manasquan
BART's Place Brett Sabio CPA
 Business, Accounting
 W 19 FV 8+ 1

908-634-7815 NJ Woodbridge
Another Board Jon Rudolph
 Doors, Messages, Files
 X 29 FV 16 1

908-679-2680 NJ Old Bridge
Republic BBS C. Brown
 Games & Politics
 T 99 F 14+ 2 2

908-815-1208 NJ Clark
N2PSU LL BBS Wayne DeBiasio
 Amateur Radio
 W 29 D 30+ 1

908-901-7138 NJ Howell
Ads-On-Line M. Piatkowski
 Potbellied Pigs & Hockey
 X 19 FV 5 1 7

909-686-3690 CA Riverside
FOXFIRE BBS! Glenn Porter
 General Interest, Files, Games
 X 19 FF 25+ 4 3

909-981-7416 CA Upland
The Litter Box Mike Pope
 Door Games (Adult/Regular)
 B 19 V 1+ 2

910-595-8073 NC Walkertown
PC-Motorsports Ronald Conrad
 NASCAR GIFs, Games, RaceNet
 W 29 D 13+ 1 1

912-786-9047 GA Tybee Island
TYBEE LYTES' Pat Malone
 Tourism, Internet, Consulting
 X 19 FF 26+ 3 7

912-787-1438 GA Albany
The PIT BOARD Allen Madding
 Motorsports
 X 09 FV 10+ 1

913-661-9900 KS OverlandPark
Club Met Ed McCullough
 Entertainment, Chat, Games
 M 19 VF 100+ 500 \$ F

913-663-3333 KS OverlandPark
Metro.(Big 10) Ed McCullough
 Entertainment, Chat, Games
 M 19 VF 100+ 500 \$ F

914-242-0691 NY BedfordHills
Shadolands Dan Leslie
 All-Purpose Board
 X 09 VF 32+ 4 3

914-665-1725 NY Mount Vernon
Go Diamond! C. Brewington
 Business & Unique Files/Email
 I 09 FU 4 1 1

914-734-1370 NY Verplanck
The Point BBS Laura Weathers
 Programming, Business, Games
 B 19 V 10+ 1

914-744-5937 NY Pine Bush
Heidi's Hot Li Heidi Callanan
 Messages, Files, Tons of Doors
 I 29 DF 10+ 1

914-964-0419 NY Yonkers
Lost Carrier Gerry Schechter
 Free General Fun
 B 29 DF 6+ 2 1

915-590-4284 TX El Paso
Fantasy BBS Joe Jaquez
 Adult GIFs & Movies
 X 09 V 100+ 256 \$

916-332-4217 CA Sacramento
Sleepy Hollow Chuck Sinclair
 Programming
 X 29 V 11+ 1 B

916-339-9950 CA N. Highlands
Leather World Ralph Chandler
 Adult Oriented Leather BBS
 X 09 D 10+ 4

916-344-8279 CA N Highlands
cons corner Mike Luiz
 Political, Chat
 G 19 V 1 1

916-348-7230 CA N. Highlands
The Ory Gulch Henry Nowakowski
 Online Games, Files, Inetelec
 I 29 V 10 1

916-388-0905 CA Sacramento
Omni Charles Meadows
 Genealogy, Games, Files
 W 29 FV 38+ 3 3

916-721-7021 CA Antelope
Cyber Bytes John Johnson
 Family Entertainment
 I 19 VF 5 1

916-889-2247 CA Auburn
T.S.BBS.Around Jon Anderson
 Games, Email, Files
 I 19 V 1 1 1

916-929-7511 CA Sacramento
BOBsBBS Bob Breedlove
 Home of the USBBS List
 X 09 F 2 1

916-967-8743 CA Carmichael
Warrior Domain Jauschua Stout
 JCS Computers Online Store
 X 29 V 10+ 1 F

918-251-3160 OK Broken Arrow
FOX ONE BBS Bill Rogers
 Flight Simulation
 B 29 V 10 1

918-254-4779 OK Tulsa
RAM Corner Randy Knox
 "Overall Fun Communications"
 X 29 VF 13+ 2 7

919-233-1035 NC Raleigh
Paronomasia Oenny Frye
 Humor, Games
 V 09 V 6 1

919-537-8248 NC Roanoke Rapd
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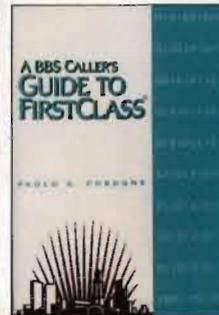
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Seeking a Date?

How are your HITS?

This space usually is occupied by some sort of rant/review of a new technology that strikes my fancy, or just really sounds cool. But this month I thought I would try to put together a public service announcement for all you single guys out there: Cyber women have found a new way to decide your worthiness, and it has nothing to do your genes or your, ah, jeans.

The secret to success, my friends, is blowing in the Web.

That's right, if you are no one in cyberspace, you'd better become someone, or else prepare for a dry spell in the dating department. You see, the women of Silicon Valley (as in computers, not something else) have discovered Alta Vista, and boy howdy are they using it to check up on you little rascals out there.

It works something like this: Geek boy

asks geek girl out for a date. If he's aesthetically pleasing ("Chicks do NOT dig pocket protectors." — Heloise), tentative plans are made to meet and engage in a dating ritual. Geek girl goes back to her pad, invites all her little geek girlfriends over, and they get on the Internet. Next stop: Alta Vista (<http://www.altavista.digital.com/>), the mother of all search engines (at least as of this writing... we all know how that goes).

The geek goddesses breathe deeply, plug in geek boy (nee, Saturday's date) into the database, and discover... he's into leather. As in pumps. Apparently he's been posting to the alt.fetish.little-black-shoes board A LOT in recent months.

That would be a no.

Scenario two: Repeat steps up until the magic moment when the request is sent into the Internet heartland. The would-be suitor pulls an impressive 120 hits (the more the hits, the better his chances). Not only that, he's been hanging out in alt.folklore.urban, intelligently discussing the fact that no, you cannot cash in coke tabs for dialysis, and no, the kid who played Mikey from those Life cereal commercials did NOT die by eating Pop Rocks while drinking a soda.

Since this interests the geek girl, he is approved. They go out, have a great time, and everyone is happy. That is, until he discovers geek girl has a much more impressive 520 hits to her name, develops hit envy, and runs off with some girl from the Valley (just the Valley).

Well, no one said love was perfect.

So you want that special someone, but she's wired. What do you do — what DO you do? Simple: grab the sustenance of your choice, make sure there is room on your credit card for one mother of an Internet bill, and get crackin'.

The simplest way to up your hit count is to hit the Usenet. Of course, you should be careful not to spam one group, which will most likely result in attention of the wrong kind. Instead, about three months before you meet that special someone and fall in love, start looking for topics on which you can post intelligently and go to it. "Me too," "I agree," and "You go (fill in name or gender noun here)" are not acceptable hits. (This applies regardless of your romantic prospects, by the way.)

You would do well to consider the reputation of the groups to which you are posting, as well. Even if you are posting to alt.fan.bestiality on a lark (or about a lark), this will show up on your potential babe's search. At best, she will be amused when she dumps you. At worst, she will be a PETA member with a very large club.

Another way to get your name out there is to develop a Web page. Most Internet Service Providers offer at least a few megs of space these days, and if worse comes to worst, sign up for an online service that offers Web page(s) and just eat the monthly cost. After all, your conjugal future might depend on it. Anyway, you need to make the most out of your page. Again, a high hit count is good, but it's not how many column inches you have, it's how you use it.

So, what to include on your Web page? Well, the "don'ts" are probably easier than the "dos." Don't bore us with your personal history, unless the words "Nobel Prize," "astro-physics," or "Mr. January" can be legitimately used. Instead, selflessly devote your page to something you love... besides

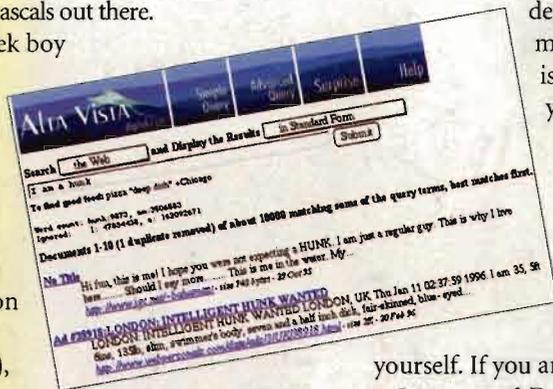
yourself. If you are a writer, stick some samples of your work up. Into games? Develop the 999th page dedicated to the Doom games (mine is #998). If nothing else, just stick some famous hunk on your page. That way, when we go searching for him, your page will show up. Of course, if you are looking for female companionship, this one could backfire.

Chicks are especially impressed by big brains. Throw some numbers up on your page with a casual line like, "This is just a little Draconian-Pythagorean theory based on the late 18th century writings of a great scientist that I whipped up on my 20-minute lunch break at MIT (I'm working on my third doctorate in saving the world, by the way). And ladies — I can REALLY cook!" (Chicks like to eat, too.)

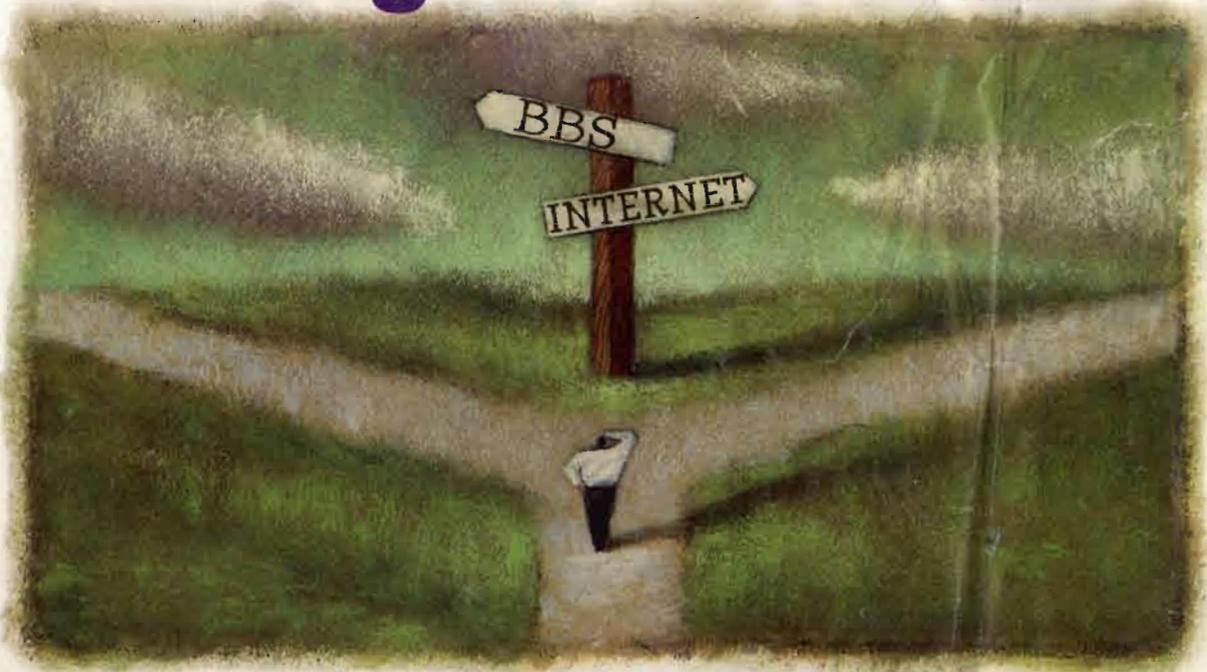
Well, I don't know what else I can do for you guys, and besides I'm running out of space. So mull it over, get a decent haircut, and prepare to spend some quality time with your computers.

And if all else fails, just wear really tight jeans. Many chicks are into that, too. ■■■■■

Geek girl Jacqui Kramer can be hit at reeltime@voicenet.com



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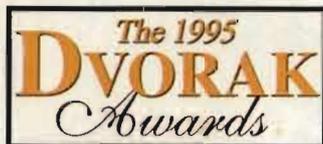
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