

# BBS

THE  
BULLETIN  
BOARD  
SYSTEMS  
MAGAZINE

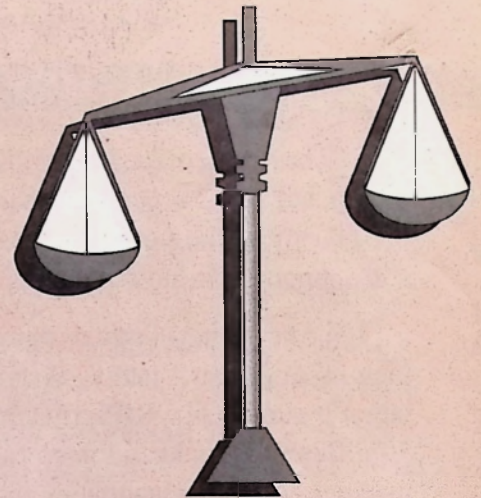
June 1993

US \$3.50

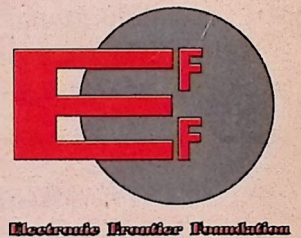
Canada \$4.95

74470-78651

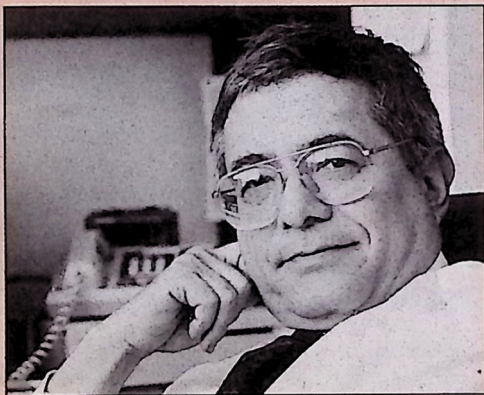
CALLERS DIGEST



# WORKING TOWARDS ELECTRONIC DEMOCRACY



Electronic Frontier Foundation



Jerry Berman, Executive Director, EFF

- ▶ **InterNet Made Easy**
- ▶ **More BBS Reviews**
- ▶ **Shareware Reviews**
- ▶ **New Column: Macs Online**



The Innovation Continues...

# VERSION 6.1 of The Major BBS®

**H**ard at work in sun-swept Florida, our fearless developers have discovered the future of BBSing... EGA/VGA graphics and ANSI together on the same BBS! The Major BBS Version 6.1 gives you the power to create a graphical DOS-based BBS that still supports non-graphics users — everyone can use your system.

Our new multi-lingual/multi-protocol architecture lets you easily plug in languages, such as Spanish and French, and alternate presentation protocols like RIPscrip and NAPLPS. You can offer as many as 50 different languages for up to 256 simultaneous users on a single machine. Add new languages with just a couple of keystrokes.

Use our RIPscrip add-on option to give your users dazzling online graphics. The Sysop "paint" tool works directly with The Major BBS configuration utility and lets you draw beautiful scenes and mouse-driven menus. A royalty-free, graphics terminal program is included for distribution to your customers.

Version 6.1 also includes "doors" to a second machine, better MS-Windows support, MHS file attachments, an "upload message" feature in E-mail and Forums, improved security, and much more.

That's just the beginning. Our new Fax/Online add-on lets you integrate fax-mail and fax-server technology into your BBS. And our new Major Gateway/Internet add-on directly ties you into the world's largest message network.

As the competition fades into the sunset, we continue our quest to give you the best BBS in the world. See your local software dealer or call us at 1-800-328-1128.



RIPscrip gives your BBS the dazzling look-and-feel of a graphical system.



Add new languages and presentation protocols — or create your own!



Turn your BBS into a fax/data server with the Fax/Online add-on option.



# GALACTICOMM

4101 SW 47th Ave. • Suite 101 • Ft. Lauderdale, FL 33314  
BBS: (305) 583-7808 • Fax: (305) 583-7846 • Voice: (305) 583-5990

# BBS

## CALLERS DIGEST

### Publisher/Advertising Director

Richard Paquette

### Associate Publisher/Editor

John Carcione

### Design and Illustration

Terry Wilson

### Art Director

Jeanne Lorenzo

### Pre-Press Operations

Dever Graphic Arts

### Newsstand Consultant

William A. Townsend

BNL Distribution Services, Inc.

100A Centre Blvd. Marlton, NJ 08053

Tel: 1-609-985-8550

### Subscription Fulfillment

Starr Fulfillment Corp.

900 Haddon Ave., Ste 326

Collingswood, NJ 08108

Joseph Starr, President

1-609-858-4411

Editorial and Advertising — We can be contacted on-line at "The Livewire BBS," which is the support BBS, set modem at 8,N,1 and call 1-609-235-5297. Voice Office number is: 1-609-953-9110; Fax is: 1-609-953-7961; hardcopy mailing address is: Callers Digest Inc, 701 Stokes Rd, Medford, NJ 08055.

Subscriptions	USA	CANADA/ MEXICO
1 Yr. (12 issues)	\$30	\$50
2 Yrs. (24 issues)	\$55	\$95

Call our order HOTLINE at 1-800-822-0437 8am-4pm EST, Mon-Fri, and charge your subscription to your Visa or MasterCard, or send check, money order payable to Callers Digest, Inc.

All material is copyrighted 1990/91/92/93 by Callers Digest, Inc., all rights reserved. Material in this publication MAYNOT be reproduced in any form without written permission from the publisher of BBS Callers Digest.

BBS Callers Digest (ISSN #1055-2812) is published monthly by Callers Digest, Inc., 701 Stokes Rd., Medford, NJ 08055. BBS Callers Digest is not responsible for the opinions expressed by contributors.

Questions and comments are welcomed. Unless otherwise instructed, we assume all rights to letters, articles, or other communications sent to BBS Callers Digest as unconditionally assigned for publication. Material not accompanied by a stamped, self-addressed envelope will not be returned. Uploads are accepted only in ZIP format at "The Livewire BBS," 609-235-5297 (HST, 8,N,1).

POSTMASTER: Please send all change of address to: BBS Callers Digest, 701 Stokes Rd., Medford, NJ 08055.

Printed in United States

# INSIDE THIS ISSUE

Volume 4, Number 6

June 1993

## FEATURES

- A LOOK INTO THE ELECTRONIC FRONTIER FOUNDATION** *by Rick Robinson* ..... 6

## COLUMNS

- ONLINE MAIL/MESSAGING** ..... 12  
*Walt's Tutorial* by Walt Ledbetter

- ANSI AND A MAC!** ..... 16  
*Telecommunicating on Your Mac* by Michael A. Kuykendall

- CRACKING THE NEWSLETTER MARKET** ..... 18  
*Computer Business* by Laura Bell

- WHOSE DICTIONARY WERE THESE FROM, ANYWAY** ..... 22  
*Tales From the Lighter Side of Computing*  
by Carol Carmichael

- AN OVERVIEW OF THE INTERNET** ..... 24  
*Newcomers to the Internet* by Mike Robinson

- A SET OF TOOLBOX UTILITIES** ..... 26  
*Uncle Hank's Shareware Reviews* by Hank Hurteau

- SUCCESSFUL MODEM MONEY MAKERS** ..... 28  
*BBS Callers: Who Are They?* by Richard Lowell Harding

- AN EXTENDED TRIP FROM COAST TO COAST** ..... 32  
*BBS Notebook* by Alan Bechtold

- UNAUTHORIZED COMPUTER ACCESS IS SERIOUS BUSINESS** ..... 44  
*The Law and BBS Users* by Shari Steele

- DISCOUNTS TO SYSOPS** ..... 48  
*Modem Info & Discounts* by Victor R. Volkman

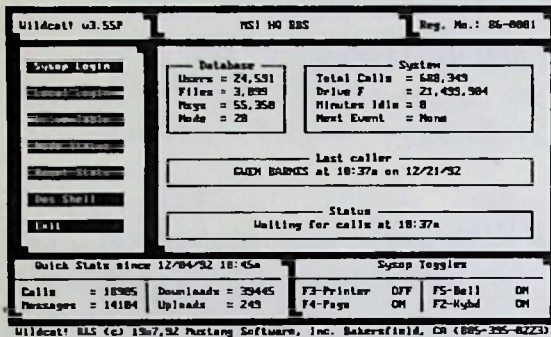
## ET CETERA...

- NEWSLINE** ..... 3
- BBSCD BBS LIST** ..... 43
- BOOK RELEASES** ..... 56
- CLASSIFIEDS** ..... 58
- ADVERTISER'S INDEX** ..... 59

COVER: Designed by Michael Duford

# WILDCAT! BBS

**Wildcat! leads the pack** when it comes to features, performance and innovation. MSI was the first to include offline mail reading software in a BBS package, the first with MHS support, and is the only company to offer NetWare bindery access and a multiline product that runs eight lines with separate DOS sessions on a single PC. There's a Wildcat! version for just about any application from a single-line neighborhood BBS to a wide-area network system.



## Check out these features!

- XMODEM, YMODEM, ZMODEM, YMODEM-G, 1K-XMODEM-G and KERMIT.
- Multi-line operation of 250 nodes, up to eight on one PC.
- DOORS
- 1,000 message conferences, file areas and security levels.
- Full-screen message editor with quoting.
- File attachments to messages.
- Text can be uploaded into a message.
- File marking while viewing for later download.
- Operates with virus checking software.
- Full sysop maintenance when system is taking calls.
- 1,000 configurable events per node.
- Relational links between the message area, file area, and user databases, allowing the sysop to access related records.
- Enhanced support for CD-ROM files and changers.

**We have the best value** in BBS software. You don't have to buy an add-on mail door or add a program to make it do simple Zmodem downloads! The popular remote control program DOORWAY is even included FREE with the IM version of WILDCAT! You not only get the most for your money when you make your initial purchase, but you get full credit for your software investment when you upgrade it to support extra lines. We appreciate our customers.

*Check out these prices!*

**The Wildcat! Single Line** release supports one incoming phone line on a single PC or network workstation. It also lets you run your BBS in the background under DESQview! **\$129.00**

A great entry-level BBS or office system, **Wildcat! Multiline** handles 1-10 incoming lines. It can operate on a LAN where all ten lines can be dial-in or local access. Installed on a single PC under DESQview, Wildcat Multiline is able to handle up to four incoming lines plus local access. **\$249.00**

**The Professional Multiline** release supports 1-250 incoming lines or local LAN connections, and has all the same features of the other systems, including DESQview support. **\$499.00**

**The Intelligent MultiPort (IM)** version is a special release of WILDCAT! that communicates only with the DigiBoard Intelligent Multi-Port card. Using WILDCAT! IM you can connect up to eight external modems via an octopus cable to a single 486 using the multitasking program DESQview from Quarterdeck Office Systems. Multiple DigiChannel PC workstations can be linked together on a LAN to provide 16, 24, or even 32 or more lines since the IM version supports up to 250 connections. **\$799.00**

If you haven't tried Wildcat! you haven't experienced the best in BBS telecommunications today. **For a free copy or our Test-Drive version, call 1-800-999-9619 and ask for offer #WC100.**



See Us At  
**COMDEX/Spring '93**

The World's #1 Computer and Communications Marketplace  
for Resellers and Corporate Decision Makers

May 24-27, 1993

Georgia World Congress Center • Atlanta, Georgia USA

Redefining Telecommunications in '93

# NEWSLINE NEWS LINE NEWS LINE NEWS LINE NEWS LINE

---

## STEVE JACKSON GAMES WINS LAWSUIT AGAINST U.S. SECRET SERVICE

---

Washington DC — A games publisher has won a lawsuit against the U.S. Secret Service and the federal government in a ground-breaking case involving computer publications and electronic mail privacy.

In a decision announced in Austin, Texas, on March 12, Judge Sam Sparks of the federal district court for the Western District of Texas announced that the case of *Steve Jackson Games et al. versus the U.S. Secret Service and the United States Government* has been decided for the plaintiffs.

The plaintiffs, which include Steve Jackson, the company he founded, and three users of the company's bulletin board system (BBS), sued the government on claims that their statutory rights to electronic mail privacy had been violated when the BBS and other computers, disks and printouts were seized by the Secret Service as part of a computer crime investigation. These rights are protected under the Electronic Communications Privacy Act (ECPA), which extended most of the protections of the federal Wiretap Act ("Title III") to electronic mail.

Jackson and his company also claimed violations of the Privacy Protection Act of 1980, a federal law designed to limit searches of publishers in order to protect their First Amendment rights.

Mitch Kapor, founder and chairman of the board for the Electronic Frontier Foundation, the public interest/civil liberties organization that has underwritten and support-

ed the case since it was filed in 1991, said he is pleased with the decision. "This decision vindicates our position that users of computer bulletin board systems are engaging in Constitutionally protected speech," Kapor said.

"This decision shows that perseverance pays off," he added. "We've been at this for almost three years now, and we still don't know if it's over — the Justice Department might appeal it." Nevertheless, Kapor said he is optimistic about the case's ultimate outcome.

Judge Sparks awarded more than \$50,000 in damages to Steve Jackson Games, citing lost profits and violations of the Privacy Protection Act of 1980. In addition, the judge awarded each plaintiff \$1,000 under the Electronic Communications Privacy Act for the Secret Service seizure of their stored electronic mail. The judge also stated that plaintiffs would be reimbursed for their attorneys' fees.

The judge did not find that Secret Service agents had "intercepted" the electronic communications that were captured when agents seized the Illuminati BBS in an early morning raid in the spring of 1990 as part of a computer crime investigation. The judge did find, however, that the ECPA had been violated by the agents' seizure of stored electronic communications on the system.

The case was tried in Austin, Texas, by the Austin-based media law firm George, Donaldson & Ford, with case assistance provided by the Boston, Massachusetts, law firm of Silverglate & Good.

Pete Kennedy, the lawyer from George, Donaldson & Ford who litigated the case, calls the decision "a solid first step toward recognizing

that computer communications should be as well-protected as telephone communications." Kennedy also said he believes the case has particular significance for those who use computers to prepare and distribute publications. "There is a strong indication from the judge's decision that the medium of publication is irrelevant," he said, adding that "electronic publishers have the same protections against law enforcement intrusions as traditional publishers like newspapers and magazines. All publishers that use computers should be heartened by this decision. It indicates that the works-in-progress of all types of publications are protected under the Privacy Protection Act.

"The case also demonstrates that there are limits on the kinds of defenses law enforcement agents can use, Kennedy said, noting that "the judge made it very clear that it is no excuse that the seizure of draft material for publication held on a computer was incidental or accidental."

---

## NTIA RELEASES NOTICE OF INQUIRY ON THE ROLE OF TELECOM- MUNICATIONS IN HATE CRIMES

---

Washington DC — The Commerce Department's National Telecommunications and Information Administration (NTIA) announced the release of a Notice of Inquiry (NOI) requesting comments on the role of telecommunications in crimes of hate and violent acts against individuals based on ethnicity, religion, race and sexual preference.

*Continues...*

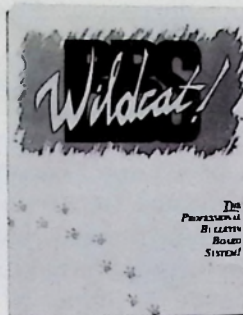
In the Telecommunications Authorization Act of 1992, NTIA was directed to prepare a report analyzing "information on the use of telecommunications, including broadcast television and radio, cable television, public access television, computer bulletin boards, and other electronic media, to advocate and encourage violent acts and the commission of crimes of hate." The Act further directed NTIA to consult with the Federal Communications Commission, the Department of Justice, and the United States Commission on Civil Rights. This study is a response to an increased public awareness of hate crimes in our society and instances in which messages of hate against ethnic, religious, and racial minorities are transmitted by electronic media.

In issuing this Notice of Inquiry, NTIA is seeking information from individuals, civil rights groups, media organizations, government agencies, and other interested groups. The NOI appears in the

Federal Register. Reply comments are due May 26, 1993.

NTIA is the Executive Branch agency principally responsible for development and articulation of domestic and international communications and information policy.

## MUSTANG UPDATES WILDCAT! AND THROWS IN FREE SYSOP DRAWING UTILITY



Bakersfield, CA — Mustang Software Inc. (MSI), developers of

the WildCat! bulletin board system (BBS) software, has begun shipping Version 3.6 of its popular BBS package.

This update includes a new program called wcDRAW, which is being included with WILDCAT! Version 3.6 at no additional

charge. Developed for the BBS system operator (sysop), wcDRAW allows sysops to create multi-colored screens. With wcDRAW, callers to the sysop's WILDCAT! BBS will be able to view these screens when they log on via any terminal software that supports ANSI.

wcDRAW is a menu-driven utility that creates, edits and manages the various display files, menus, bulletins and help files associated with the WILDCAT! BBS. It fully supports the WILDCAT! embedded control codes, allowing the sysop to customize screens as they are being sent to the remote caller. For example, @FIRST@ would actually be replaced with the caller's first name when the screen is sent. WILDCAT! currently has 67 of these codes and new codes are normally added in each release.

wcDRAW allows the sysop to easily point and shoot at labels like "First Name" or "Company" and automatically add the corresponding code in the document. This eliminates the sysop's need to remember or look up these codes.

wcDRAW has many other features, including full mouse support, block copy, move, fill, and stamp ability. Line drawing capabilities that allow the sysop to select different line types is also included. Because wcDRAW reads WILDCAT!'s configuration and conference definition files, the sysop can see how the files look on a conference-by-conference basis.

"Our customers have always had to purchase a third party ANSI drawing program in order to create powerful color screens for their BBS," said Jim Harrer, President/CEO of MSI. "Creating screens was always a source of frustration for our customers, so we decided to develop a program that would make it fun again."

For more information about WILDCAT! please contact them at: 714-556-1313 Fax 714-556-1216 or write to: Mustang Software Inc., PO Box 2264, Bakersfield CA 93303.

## EXECNET INFO SYSTEMS

The NEW face of BBSing!

**8 HOURS connect time EVERY call!**  
**32 MB download ability EVERY call!**

Call as many times as you want, any day or EVERY day. Call for (almost) as long as you want. At ExecNet YOU decide how YOU want to use your account!

See for yourself what PC World, Byte, PC Week, Business Week and many others have written about.

**CALL NOW!!**  
**914 667-4567 (modem, 8/N/1)**  
**914 667-2150 (voice)**

ILink(sm) • Internet • Bitnet • Send Fax • Technical Databases • Games News • 50,000+ files • CompuServe/AT&T/MCI Mail • Voice support

## SAPPHIRE BULLETIN BOARD SYSTEM UPGRADED TO Ver. 4.07

Montreal, Quebec — Pinnacle Software announced the release of Version 4.07 of their Sapphire bulletin board system (BBS). This is a major upgrade incorporating more than 30 improvements.

The new version introduces: support for international character sets; a programming language for text functions; full ANSI screen control; enhanced configurability; user accounting; and hypertext documentation.

Sapphire provides standard BBS features such as: messaging, electronic mail, file transfer, and a text library. It also provides advanced features such as "doors" (external programs) and "events" (daily scheduled execution of external programs).

Tim Campbell, a spokesman for

Pinnacle, said, "Even with all the features we've added over the past year, people continue to point to ease of installation as the primary reason they selected Sapphire. We understand that in a business environment, a BBS has to be easy to setup and install, so every time we add a feature, we make sure that it does not add extra work for the installer or operator."

For more information, please contact: Timothy Campbell at 514-345-9578 or write to: Pinnacle Software, CP 386, Mt. Royal QC, Canada H3P 3C6.

## KEYHOLE PUBLICATIONS ANNOUNCES ADULT BBS GUIDEBOOK

Sycamore, IL — Keyhole publications announced that it has begun shipping The Adult BBS Guidebook (1993 Edition) by Billy Wildhack.

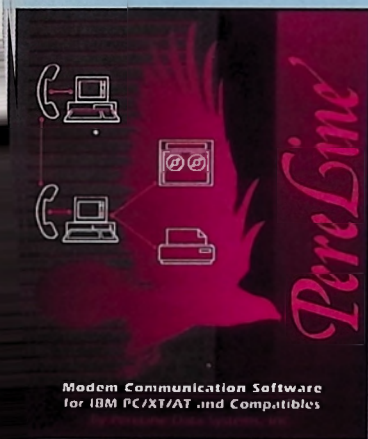
This 128 page paperback trade book is designed to provide an overview of the rapidly expanding world of adult-only computer bulletin board systems (BBS).

For more information please contact: Steven Kosek at 815-895-7900 Fax: 815-895-7901 or write to: Keyhole Publications, PO Box 35, Sycamore IL 60178.

## SCOTT BRINKER NAMED PRESIDENT OF GALACTICOMM, INC.

Ft. Lauderdale, FL — Scott J. Brinker was named President and Chief Executive Officer of Galacticcomm, Inc., a Florida corporation that specializes in PC communications hardware and software. The company's flagship product is The Major BBS, a

*Continued on page 60*



# FREE

## Remote Control Software

### 30 Day Money Back Guarantee

Send or fax a copy of this add with your order or mention it when you call for a 55% savings. This is a limited time offer for BBS Caller's Digest readers.

Features:

- Connect Directly or Via Modem
- Sessions Simultaneously
- EGA/VGA Support
- 5550 UART Support
- Context Sensitive Help
- Over 30 Terminals Emulated
- Over 100 Modems Supported
- Full Featured Host Mode
- Network Support Included

- Full Screen File Manager
- Full Screen Editor
- Powerful Script Language
- File Transfers in Background
- Password Security/Screen Clear
- Learn Mode for Creating Scripts
- ISDN Support
- Remote Control Included

# PereLine

IBM PC Modem Communications

Special Price For Version 3.2  
BBS Caller's Digest Readers

~~\$39.95~~

ONLY ~~\$89.95~~

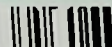
1 (800) 359-6612

## MC/VISA/AMER EX

Fax: (408) 364-2788  
(9:00 am. to 5:00 pm. PST)

PereLine Data Systems, Inc.  
750 Camden Ave. Suite B  
Campbell, CA 95008

(408) 364-2770 (voice) (408) 364-2789 (BBS)



# A LOOK INTO THE ELECTRONIC FRONTIER FOUNDATION

BY RICK ROBINSON

Freedom of speech. It may be the most closely guarded right in the United States today. And it might be slipping away.

With the relatively recent advent of electronic communication, the old rules regarding peoples freedom of speech are bound to be challenged in new ways. Online privacy issues are already arising with the ever-quickening expansion of computer bulletin boards and virtual networks. And many questions are being raised each day over how to navigate the so-called uncharted cyberspace.

Since 1990, one voice has been heard over the rest. Speaking up for freedom, civil liberty and standards of practice for this new world is the Electronic Frontier Foundation (EFF).

As stated in the non-profit organization's literature, EFF was created as a "public interest organization established to develop and implement public policies designed to maximize freedom, competitiveness, and civil liberty in the electronic social environments being created by new computer and communications



THE ELECTRONIC Frontier Foundation's Washington office staff includes Shari Steele (clockwise from left), staff attorney, Daniel Weitzner, senior staff counsel, Andrew Blau, associate for telecommunications policy, Sarah Simpson, membership and publications coordinator, Kristen Erickson, executive assistant and Jerry Berman, executive director EFF fights for the rights of online electronic communications users.

technologies. EFF was started by members of the computer networking community based on a shared conviction that an organization combining technical, legal, and public policy expertise was needed to address the democratic potential of new computer and communications technologies."

Essentially a friend to all electronic communicators (at least those seeking to maintain freedoms from government agencies with an appar-

ent aim to rein in this expanding frontier) EFF holds as its mantra, in part: The civil liberties that we have enjoyed thus far in our country's history must be protected in these new communications environments.

Based in Washington, DC, and sponsored by individual contributors, corporations and private foundations, EFF developed a matrix from which to operate. The plan includes a push for a national electronic network, defense of civil liber-



ties, sponsored legal services and 'community building.'

Taken together, the scope of EFF is vast. One must break the Foundation into the aforementioned parts to better understand its intent.

## NATIONAL NETWORK

EFF has been proved tireless in its work to encourage Washington policy shapers to birth a nationwide electronic network capable of transporting voice, video and data. The Foundation's "Open Platform Proposal" lobbies for a network available to every U.S. home at a price affordable by all. Currently the Integrated Services Digital Network (ISDN) technology is the being advocated by the Foundation for implementation, for its efficiency and reasons of economics. ISDN meets all the requirements at a low cost and sort of acts as a stand-in for the expensive fiber optics. The digital telephone lines — on copper wires — allow for multiple use (eight devices), including videophones, fax machines, telephones and computers — simultaneously. (A white paper has been produced by the Foundation describing available applications for ISDN).

We've all read about the plans of the Clinton-Gore administration along these lines: A high-capacity technological superhighway, allowing the exchange of information in the form of words, video, music etc. What you may not be aware of, however, is the ongoing rift that developed at the beginning of this year between the government and the private sector as a result of the plan.

Vice President Gore advocates the construction of the network by the U.S. Government. It is no surprise people like Robert Allen, chief executive at AT&T, disagree. Allen, as told by the New York Times in January, thinks the government should not build such a superhighway and that the giant network ought to be built, owned and operated by the private sector...such as themselves.

Gore argues the private route would end in an exclusive, expensive

network available only to the privileged or those with money to gain access. According to Gore, his vision is a public one.. A public supernet-work with access for all

Americans, regulated by the U.S.

Government but run by private industry.

Similar, as the Times pointed out, to what happened to Internet:

Government funding builds the network.

Private sector offers most of the services. Government regulates.

EFF has a different point of view:

"Government should declare victory and get out," said Mitchell Kapor, chairman of the board at EFF and founder of Lotus Development Corporation., in the broad Sunday Times story. He pointed out that the ISDN could simply be upgraded as advancements are made and that utilization of ISDN now by telephone companies makes the most sense.

There is little argument to rule out ISDN's use in schools, at home

and in business. Indeed, EFF has for some time been working with key figures in Washington to craft legislation encouraging people to

achieve the means by which entities such as internet and NREN (National Research and Education Network) are more easily accessed. These are but two grand sources of information and communication, many others are under-used. It is one of EFF's objectives to change this.

---

*The digital telephone lines—on copper wires—allow for multiple use (eight devices), including videophones, fax machines, telephones and computers—simultaneously.*

---

## CIVIL LIBERTIES

"EFF is a unique organization, operating at a critical moment," said EFF Executive Director Jerry Berman, in a recent issue of Networks & Policy, the Foundation's quarterly newsletter. "Major policy decisions affecting free speech and privacy will be made over the next several years. Combining technical, legislative and legal expertise, EFF is committed to engaging in vigorous advocacy for our vision of the electronic future, which

*Continues...*

PENS IN HAND, Blau, Berman and Weitzner plot their course at a recent informal legislative strategy planning meeting.



we hope you share..."

For those sharing the vision, information on making connections is supplied at the close of this article.

Part of its advocacy is focused on "common carrier principles." It is well accepted that common carrier principles are vital to the proper growth and expansion of the electronic communications world. Accepted, that is, once the "common carrier" principles are described: network providers are required to carry all speech, regardless of its controversial content. There are those which do not necessarily follow this, such as the Sears-IBM Prodigy Service which reserves the right to withhold information except in private exchanges. Furthermore, common carriers must also provide all speakers and information providers with equal, nondiscriminatory network access.

EFF has shown itself undaunted in the face of government strong-arming. Last year, in response to the FBI's introduction of legislation requiring communications tech-

nologies to be certified as open to legal spying — lawful government surveillance of technologies before those technologies are offered — EFF organized a multifaceted force of public interest groups, computer



STEELE finishes EFF comments on the proposal amending sentencing guidelines for the Computer Fraud & Abuse Act.

and telephone communications interest groups to band together in opposing the proposal. As well, the Foundation continues its efforts to persuade Congress that "all measures that support broader public access to information should be enacted into law. For example," notes

EFF, "the law that establishes citizen access to information, the Freedom of Information Act (FOIA), does not require government agencies to turn over the electronic version of information, which is often the most useful version."

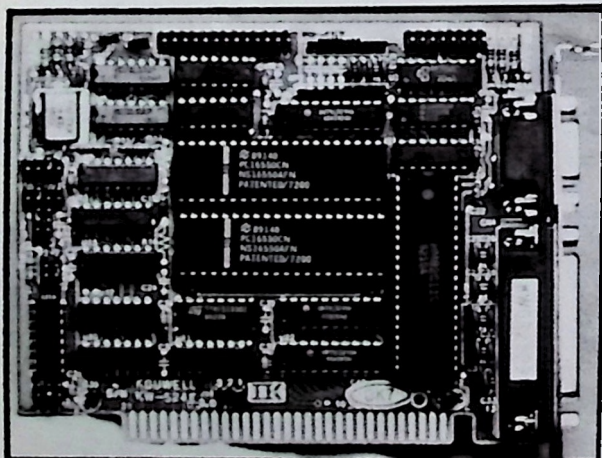
EFF also backs "an Electronic Freedom of Information Act and other legislation to make information more accessible to citizens."

Taking another step toward privacy, EFF supports technical and legal means to boost privacy in communications. That is, the Foundation fully advocates "all measures that ensure the public's right to use the most effective encryption technologies available."

## LEGAL SERVICES

Putting money where its mouth is, as part of its mission EFF has developed an arm of legal services to defend users whose online civil liberties have been violated. The Foundation actually sponsors the legal cases, the most noted of which

## KW-524E-1 SERIAL/PARALLEL GAME CARD



- \*For XT/AT/AT386/486 Systems
- \*With NS 16550-AFN (FIFO, 56000BPS Max.)
- \*Two RS 232 Serial Ports (Both Socketed)
- \*COM1 to COM4 Selectable
- \*4 Independent IRQ levels for Serial Ports (IRQ3,4,5,9)
- \*One Printer Port (LPT1,2,3,selectable with IRQ7)
- \*One game port
- \*\$30.90 (1-16550) \*\$41.85 (2-16550)

# TSD SYSTEMS

525 South C.R.427, Suite 125, Longwood FL 32750  
Tel: (800) 331-9130 Fax: (407) 331-8130

was a civil suit against the United States Secret Service by Steve Jackson Games of Texas.

As reported by this magazine in two thorough segments in its April and May issues, this case is one bound to have far-reaching implications for all onliners. Steve Jackson Games, a Texas fantasy books and games producer, was subject to a seizure by the U.S. Secret Service in early 1990. Taken were three computers, five hard disks and over 300 floppies. According to the Secret Service, the object of their search was a file that supposedly compromised the integrity of the 911 emergency telephone communications system. It seems in September of 1988 somebody accessed a BellSouth computer and copied a telephone company document describing the makeup of the 911 system. As is turned out, however, the document was actually

an "E911" file containing no passwords or access information. Insiders say it was a complicated and technically written document; a document holding information that had been published and offered for sale by Bellcore and other companies.

Nevertheless, the Secret Service diligently followed the trail of the E911 file to the online newsletter Phrack, to a Steve Jackson Games employee and finally to Steve Jackson Games. Trouble is, no E911 file was found. The Service was wrong.

After a spate of bad press, delay of book production, layoffs and the return of his equipment absent of 162 E-mail messages, Jackson and a few of his BBS users — along with the help of EFF — brought a civil suit against the US Secret Service.

It was May of 1991 when Jackson filed his claim saying the search warrant used by the Service raid was inept. He sought protection under the Electronic Communications

ASSOCIATE Blau takes a break from coordinating the Communications Policy Forum's next meeting.

Privacy Act (ECPA) and on January 26 of this year the U.S. District Court trial began.

In short order the judge in the case began berating Secret Service Special Agent Thomas Foley for his and the Service's actions. Lawyers for the government, astounded at the display, refused to call waiting witnesses. And on March 12 the decision came down firmly on the side of Steve Jackson Games and the

---

*The three were awarded \$1,000 each, including attorneys fees and Jackson Games won \$50,000.*

---

three "E-mail" plaintiffs. The three were awarded \$1,000 each, including attorneys fees and Jackson Games won \$50,000.

Says Berman, "EFF not only wants to litigate future Steve Jackson Games-type cases,

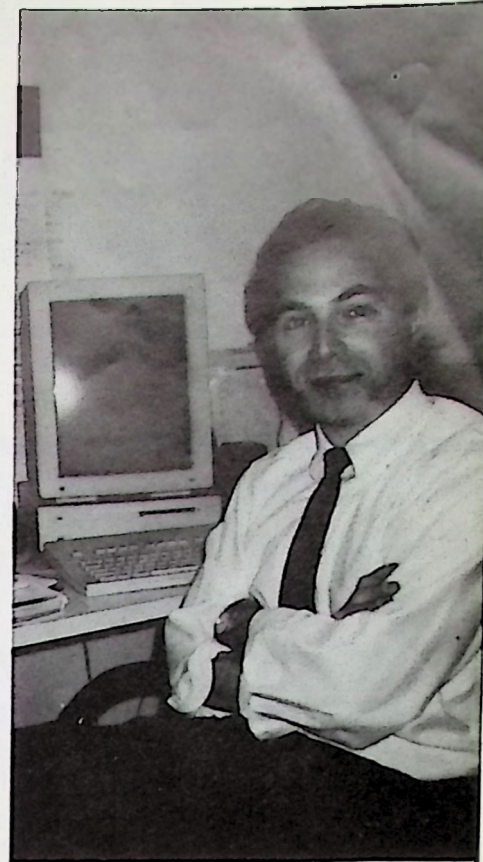
but we want to avoid the need to do so by establishing new Secret Service and Investigative guidelines that keep law enforcement officers from trampling on the First and Fourth amendment rights of computer users..."

Members of EFF are offered the use of a free telephone 'legal' hot line. Questions surrounding the rights of the online community members are answered through the hot line; instances where those rights are thought to have been placed in jeopardy are researched.

EFF staff communicate with members of the community outside the online realm as well. The EFF team sets out into the general public to speak with law enforcement organizations, state attorney bar associations and university classes on the work it does.

### INTO THE COMMUNITY

As pointed out, EFF works stridently with various interest groups and or-



ganizations to foster a better understanding and relationship among key elements in the virtual world.

Together with the Consumer Federation of America and the American Civil Liberties Union, EFF organizes and sponsors the Communications Policy Forum. Known as

*Continues...*

## BBS INCOME

**Free** Report on how to go from \$0 to \$3,000 per month in BBS income in as little as 90 days!

This valuable report reveals money making information on how to operate a BBS for profit. It outlines powerful marketing secrets including unique ways of finding new subscribers and how to get them to pay you top dollar; guaranteed ways to generate other revenue plus the secrets to getting free publicity and being able to accept credit card payments; plus much more.

BBS Marketing  
56089 29 Palms Hwy. Ste 254-C  
Yucca Valley, CA 92284  
1 (619) 228-9653  
FAX 1 (619) 369-1185

Prepared by the publishers of The BBS Marketing Newsletter - the quarterly newsletter for Sysops.

# IF YOU HAD THREE WISHES,

Take a close look and you'll see why so many sysops are switching to the Synchronet Multinode Bulletin Board System. For one, message networking is second nature for Synchronet. Not only does Synchronet support FidoNet, QWK, and PostLink (RIME) message networks, but network considerations are integrated into every aspect of the BBS. Synchronet's hierarchical message and file areas are the perfect organizational solution for today's multi-network message and CD-ROM file areas. Synchronet has many built in features that other packages either don't offer or require an add on, such as multichannel and private key by key chat, offline reader features, and multiuser CD-ROM support. First time operators appreciate Synchronet's elegant menu driven configuration, while experienced sysops revel in its wealth of options and flexibility. The list goes on and on. But don't take our word for it, check out the competition first. With Synchronet, you won't need three wishes.

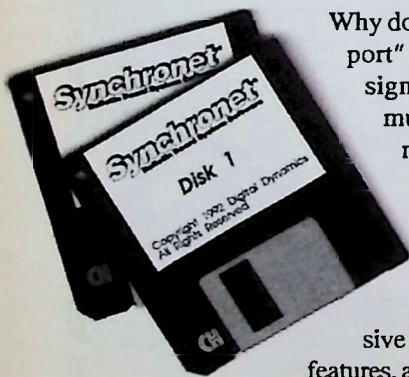


## Feature and Price Comparison for an 8 node BBS on a single 486 PC

	Synchronet	Wildcat!IM	PCBoard/M	MajorBBS	TBBS
Node license	\$199	\$799	\$440	\$508	\$895
Multitasker	\$200	\$200	\$200	Yes	Yes
8 port I/O	\$300	\$800	\$995	\$575	\$500
Multinode chat	Yes	Yes	Yes	Yes	Yes
Multichannel chat	Yes	Extra	No	Yes	Yes
Private key by key chat	Yes	No	No	Yes	Yes
Offline reader support	Yes	Yes	Extra	\$199	\$99
QWK networking	Yes	Yes	Extra	No	Yes
FidoNet import/export	Yes	Yes	Yes	Yes	Yes
Send/receive NetMail	Yes	Yes	No	No	Yes
PostLink (RIME) support	Yes	Extra	Yes	Extra	No
RIPscrip GUI support	Yes	No	No	Extra	No
Novell/DOS LAN support	Yes	Yes	Yes	Yes	No
976/900 billing support	Yes	No	No	Extra	Extra
Real-time node activity alerts	Yes	No	No	Yes	Yes
Enhanced CD-ROM support	Yes	Yes	Yes	Extra	Extra
Multiuser SDK	Yes	No	Extra	Extra	Extra
Incoming FAX support	Yes	No	No	No	No
Chat between doors	Yes	No	No	Yes	No
Bidirectional file transfers	Yes	Yes	Yes	No	No
Multiple user command sets	Yes	No	No	No	No
Supports DOS doors	6 types	1 type	3 types	No	No
Hierarchical msg & file areas	Yes	No	No	No	No
External transfer protocols	Yes	Yes	Yes	No	No
<b>Total price</b>	<b>\$699</b>	<b>\$1799</b>	<b>\$1635</b>	<b>\$1282</b>	<b>\$1494</b>

Prices do not include CPU or modems. Features and prices compiled from vendor supplied information 2/93, are subject to change without notification. Wildcat!IM, PCBoard/M, MajorBBS, TBBS, QWK, FidoNet, PostLink, RIME, RIPscrip, Novell, and DOS are trademarks or their respective companies. Commercial or Shareware Toss/Scan utilities are required for some message network technologies.

## YOU COULD TOSS THE OTHER TWO.



Why doesn't Synchronet have a special "multiport" version? Because Synchronet was designed from the ground up as a high-speed multinode BBS capable of running up to 10 nodes on a single 486. It's advanced interrupt driven output design combined with DESQview optimizations maximize CPU utilization, allowing Synchronet to out perform other systems running special "multiport" versions on expensive coprocessed I/O cards. For performance, features, and value, nobody beats Synchronet.

## Synchronet BBS

Multinode Bulletin Board System Software

### Undeniable Value

2 Node License	\$ 99
4 Node License	\$ 149
16 Node License	\$ 199
250 Node License	\$ 399
Multiuser SDK	FREE

Node license upgrades are available for the difference plus 10%.  
Minor revision upgrades can be downloaded free of charge.

## Digital Dynamics

P.O. Box 501 Yorba Linda, CA 92686  
(714) 529-6328 voice (714) 529-9721 FAX

### Download the Free demo version:

(714) 529-9525 2400bps (714) 529-5313 9600+bps v.32  
(714) 529-9721 9600+bps ZyXel (714) 529-9547 9600+bps HST



**FRONTIER FRIENDS** Erickson and Simpson assure administrative matters of EFF are covered.

CPF, this forum brings together nonprofit organizations, computer and communications firms, and government policy setters. It allows some of them to take off political hats and meet on an equal basis to discuss the strategies and goals of the coming electronic communications revolution.

"EFF coordinates a broad coalition of organizations," said Berman, "— from public interest groups like the ACLU and CPSR to companies interested in the future of communications like AT&T, Microsoft, Lotus and Sun Microsystems..."

The Foundation also works with local organizations supporting issues of online communication. For instance, this January EFF brought together numerous groups from across the country to focus on common goals. The popular Computers, Freedom and Privacy Conference — held once a year — also has a powerful sponsor in EFF. The conference collects the top academics, civil libertarians, law enforcement officials and computers users for meetings and discussions on the implications of privacy, or lack thereof, of online communications. Pioneer Awards are given to those making the most significant strides in the evolution of computer communications that year.

### ONWARD

Throughout '93 EFF plans to continue its role as an implementer and developer of "public policies that maximize freedom, civil liberty, and competitiveness in the new media environments being created

by new computer and communications technologies."

The Electronic Frontier Foundation set a number of goals this year which it continues to strive toward. These include Open Platform Implementation which in part pursues the use of ISDN; Open Platform Research and Long Term Strategy,

which includes the role of cable television networks in meeting future communications needs of the U.S.; Digital Privacy; Common Carriage & Electronic Free Speech, including the publishing of legal white papers informing BBS operators, telephone companies and state public utilities commissions about the civil liberties implications of their actions; Evolution of the Internet and the National Research and Education Network; Public Right to Know; and, the Communications Policy Forum.

To reach the Foundation, EFF has made itself available on two fronts: voice, at 202-544-9237, and on the Internet at [eff@eff.org](mailto:eff@eff.org). As for the Internet connection, EFF maintains several communications forums with its own node, [eff.org](http://eff.org). It is here that the ftp and gopher sites are housed, as well as the discussion areas [comp.org..eff.talk](http://comp.org..eff.talk) and [comp.org.eff.news](http://comp.org.eff.news). For the record EFF also maintains a conference on the Whole Earth 'Lectronic Link (WELL). ■■■■■

### CD PowerBox V1.00

Fast Becoming a New Standard

621 Meg. of 100% Shareware

BBS Ready with FILES.BBS Descriptions

Easy User Interface for NON-BBS Use

TRUE Windows User Interface

**\$29**

Monster Disc

2 CD Set

**\$45**

Shareware

Extravaganza

**\$50**

Many, Many More Titles

Call for Free Catalog

**DESIGN SYSTEMS**

1625 So. Alabama Ave.

Suite C

Monroeville, AL 36460

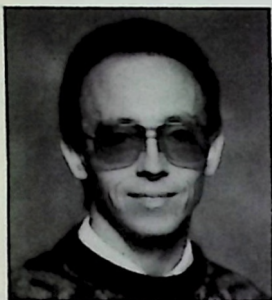
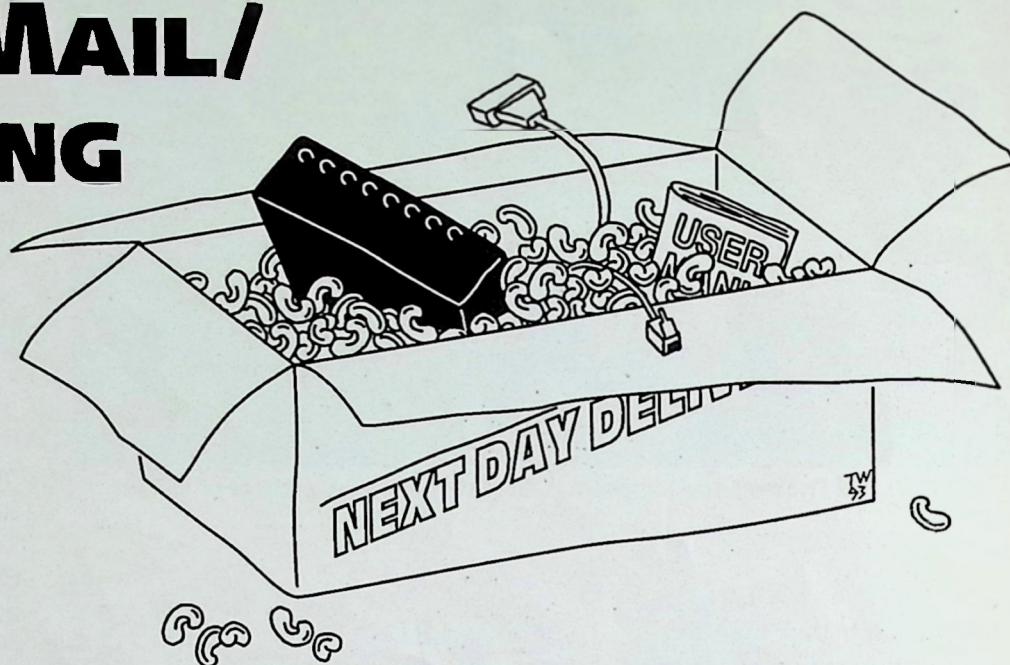
Orders Only 1-800-239-4CDS

Information (205) 575-3422

BBS (205) 575-1924

# ONLINE MAIL/ MESSAGING

BY WALT LEDBETTER



**H**ello, again. I trust last month's introduction to BBSing gave you some insight about the

potential experiences you have at your fingertips and that you dialed up a few BBSes to begin your tour of this exciting hobby. There are many different areas of activity available on a BBS, among those; messages and mail.

## MESSAGES AND MAIL - COMMUNICATING WITH THE WORLD

Even with all of the new features and frills appearing on BBSes, the "Messages" still remain the central attraction to most people. Yet calling them "messages" may be somewhat of a misnomer. They are much more than just leaving a short message to someone you know. They are an electronic form of socializing. You need not know anyone else who uses the BBS to become involved in the conversation.

When you first log onto a new BBS, simply leave a message to 'ALL' introducing yourself. Soon

you will find yourself talking to all sorts of new people. It is surprising how many new and interesting people you can meet who share your same interests on a BBS. Now with international message echoing, you can be in touch with thousands of other users around the world!

The old form of Pen Pal writing has really met some serious competition and in some ways is outdated by the ability to communicate over the modem. Considering the speed of the postal system and especially overseas mail, 'messaging' by modem is much faster enabling a faster turnaround of information. What might take weeks by mail could take only days by modem. Friendships can build faster, answers to important questions can be delivered more timely.

People have traced their family roots, met their spouses and much more, all through bulletin boards! As well as giving you a chance to meet new people, you can discuss issues and hobbies of interest to you. You can ask questions about everything from cooking to science to Word Perfect, or just learn a bit more about other cultures. The lat-

ter is of particular value to school aged children learning social studies in the classroom. Information gained from an international communication can greatly increase a child's understanding of life outside their own microcosm. The information is usually much more accurate than a textbook since it is so much more current.

The messages on a BBS are classified into different message areas, according to the topics of messages in a given area. For example, typical message areas might be named "General", "Programming", "Star Trek" or "Teens". If you are interested in the message area, the best thing to do is to take the time to read the messages in that area. This will allow you to get a feel for what type of conversation is going on in that area. Then, just jump right in and join some of the conversations! It might not be easy at first, but before long you'll find you are really enjoying it!

You will also find different types of messages on a BBS.

## PUBLIC LOCAL MAIL

These are messages that can be read

by everyone that calls this BBS, but are not available on any other BBS. Since these messages are "public" in nature (ie, they can be read by anyone, not just the person to whom it is addressed), they are especially useful for taking part in "round-table" discussions. Anyone can jump in at any time to make their own contributions to the conversation.

Just because a message in one of these areas isn't addressed to you, doesn't mean you shouldn't reply to them. Instead, don't hesitate to join in! The only messages that aren't intended for you to read or reply to on the BBS are the ones that you won't be able to read anyway!

### PRIVATE LOCAL MAIL

These are messages, like the "Public Local Mail", that are only available by calling the BBSes where they were written. Unlike the public message, a private message can only be read by the person who wrote it, the person it is addressed to, and the SysOp. This is where you would want to leave a private message to another user on the BBS.

### ECHOMAIL

EchoMail areas contain messages that can be read and replied to on many different BBSes. Sometimes these will just be various BBSes from around the area. Much of the time though, these will be BBSes throughout the country, continent, or even around the world. In many respects, the messages in EchoMail areas are similar to those in the public local mail areas. However, when you write messages in an EchoMail area, it will be "Echoed" to all BBSes that receive this particular echo.

This usually occurs in a matter of a day or two! Since many people usually pay to transfer every message

you write around the world, you should try to keep your messages on-topic for the particular message area. You should also stick to the rules of the particular EchoMail area.

---

*...when you write messages in an EchoMail area, it will be "Echoed" to all BBSes that receive this particular echo.*

---

### NETMAIL

NetMail is a sort of private form of EchoMail. Like local private messages, NetMail message can only be read by the person who wrote the message, the person who the message is addressed to, and SysOps. However,

unlike EchoMail, NetMail messages are not sent to all of the systems connected to the BBS Network, but only a single system.

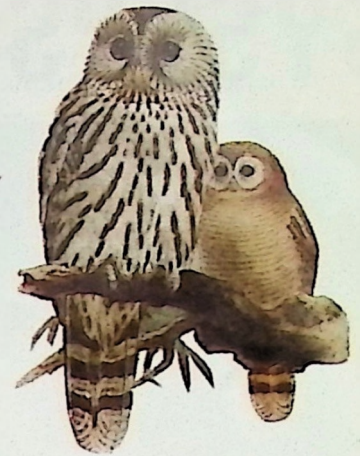
Thus, you can use NetMail to write a (semi)private message to a user on a particular BBS in another city or country. This may be someone you met through an EchoMail area or someone you already knew. In order to send a NetMail message, you must know not only the name of the person to which you wish to send it, but the "node address" of the BBS which that person will call.

There are other options that message types have in common, such as the ability to "quote" messages. When you are replying to a message, you will often want to "quote" part of the message. This will help maintain the continuity of the conversation. Quoted text will usually appear in your message with the user's initials, followed by a '>' symbol. For example if you were replying to a message written by Jean Daniel, and quoted from it, your message might appear as:

Hello Jean!  
JD> What did you think of the BBS party?

It was really great!! I never thought I'd have so much fun

*Continues...*



**Rusty**

**Edie**

### Dual Eliminator

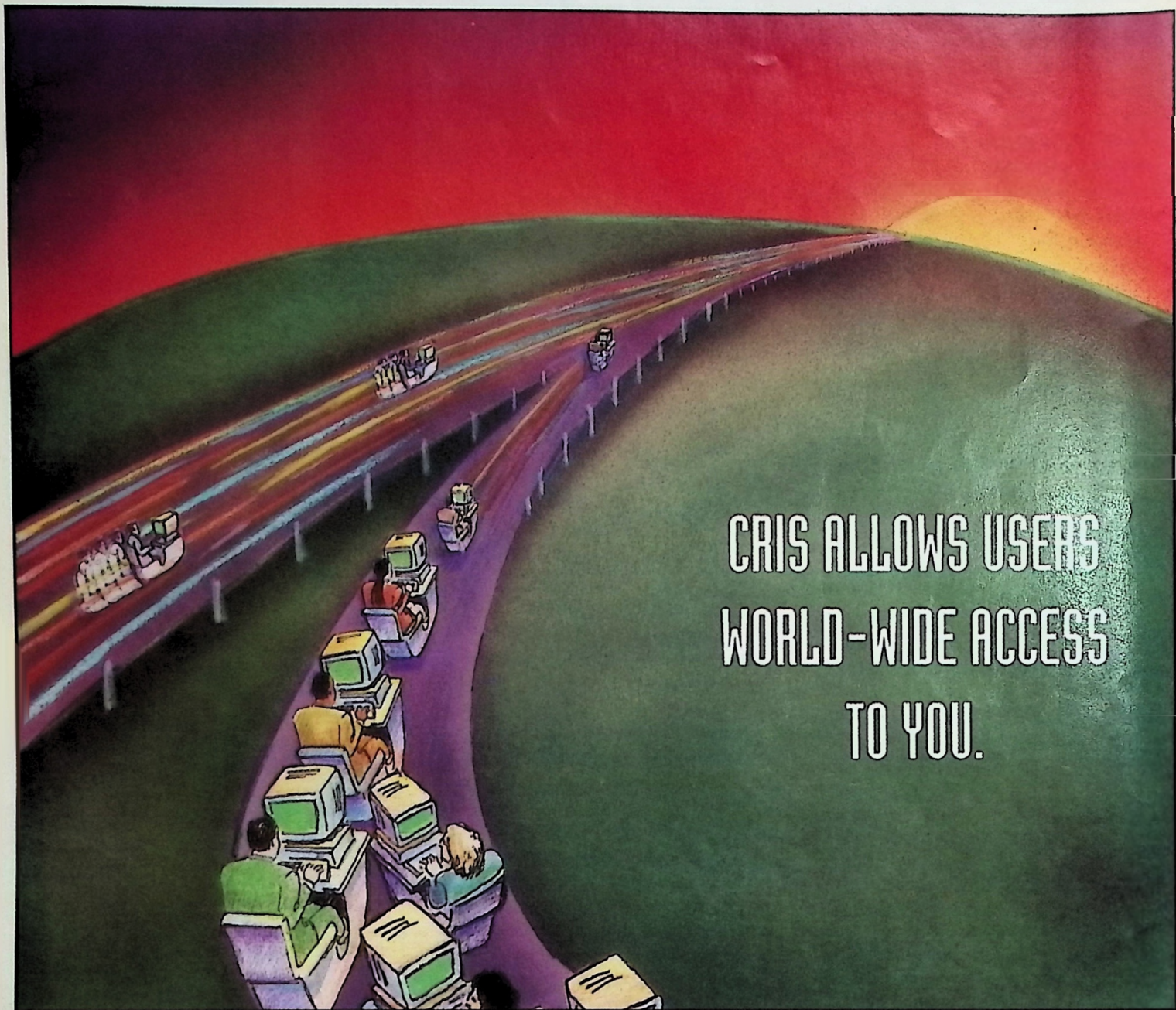
Rusty n Edie's BBS announces the introduction of our their **Dual Eliminator**. Simply plug your phone line to the Dual Eliminator and then plug the Dual Eliminator into your modem. This device consists of 2 passive electronic filters that handle both high and low frequency noise from the phone line. Both high and low frequency are independently adjustable with knobs that mount on the front of the unit. Surge protection is provided by an electronic varistor.



A light emitting diode, also mounted on the front of the unit, glows whenever the device is eliminating noise from the phone lines. This device can solve the majority of noise problems associated with telecommunications today, and is sold with a 30 day, money back guarantee. They sell for \$25 each plus \$4 shipping and handling. To order, call Rusty n Edie's at 216-758-8342 or call their BBS number 216-726-3589, they will accept Visa or MasterCard.

Rusty n Edie's BBS  
1480 Fredricksburg Drive  
Youngstown, OH 44512

# SYSOPS: ONRAMP TO CRIS NOW!



CRIS ALLOWS USERS  
WORLD-WIDE ACCESS  
TO YOU.

**CRIS IS A FULL SERVICE INFORMATION PROVIDER THAT WILL HELP YOU:**

- ✓ Expand your user base
- ✓ Increase your availability
- ✓ Generate revenue
- ✓ Broaden your exposure

**CALL CRIS NOW:  
1-800-745-CRIS**

E-MAIL  
Major net: [simon@crc](mailto:simon@crc)  
Internet: [jim@cris.com](mailto:jim@cris.com)



226 East 54th Street,  
New York, NY 10022  
Phone: 212-753-2544  
Fax: 212-935-5635



meeting people I had been writing to....

The BBS will allow you to select the lines you wish to quote from the message to which you are replying, and automatically place these lines in your message for you. In EchoMail areas, you may wish to limit the size of text you quote in your message, to help limit the size (and thus cost to other people) of your message.

A few thoughts come to mind that should be shared with the new BBSer. Since there are many ways to look at an issue, some positive, some not, the possibility always exists that a particular view will not be agreed with by someone else on a BBS. The issue of diplomacy is important in this area. What I advocate is keeping an open mind and discussing why a person may think in a certain direction.

I've read on more than one BBS the quote "attack ideas, not people." I don't advocate "attacking" anything or anyone. The United States of America was founded on principles of free speech and other freedoms. Caution should be taken in order to preserve our basic freedoms. Neither is verbal abuse a right, nor squelching a particular view. Ideas should flow and a good practice would be re-direction should a message begin to go over the edge.

If a message becomes inappropriate, the best option is to alert the Sysop to the offending comment so the appropriate warning can be issued to the party involved. BBSes have rules

stated early in the logon or in the bulletins and they must be followed by all in order to maintain the integrity and flow of thoughts.

Messaging is an important activity to BBSing and done properly can bring about a wealth of information exchange. The old adage, "Two heads are better than one." is improved upon. In the days of the covered wagon, news would take months to reach a destination. With that limitation, misunderstanding or

error was indeed existent. Today, by modeming, rapid exchange of information can help increase accuracy and understanding of the issues of the day. Walls of prejudice can be tumbled down, shown for what they are; misunderstanding of what is different. Messaging can help callers find their similarities— cities, or even continents apart. Go forth and spread the wisdom each of you has in your hearts and minds. The world will be a better place. ■■■■■

**GARLIQUE**  
*Image Center*

**Excellence On-Line!**

*By Modem:*  
**408-847-0665**

# ANSI AND A MAC!

BY MICHAEL A. KUYKENDALL

If you would like to view the ANSI graphics common on IBM boards, you can, with some software packages.



One of the biggest confusions that confronts the novice Mac modem-user is when that

person logs onto his or her first IBM bulletin board that uses ANSI graphics. More likely, this person utters an exclamation of some type (pick your favorite) as these bizarre characters go flying across their screen. No, this is not some bizarre new language, but the commands that make up ANSI graphics.

Some experienced telecommunicators, or self-acclaimed "modem-surfers", that I know still do not know how to deal with these characters and just spend time trying to pick out the command letters from amongst the ANSI characters/commands. However, this is not as big a problem as one would believe. Most telecommunication packages allow for ANSI graphics emulation. The trick is to know how to set your program to do this.

This month, I have picked out 4 of the most commonly used commercial telecomm programs. These programs include Microphone II, Smartcomm II, VersaTerm, and

White Knight. Contact information and pricing info for each of these packages may be found at the bottom of the article. For each of the programs, I will tell you the steps needed to set your program up to display ANSI graphics from any of your favorite ANSI boards.

## MICROPHONE II

After launching the application, go over to the "Settings" menu, click and pull down until the word "Terminal" is highlighted and release. Next, you will be presented

---

*Most telecommunication packages allow for ANSI graphics emulation. The trick is to know how to set your program to do this.*

---

with a dialog box containing settings for the type of computer emulation you want to use. Click on the "PC ANSI" button, then choose "OK". You are now ready to call the ANSI bulletin board, it's that easy.

## SMARTCOMM II

Same as for MicroPhone II, except that for emulation, you choose "ANSI BBS" instead.

## VERSATERM

In VersaTerm, you go to the "Emulation" menu, click and pull down until the words "Text Attributes" are highlighted and release. Next, you will be presented with a dialog box containing different settings. Check the box marked "ANSI Color Graphics", then click "OK". Now you're ready to use ANSI graphics.

## WHITE KNIGHT

White Knight is the most difficult and confusing of all the packages to implement the use of ANSI graphics. You go to the "Local" menu and select the "Window" option. You then choose "Color". Then you enable color for the text and status bar. Then you execute a procedure as shown on pages 249-250 in your manual. After reading all this garbage, I contacted the people out at FreeSoft to see if there was an easier way.

FreeSoft suggests that you use a procedure, written by a third party developer, that brings up a dialog

box that lets you pick the emulation that you desire. Pick "ANSI". This procedure may be found in a Stuffit file called "Easy Emulation.sit".

(Stuffit is an archiving and compression utility we will discuss in another article). This file may be found on pay services like GENie, CompuServe, America Online, etc. Or it may be found on the FreeSoft BBS at (412) 846-5312. To become verified on the BBS, you'll have to answer 3 questions from the White Knight manual, then you're automatically verified and you can enter the libraries and download the file.

You're probably wondering why I haven't mentioned one of the earliest telecommunications software packages for the Mac, MacTerminal. Probably one of the granddaddy programs of all time, I hadn't personally used MacTerminal since the days of my 512K Mac, back in 1984 or '85. After contacting Apple Computer to try and get information on the package, I found that the only real informative person that could give me technical information on MacTerminal was my local certified Apple dealer. And what I learned from my local Apple dealer was that no one in the store had ever used MacTerminal. They were all familiar with the 4 other packages mentioned in this article, but none had ever used MacTerminal. I did find out that they "believed" that MacTerminal did VT100 emulation, but didn't know about the ANSI part. I'll post details next month about the real ability of MacTerminal.

Finally, I'd like to ask a favor of Sysops as a longtime user of bulletin boards. Some boards ask at login whether or not you want ANSI graphics. Please configure your boards to allow such an option. If you call a board, but don't have your

emulation set to ANSI, one has to stumble around and try to log off, or

---

*By allowing an option  
for ANSI graphics,  
...your board will not  
have to reset and clear  
the phone line for the  
next available caller.*

---

drop carrier, and call back later with the emulation turned on. By allowing an option for ANSI graphics, you save a lot of time, and your board will not have to reset and clear the phone line for the next available caller. ■■■■■

*Michael A. Kuykendall is a veteran Mac User and crony from the days of 64K ROMs and 400K floppies. He has been an overworked officer for 3 Mac User Groups, written for several computer publications around the country, and is currently President/Sysop/General stunkie for the Online Macintosh Users Group, based out of Atlanta, Georgia. Why, he even has the home phone number of Guy Kawasaki. Comments and or suggestions may be sent to him in care of this publication.*

For more information on packages mentioned in this article, contact:

MacTerminal, ver. 3.0  
Apple Computer, Inc.  
Cupertino, CA 95014  
408-996-1010

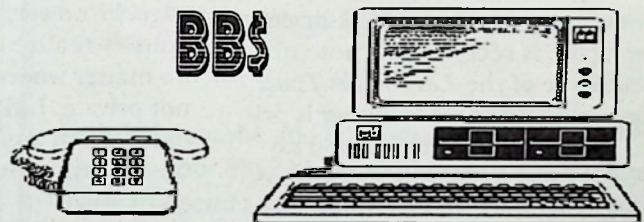
Microphone II, ver. 4.0.2  
Software Ventures Corp.  
2907 Claremont Ave.  
Berkeley, CA 94705  
510-644-3232

Smartcomm II, ver. 3.4  
Hayes Microcomputer Products, Inc.  
P.O. Box 105203  
Atlanta, GA 30348  
404-441-1617

VersaTerm, ver. 4.6.3  
Synergy Software  
2457 Perkiomen Ave.  
Reading, PA 19606  
215-779-0522

White Knight, ver. 11.14  
The Freesoft Co.  
105 McKinley Rd.  
Beaver Falls, PA 15010  
412-846-2700

**Earn \$1416 a day with your own BBS!**



Learn how in the New  
**PREMIERE BB\$ PROFITS**

**Video Tutorial and Starter Kit \$99.95**

(includes shipping 2 day mail). The Premiere Kit includes the how-to videotape, the how-to manual, and much more!  
**The Ultimate BB\$ Profits Kit for \$499.95** includes The Premiere Kit, The Major BBS Professional Bulletin Board System V6.0, and the How to Write a Business Plan Program by the Small Business Institute, plus much, much more. Call for shipping rates outside U.S. Add \$10.00 for C.O.D.'s

To order a kit call toll-free **1-800-453-8308** anytime, or to receive a **FREE** information packet call DREAMWORKS 1-602-893-3988 anytime, or write to BBSDG Profits, 5037 East Keresan, Phoenix, Arizona 85044

Visa, Mastercard, C.O.D.'s, checks, and money orders welcome.

C.O.D.'s - money orders or cashiers checks only.

Please allow 2-3 weeks for check orders.



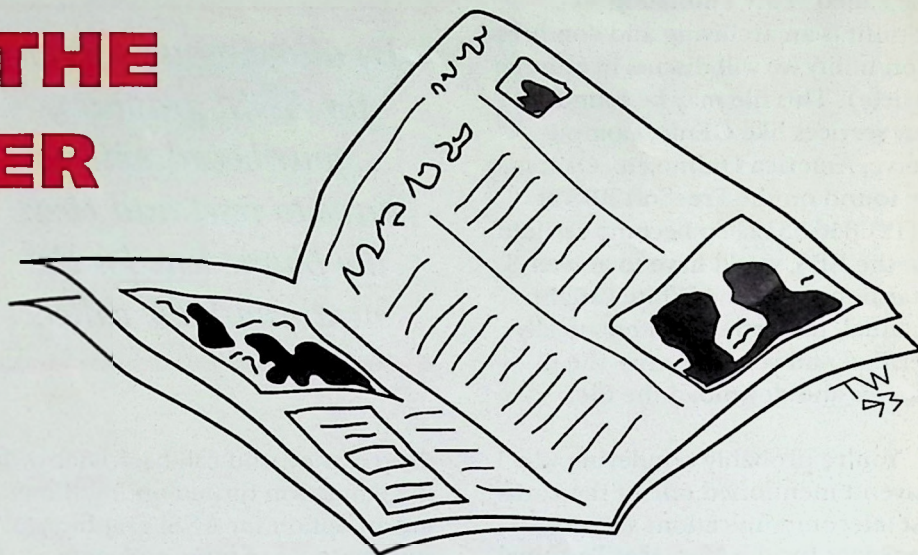
**SUBSCRIBE TODAY**

Call Toll-Free 1-800-822-0437

Charge your subscription to your Visa or MasterCard.

# CRACKING THE NEWSLETTER MARKET

BY LAURA BELL



## A SHORT NOTE ON THE TECHNICAL SIDE

Software companies are back in the news again. A recent short note in a recent issue of the *Los Angeles Times* makes one wonder if anything is private. Be careful about what you say in your e-mail to anyone at anytime, especially when it has anything to do with your own business or your employer's. You may find yourself in court.

Gordon Eubanks, chairman and founder of Symantec Corp, was accused of 11 counts of receiving stolen property and conspiracy. Eugene Wang, a software engineer who left Borland International last September to join Symantec, was charged with 21 criminal counts of conspiracy and trade-secret law violation. On the day Wang, 35, announced his resignation from Borland, he sent 12 computer messages (e-mail) containing sensitive Borland corporate secrets to Symantec. Police officers searching

Symantec's offices in Cupertino and Eubanks' two residences in the Bay Area found evidence that Wang's messages were received.

I can see basic privacy laws, First Amendment and other basic constitutional and untried issues here brought into these type of suits in the future. Life in the changing tech world is always keeping us on the edge. However, a word to the cautious — realize that e-mail messages, no matter where they are sent, are not private. I will keep the BBR updated when any more information on this issue comes up.

## NEWSLETTERS!

So you really want to go into the desktop publishing (DTP) business, only you still don't know which portion of DTP you want to get into.

Over the past several months, we have discussed several ways to enter the business, all of which, can produce a good income. This month, I would like to discuss an avenue of DTP that, while being a little more involved, can produce a recurring income, the world of newsletters. (Sorry Ms. Bell, your secrets are about to become public knowledge).

"Oh brother," you say. "I don't want to be tied down to a routine every month, and have to meet a

deadline."

Well, with a little planning and forethought, it can easily be a non-routine business. It can even be fun. Let's look at the total picture before you make up your mind.

Recently, my teenage daughter attended a modeling course at a local division of the national Barbizon School of Modeling. She saw an ad in a magazine and responded. This turned out to be a long term course over several months.

Since the daily course was from 9 to 5, I had to drop her off in the morning, then return in the afternoon and pick her up. Most of the parents came into the waiting area, and sat around for awhile, waiting for dismissal. Occasionally, there was an advertisement placed on the bulletin board seeking people to fill an upcoming modeling event, or announcing a new course being introduced, or something of importance to the students.

Being an "Idea Man," this set my mind to jingling. They had no real way of keeping in touch with students and their families, beyond this bulletin board, or an occasional announcement during the class itself. I approached the director and mentioned this. She said they had been thinking about this matter for some

time, but hadn't really thought of an economical way to solve it. A newsletter would be great, but it would take a lot of their time and be expensive.

A couple of months after completing the courses, I received a phone call from school stating that they had a potential job for my daughter and would like her to come in for an interview. Again, I thought this was a very slow and uneconomical way of generating business. My mind began to operate in high gear. When we went to the school for the interview, I cornered the director.

I again stressed their need for a means of communication. I suggested that I would be interested in producing a newsletter for them that would keep their students (and their alumni) informed of upcoming and ongoing events. This would help them generate repeat business, rather than having to continually rely on advertising for new business.

I then went one step further, and explained I would be willing to do it at no cost to them. The only things I would need from them would be information and articles they wished to inform the students and alumni about, and a complete mailing list of all past, present, and potential students. She said she would think about it.

Within a week, the director called and said they were ready to sit down and talk turkey. (They wanted to go ahead with my idea).

Okay! You say I must be nuts. Not wrapped to tight. Must have a few loose screws. Who in their right mind would put out a newsletter for free, spending their own money to get it out, for someone else who would receive a return from your work. You're absolutely right! So let's see how I was able to cut the time needed to produce a newsletter AND make a profit. (Yes, I said I was going to do at for NO COST to Barbizon. I didn't say I was going to do it for free.)

In case you are not aware of the fact, I also act as a direct mail distributor for over 200 small press pub-

lishers and self-published authors. I immediately contacted several of these people who dealt in beauty, motivation, and health. I explained what I was doing. I suggested that I would like them to furnish me with

---

*I suggested that I would be interested in producing a newsletter for them that would keep their students (and their alumni) informed of upcoming and ongoing events.*

---

a short article I could use, directed at my target market, which I could use a lead in for advertising their books. I now have enough articles to produce about 6 or 7 newsletters (all from an hours work).

Everyone knows (or should know) that a magazine or newspaper doesn't make money from their subscription rate. They use this money to keep advertising costs down, and cover the cost of printing and mailing. Their profits come from advertising.

Remember, an 8 page newsletter (standard 8 1/2 X 11) can easily be produced using 2 sheets of 11 X 17 paper, folded in half. This means the printer has to make 4 plates, at a cost of about \$10 each. To have 1000 copies print-

ed should cost about \$100 to \$150 per sheet, for a total printing cost of \$240 to \$340 per job. Postage, using bulk mail, should cost another \$115. Your total out-of-pocket cost, would be under \$450. You should have enough room in an 8-page newsletter to insert 10 or 12 advertisements. These can easily be sold to businesses that have an interest in the targeted market you are going to reach.

While magazines and newspapers deal in hundreds and thousands of dollars per ad, you should easily be able to sell an ad for \$100 to \$120 with little trouble. You may find, however, that because you are going to a small group, and since this is your first edition, selling may be a little difficult. Well, your basic concern now should be to get the newsletter started, so you can easily offer a first time discount if they will place an ad with you. If you can insert 10 ads, and need \$500 to fund the project, you can easily offer a 50% discount. Once a response is re-

*Continues...*

## **BBS CALLERS DIGEST ONLINE!**

Heard of it maybe and not sure what it is or how to get it on your BBS? It's a monthly with 10 chapters made to operate as a door on almost any BBS software.

It is available by subscription only based on the number of nodes your BBS is running. To view it right now, call the Livewire BBS (609) 235-5297 and type BBSCD at the main board prompt.

If you would like to order the online! Edition, please contact us at: 609-953-9110 between 10 & 4 (est), or any other time at: 609-231-1757 and leave a message for Richard. We will return your call within 24 hours.

Subscriptions accepted online at The Livewire BBS by calling (609) 235-5297.

ceived from the ad, the ad subscriber will see the advantages and usually take out additional advertising at full price.

Now, there is nothing to say that your newsletter must be produced every month. I recommended a quarterly newsletter to Barbizon. Most of the information in the newsletter is generic in nature, and could easily be reused for another type of business, with just minor revisions. (Starting to get the TOTAL picture now?)

I could go to a local beauty school or travel agency and make the same offer, and have a newsletter ready for press within a week or two for them, with very little additional work.

Okay! I see you're a little skeptic about getting articles and fillers. I had a ready source, you don't. Okay, pick up a magazine that relates to your interest. Look through it and find some authors who have written

articles in that magazine. Contact the publisher or the author, explain what you are doing, and offer to give them a free plug (advertisement for their book or magazine), if they would help you out with a short article.

How about contacting some of the businesses you will be seeking ads from. People love notoriety, and often someone in business would be glad to write an article just to see their name in print. You might even look at your local schools. Teachers often are willing to write articles, again for the notoriety, and it adds experience to their qualifications. The sources are endless. You just have to use your imagination to find the sources and resources you need.

And where would find people who need a newsletter? Again, use your imagination. How about such businesses as accountants, pet stores, health food stores, auctioneers and antique dealers, or summer camps for kids? How about the local

Chamber of Commerce, or the Ladies Auxiliary of the local church? (Look through the yellow pages of your telephone book for more ideas.) Remember, you're looking for potential customers that have a need for recurring business.

That leaves the door open to almost all types of businesses and groups. You're looking for a customer who can furnish you with a targeted mailing list. Most of all, you're looking for a customer that has a name which is respected and will add importance to your newsletter as an endorsement.

This is a relatively new "idea," a ground floor opportunity which has not had the time to attract many people to its potential as yet. I think the possibility of it producing a sizable income is there. At least an income that will keep you above the national poverty level for many years. But you should go slow and test the market as you go. Best of Luck!

# BBS Software & Hardware

## This Month's Advertised Specials

The Major BBS 6.1, 2-user .....	\$209
The Major BBS 6.1, 8-user .....	CALL
MBBS RIPscrip Add-on .....	CALL
MBBS Fax/Online Add-on .....	CALL
MBBS Entertainment Collection .....	\$219
Wildcat! Single Line BBS .....	\$ 99
Wildcat! 1-10 Line BBS .....	\$199
Online Blackjack/Hangman Doors .....	CALL
DigiBoard 8 Port Comm. Card .....	\$449
TBBS 2.2, 2-user .....	\$219

Call our BBS at 209-222-0227 for latest product information and to download our complete catalog!

Featuring... The Major BBS • Wildcat! • DigiBoard • CD-Discs  
Door Software • TBBS • Searchlight • and more!

## BBS Technologies

For orders/info call 209-222-0733 today!

1444 E. Brown Ave., Fresno, CA 93704



### New! Version 6.1 of The Major BBS

This latest version now supports "doors" to a second machine, multi-lingual/multi-protocol support for easy use of RIPscrip graphics, better messaging, and more! The Major BBS is the only BBS that supports up to 256 simultaneous users on a single machine, direct X.25 and LAN access, and plug-in DLL add-ons. You can expand the system with online fax services, databases, order entry, Internet access, a C developer's toolkit, and some of the hottest multi-player entertainment in the industry. A new RIPscrip add-on includes an integrated RIPaint and a complete out-of-the-box graphics interface! CALL!

## SOFTWARE PIRACY HAS STAYED IN THE NEWS LATELY

The following info is excerpted from the *WordPerfect Report/Spring 1993*. Software piracy in the US is costing almost \$23.3 billion in lost revenue and some \$12 billion in lost revenue world-wide every year. This costly problem is receiving some serious attention by the software industry in the U.S. In 1990, the U.S. Congress approved the Software Rental Amendments Act, which prohibits the commercial rental, leasing, or lending of software without the express written permission of the copyright holder.

In late 1992, Congress passed an amendment to Title 18, United States Code, instituting criminal penalties for copyright infringement of software. Penalties now include imprisonment up to five years and/or fines of \$2,500 - \$250,000.

This is becoming serious stuff. I BBS across the country trying to get additional coverage for the BBR. Every board I log on to is loaded with all sorts of warnings of 'death and dismemberment' for leaving pirated or copyrighted material on their board. One sysop, whom I solicited about a month ago, called me voice telling me he wouldn't consider paying for the BBR as he had never paid for a file on his board in his life.

The FBI closed down that board about 3 weeks ago for copyright violations. Think twice about committing such a faux pas and triple that if you are running a board.

When it comes to commercial games the stakes are even higher. And, don't conclude that when you are chatting on a BBS that you know who you are talking to. On a national social board I belong to, a supposed 'newbie' showed up in the main chat area one Sunday afternoon attempting to be friendly. But, what he really wanted to know was did any of us know of local boards who allowed uploading of pirated software.

Someone called the sysop at home and he pulled him into pri-

vate check and the guy disappeared very quickly. It seemed he was an attorney sent out by Sierra to spy on local boards. Think twice about what kind of uploads you may be sending to a buddy on a board. Many times I have heard of a supposed innocent request by somebody desiring a file for a print driver as they didn't receive the required one when they purchased their software.

They go around asking for BBS buddies to help them out. Such support software can be had on that company's support BBS for free more than likely. Do it right, save yourself and perhaps save your friendly neighborhood sysop from ending up in big trouble. The word is out. The software companies have had enough and they have Big Brother out to make sure we comply with their wishes.

## WHAT'S UP FOR NeXT

It seems Steven Jobs is thinking about taking his new company pub-

lic by the end of the year.

Then one has to question how new is new. It seems like only yesterday I was reading consistent press releases about NeXT, but the company was launched in 1985. NeXT reported 1992 revenues of over \$140 million, a more than 350% increase over two years, but still peanuts in the multibillion dollar industry. By mid-year, though, the company plans to release NeXTStep 486 to make the highly advanced NeXT operating system available to all IBM 4886 computers, a market estimated at 2 million users. (Maybe Microsoft is looking at some stiff competition.)

My motto to this little business insert, whose numbers came from a fairly new financial magazine, *Worth*, is that computer entrepreneurs never quit, they just pick up the pieces and put them together differently. ■■■■■

*Excerpted from the Online version with all rights reserved.*

# DSC Datamax/Satalink Connection BBS

\* **Large Adult Area with Original GIFS Daily**

\* 21 NODES Running PCBoard.

\* **8 Gigabyte File Library**

\* 2,500 Conferences from; ILink, Rime, Annex, Usenet, Internet EMail, SmartNet, FidoNet, AfterDark, AdultLinks & ThrobNet

\* **ftp & telnet from DSC!**

**FAST ACCESS with VISA & MasterCard.**

1200/2400e (215) 443-9434

V.32bis (215) 443-7390

USR HST/DS (215) 443-5830

VoiceMail (215) 957-4060

**CALL TODAY!**

# WHOSE DICTIONARY WERE THESE FROM, ANYWAY?

BY CAROL CARMICHAEL

If you thought you knew what all the computer buzzwords meant, think again!



**W**e found the following definitions floating around the baudlines, and thought

you'd all get a chuckle out of them. We really don't know who, where, or even what the original source was, but we certainly found them amusing, and hope that you do too!

**BIT:** A word used to describe computers, as in 'Our son's computer cost quite a bit.'

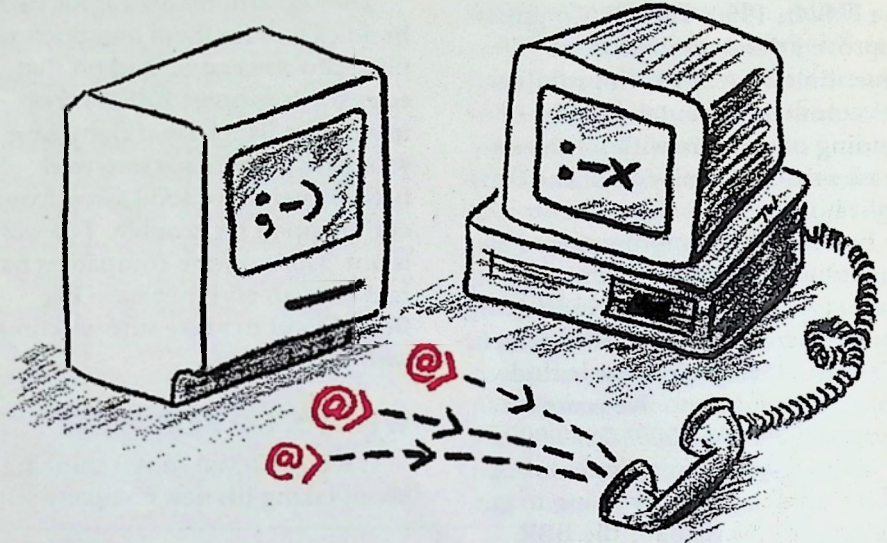
**BOOT:** What your friends give you because you spend too much time bragging about your computer skills.

**BUG:** What your eyes do after you stare at the tiny green computer screen for more than 15 minutes. Also: What computer magazine companies do to you after getting your name on the mailing list.

**CHIPS:** The fattening, non-nutritional food computer users eat to avoid having to leave their computers for meals.

**COPY:** What you have to do during school tests because you spend too much time at the computer and not enough time studying.

**CURSOR:** What you turn into



when you can't get your computer to perform as in "You \$\$\$%c% computer!"

**DISK:** What goes out in your back after bending over a computer keyboard for seven hours at a clip.

**DUMP:** The place all your former hobbies wind up soon after you install you computer.

**ERROR:** What you made the first time you went into a computer showroom 'just to look.'

**EXPANSION UNIT:** The new room you have to build on to your home to house your computer and all its peripherals.

**FILE:** What your secretary can do to her nails six and a half hours a day, now that the computer does her day's work in 30 minutes.

**FLOPPY:** The condition of a constant computer user's stomach due to lack of exercise and a steady diet of junk food. (See Chips).

**HARDWARE:** Tools, such as lawnmowers, rakes and other heavy equipment you haven't laid a finger on since getting your computer.

**IBM:** The kind of missile your family would like to drop on you so that you'll pay attention to them again.

**MENU:** What you'll never see again after buying your computer, since you'll be too poor to eat in a restaurant.

**MONITOR:** Often thought to be a word associated with computers, this word actually refers to those obnoxious kids who always want to see your hall pass at school.

**PROGRAMS:** Those things you used to look at on your television screen before you hooked you computer up to it.

**RAM:** What you do the side of you computer when it's not working properly.

**RETURN:** What lots of people do to their computers after only a week and a half.

**TERMINAL:** A place where you can find buses, trains, and really good deals on hot computers.

**WINDOW:** What you heave the computer out of when you accident-



tally erase a program that took you three days to set up.

## GETTING THOSE BROKEN PARTS FIXED....

During a recent gathering, Carol held a conversation with a fellow SysOp about the perils of modems. This SysOp happened to have a Practical Peripherals modem that he was having a few problems with. Although Carol was aware of the particular modem this SysOp had, Carol's houseguest at the time, Susan Brooks (aka TEACH from Memphis) did not. We all wish Carol had a camera handy, for the look on Susan's face was absolutely unforgettable. That conversation went along the lines of this....

CAROL: "How's the problem? Any better?"

SYSOP: "No. I guess I'm just going to have to call Tech Support and see if they fix my "PP" after all."

At this point, Susan, (who is always on her toes) asks the SysOp:

"Is your wife aware of this problem?"

Needless to say, Carol was ROTFL while the SysOp turned beet red and Susan of course, smiled her gentle Southern smile with a look of innocence upon her face.

## ONLY A LEFTY COULD'VE MADE \*THIS\* MISTAKE!

Carol teaches a "Conquering DOS" course for George Washington University. She finds this to be a very rewarding class to teach for she is able to see the comprehension dawn upon the faces of her students.

One session however, when the students were just learning how to format a diskette, Carol observed a student with a look of pure frustration upon her face. Carol asked the student if she needed any assistance.

The student replied affirmatively, adding that she kept receiving the dreaded "abort/retry/fail" message. Carol double-checked to ensure that the diskette was in the drive properly. It was. Carol and the student tried retry twice to no avail, then fail and started over again. Still no luck.

Just when Carol was going to have the student get another diskette, she noticed that the disk drive which contained the diskette was not even lighting up when attempting to format. This did not bode well.

But...upon a closer look, the fog lifted and all became clear. The classroom was set up with one (tower) PC right beside another and

---

*ERROR: What you made  
the first time you went  
into a computer  
showroom 'just to look.'*

---

it turned out that the student (and Carol following the example) were inserting the diskette into the disk drive of the CPU for the system beside the unit which the student was using! Once that errr... item... was discovered, the diskette formatted just fine!

## AND NOW FOR THE (RIGHT-HANDED) 'FOREST FOR THE TREES' AWARD...

And just to prove to you that we never take sides here, (and that turnabout \*is\* fair play), Carol thought she'd share an incident Ed related recently. He got a new Dell 450/M at work, and was running the various diagnostics to ensure all was well. However, he kept encountering a problem with the 5-1/4" drive. Simply put, the PC would not access any disk Ed put in the drive.

After many minutes of frustration, Ed broke down and called over one of the hardware techs and proceeded to give him a 5 minute dissertation on what he had done, and precisely what he \*thought\* was wrong. After this lonnnng lecture, the tech smiled, reached over and closed the floppy drive's door! You see, the Dell has a non-standard disk drive, and Ed thought that the push button on the front of the drive was there to eject the disk, not close a

non-existent door. (Sure Ed, right <grin>)

## CATS, REVISITED...

Our regular readers will recall that last month we devoted a portion of our column to a discourse on Kats & Komputers. Well, we're proud to announce that there is a new addition to the Struppi fold. Last month, Hoser joined Carol's household, and has promptly made himself at home on her lap — occupying that location whenever she is typing at the keyboard. While he's a tiny kitten now, we certainly hope that he doesn't have an appetite like Garfield's. Carol's lap is pretty small, an a 'fat cat' would not leave much room! <grin>

As mentioned at the start of this column, we have dedicated this column to the lighter side of computing. If you have an experience or thought that you'd like to share with us, please do not hesitate to drop us a line via BBS Callers Digest. ■■■■

## The Black Cat Information Service

Based entirely on 14.4K lines  
Over 2GB of on-line space and 6 CD-ROMS

New Macintosh, IBM, Amiga, and Commodore files daily!

Over 30,000 files  
On-line shopping  
Free On-line Magazines

Gifs for the family and adults  
More than 300 varied conferences  
*Tired of Sysops who never answer questions?*  
Call The Black Cat for Sysops who are there for you.  
30 minutes free daily/downloads instantly

**716-262-3680**

Our modems  
all support  
all lower  
speed  
CCITT  
standards.



# AN OVERVIEW OF THE INTERNET

BY MIKE ROBINSON

Lately the Internet has become widely accessible. Just what can it do for you?



**I**t's 8:00 am, Monday morning. You flip on your PC, and after your first cup of cof-

fee, check your electronic mail. Your boss, working in Japan, needs an answer to a question by 8:30. So you e-mail back, knowing it will be there in minutes. Next, you zip off a letter to your younger brother, who is at college in California. After reading some of the world news reports, you check the weather in the Poconos. Good for skiing, so you make reservations for this weekend. Finally, you get a note from your boss thanking you for the information you sent.

Sound like something out of Star Trek: The Next Generation? Amazingly enough, all of this is happening now, around the world. Ah, but the wise computer guru would say, we've had CompuServe and the like for years! Nice try, Mike! Well, CompuServe is a great organization, but it can be a sight expensive at times. All this is possible for little or no cost to you! Welcome to the Internet!

## WHAT IS THE INTERNET?

This question can be difficult to answer. All networks are not created equal. Perhaps the best way to describe the net is to tell you what most people think it is. The Internet is a way of providing various services to people around the world. Some of these services are electronic mail, file transfer, remote access, news feeds, and online libraries and databases. The best feature of the Internet might be its ability to communicate with other networks. This lets your local network, which might be a university or corporate site, obtain the services of the entire Internet. So how did this mess get started?

## A BRIEF HISTORY

Many years ago, there was an experimental network called ARPAnet. This network connected a small collection of hosts and servers together. Guidelines were proposed to control addressing methods and the flow of information. In time, local area networks (LANs) became more popular, and the ARPAnet grew, with each LAN serving as a single site. Eventually, some of these LANs became national networks, and soon replaced the functionality of

ARPAnet. In fact, when the ARPAnet disappeared several years ago, no one noticed!

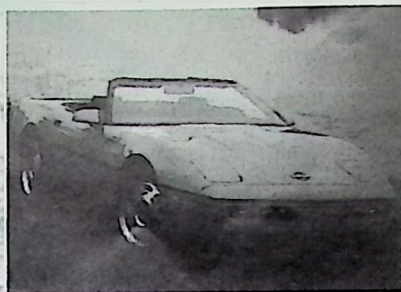
Over the years, the Internet has grown, divided, and grown again. It connects students, corporations, researchers, and computer users world wide. There are almost three-quarter of a million computers connected to the net. With anywhere from 1-2 individuals to several thousand people using each computer site, the numbers are staggering. Imagine everyone in New York City using a computer simultaneously, and without crashing!

As you can see, all this makes for quite a mess. But don't worry. The net is so popular that there is a strong interest in keeping it up and running. In order to keep it going, there are many guidelines (enough to make your head spin).

## FUNCTIONALITY

Let's take a basic look at what the Internet provides. The most widely used service, by far, is electronic mail. Sometimes you'll hear it referred to as SMTP. That's an acronym for Simple Mail Transfer Protocol. There is a standard protocol for all addressing throughout the Internet. Mail is delivered

# On-Line Photograph Database



**Auto Seller™**



**Contact Phonebook**



4658 Hollister Ave. \$2,400,000 Buyer: 805-964-4299	Lot Size: 2.4 acres Build Size: 4,300 sq ft Cae: 4 Bath: 4 Garage: 3 Fire: 3 Floor: 2 1/2 x 32" Style: Mediterranean Finish: New Home Price: \$2,400,000 Terms: Cash Carry Lease: No Deposit: \$100,000 Date: 9/15/92 Agent: Galena Subject: No Fax: 600
---	--

City: Santa Barbara  
 State: California  
 Zip: 93110  
 Phone: 805-127-2295

Century 21  
 Data Entry

Photographs    Tax info    Reports    Details    Next

**Residential Real Estate**

## Create Powerful On-Line Databases!

Durand Communications has developed the first full featured on-line photograph database based on Galacticomm's Major BBS and the Major Database. Now you can create your own powerful image viewing databases using our DC NET Photograph Database and the DC Terminal program. Create your own multi-line database application or use one of our turn-key applications to provide complete database services with on-line photographs, powerful search parameters and much more. Brand new DC RIPTerm allows for completely graphical front-ends. Call now for information or call our Demo BBS and download the DC Terminal program.

VISA / MASTERCARD / Call 7 Days

**Product Applications**  
 Real Estate, Product Catalog  
 Car Sales, Professional Directories,  
 Law Enforcement, Government Services

<b>WEST COAST</b> Tel: 805-964-4899 Fax: 805-683-7690 BBS: 805-964-2833 5276 Hollister Ave, #405 Santa Barbara, CA 93111	<b>EAST COAST</b> Tel: 703-527-3747 Fax: 703-525-9636 4601 N. Fairfax Dr., #1130 Arlington, VA 22203
---	--

through the use of several small gateways. This makes mail both quick, and efficient. It also makes it particularly difficult to stop mail from going through.

Look at it this way. I go to Bucknell University, located in central Pennsylvania. If I send a message to someone in Helsinki (for example), it will go from here to Penn State. From there, it may go to London, then to Helsinki. But lets say that the Penn State-London connection either is broken, or is busy with a heavy load of information. Penn State can then send to Paris, which then sends it to Helsinki. All this is done automatically, and quickly. So how do you send an e-mail?

Sending e-mail is not much different from a regular BBS posting. The only difference is in the address. The most important item to know is the address. For now, the easiest way to find someone's e-mail address is to simply ask them. If you wanted to

send a letter to me, my address is mrobinsn@coral.bucknell.edu. Lets break this down to see how it works.

- mrobinsn** — My user id name
- @** — This separates the id from the address
- coral** — A specific site name at my school
- bucknell** — My organization (i.e., school name)
- edu** — Internet domain type (educational)

Most people can e-mail me without the 'coral' in the address. That's because 'bucknell.edu' is a valid site name, and the mailer at my school knows that I want my mail on coral. But a very few people need to use the 'coral' in the address. How do you know which one? Try it without. If you don't get a letter back saying "Invalid site name" or something close, then it worked. This is the beauty of Internet mail. If, for any reason, mail cannot be delivered, it

is returned to you within minutes. So, if you misspell a name, or use an invalid site name, you'll know about it right away.

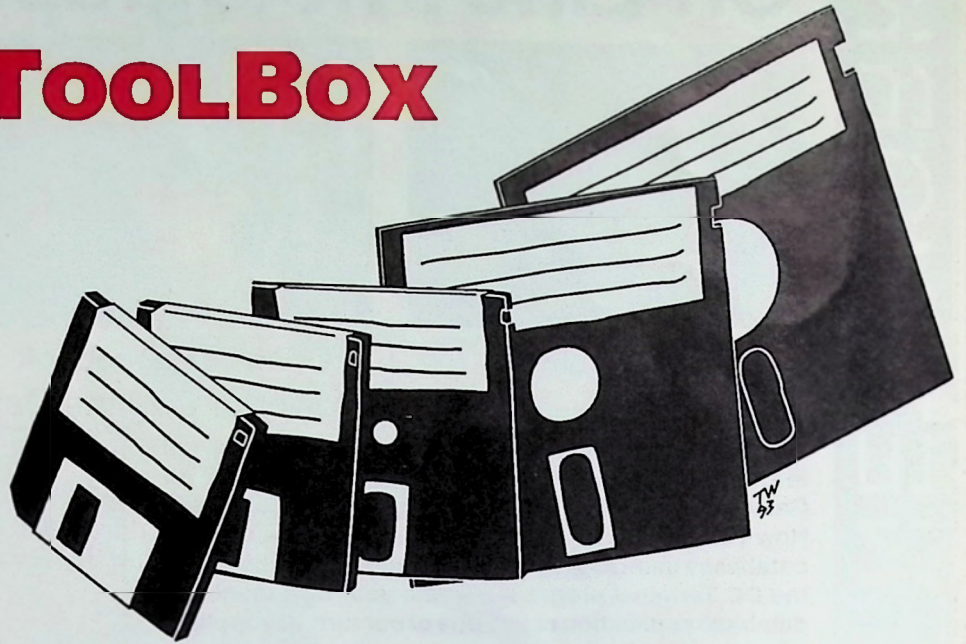
There are many other services available through the Internet. You can access public electronic libraries, which many universities now have. You can receive Usenet feeds. Usenet is like having 800+ message areas, on topics ranging from keeping aquariums to Woody Allen. Online directories, current and future weather conditions, file transfer, and even a dating service are all services that are available through the use of the Internet.

That wraps up a brief introduction to the Internet. In the next issue, we'll continue our discussion of how mail works, and how to find someone's e-mail address. We'll also look in-depth at Usenet, what it is, and how to use it.

Mike.Robinson@bbscd.com or mrobinsn@bucknell.edu

# A SET OF TOOLBOX UTILITIES

BY "UNCLE" HANK HURTEAU



## KILBAK ver 5.0

by John McNamara

### KILBAK5.ZIP

If you do any kind of text editing, you'll most always end up with a lot of backup files. These usually have a .BAK extension. Every text editor I've seen uses this method, as does many word processors. Soon, you'll find yourself with these backup files scattered all over your hard drives. KILBAK scans all your drives and will delete any it finds. The default is \*.BAK, but you can also have it work on other files with any extension you specify.

This program could save you a lot of disk space, you'd be surprised how much is used up by unneeded backup files. Just be careful, as this program can be unforgiving.

## EQUICOPY ver 1.21

by Michael Stowe

### EQPCPY121.ZIP

We all know that for all the power of DOS, it still has its shortcomings. One of these has to do with copying unlike disks. Suppose you want to make an exact copy of a 3½", 1.44k, disk and put it on a 5¼", 1.2k disk. Using the DOS COPY command just

won't work. I'm sure we've all had instances where that would be most convenient. One time I really could have used this program was when I upgraded to DOS 5.0. At the time, all I could find was the 3½" disk version. But, I only had that size disk drive in one of my three computers.

---

*Suppose you want to make an exact copy of a 3½", 1.44k, disk and put it on a 5¼", 1.2k disk. Using the DOS COPY command just won't work.*

---

It was quite a chore installing it on one computer, then copying the files to the other two. EQUICOPY makes copying unlike disks a breeze!

Using EQUICOPY is simply a matter of telling the program the ORIGIN and the DESTINATION, just like the DOS COPY command. So, if

you wanted to copy the disk in drive B to the disk in drive A, just use the command line:

**EQUICOPY B: A:**

That's all there is to it!

An added benefit is EQUICOPY makes an EXACT copy. What that means is if you started with a 1.44 disk and copied it to a 1.2 disk, your 1.2 disk would then be a 1.44. So, naturally, it reformats as it's copying. The whole process took about 3½ minutes. I tested this out on several disks, and it had no problems recognizing the unconventional size. Everything I tried worked just fine. It even worked on my DOS 5.0 disks! (Is that legal??)

A few notes:

Be sure you are using the same density disks. In other words, don't try to copy a high density disk to a low density disk.

If you have problems reading disks made with EQUICOPY, there is an included program called EQUIFIX that can be used as a device driver.

## DISKLIST ver 2.64

by John Bauernschub  
DISKL264.ZIP

There are hundreds of disk label

programs available as shareware. Most simply allow you to input the title and contents and the program will print it out for you. That's fine, but I was looking for a program that would read the contents of the disk, then print the label. I did find a few, but none of them seemed "just right" for what I wanted it to do. So, for the most part, I just penciled in the contents on a blank label. As you might imagine, I have a very large collection of shareware stored away on floppy disks. I wish I had found DISKLIST sooner. This program will do just about anything you could want for your floppy disk labels, and even some things you never thought of before.

From the manual:

DISKLIST is designed to print the directory of any disk, including sub-directories, on a stick-on label, a sheet of paper that can be cut to the size of the diskette, on a disk sleeve, on an 8.5 x 11 sheet, the screen, or a disk file.

There are 39 formats for you to choose from, for both dot matrix and laser printers. As mentioned above, these can either be labels or plain paper sheets that can be cut and folded. If you have a laser printer, it will even print directly on a paper disk sleeve.

Don't be put off by the 24 page manual. The program itself is fairly easy to run with little help. Although, you will want to print the manual since there is a lot of information in there that you might not otherwise understand by using the program "blind".

As a disk labeler, the program works great. It will read your entire disk and print the contents in compressed form on the label. It allows you to choose the layout as far as sort method and what you want included. Included in the archive is a small batch file that can be edited to your setup so you won't need to load the program each time you want to print a disk label. If you are like me and have a large collection of shareware stored on floppy disk, this is the program for you. Not only will it read the files on your disk, but it can

also list any programs contained in your ZIP files. Actually, it will read ZIP, ARC, PAK, ZOO, and LZH providing you have the proper de-archiver.

Going a step further, lets say you are lucky enough to have a large hard drive where you store your programs, like a BBS Sysop would. DISKLIST will allow you to print the contents of your hard drives (includ-

---

*Not only will  
[DISKLIST] read the  
files on your disk, but it  
can also list any  
programs contained in  
your ZIP files.*

---

ing sub-directories) for easy reference. It will also work across a network and read any drive you have. If you have a CD-ROM filled with shareware, DISKLIST will work with that as well. Of course you wouldn't want to make a label for it, but a disk file of the contents would come in handy.

So, if you want to do more than just have a label with the disk name, take a look at DISKLIST. It should do all you want it to, whether it be a label, a disk sleeve, a disk directory, or a disk file.

### **FREE HARD DRIVE!**

Here's a neat little batch file that can save you LOTS of disk space!

By now, you should all have the latest version of PKZIP. Most of us use it only for BBS files. However, you can use it to store programs that you use every day as well.

Let's say we want to compress a program like Qmodem. It sits in a directory called QMODEM, and is started with the command QMODEM. Instead of changing to that directory and starting the program in the usual way, try this .BAT file. Call

it QMODEM.BAT and call it from your menu or command line.

```
CD\QMODEM
```

```
PKUNZIP QMODEM
```

```
QMODEM
```

```
PKZIP -ex QMODEM *.* -mu
```

This is how it works:

Line 1 moves to the QMODEM directory.

Line 2 tell it to UNZIP QMODEM.ZIP.

Line 3 executes the program.

Line 4 is where the work is done. The -ex switch tells PKZIP to use maximum compression. In this example, QMODEM would be the name of the ZIP file that is created. The \*.\* means of course all files in the directory will be compressed, but the secret behind this batch file is the -mu switch. The "u" tells it to UPDATE the existing .ZIP file and the "m" moves (deletes) all files in the directory except QMODEM.ZIP.

This one little batch file saved me over 600k of disk space! Try it out yourself and see how well it works. It will slow loading time a bit depending on what kind of computer you have, but you may find that the added time is well worth the additional disk space, especially on programs that are rarely used. It's almost like getting another hard drive for free! ■■■■

## **900 Access Door**

Available for any BBS that is capable of running doors. This 900 Access Door will allow callers to be upgraded automatically on your BBS.

A caller would pick up your System ID from the 900 Access Door, call the 900 voice line to get a redemption code which can then be redeemed on your BBS for an INSTANT UPGRADE.

For more information call Tessier Technologies at 305-473-5525 and ask for Yannick Tessier.

# SUCCESSFUL MODEM MONEY MAKERS

BY RICHARD HARDING

Why not let your computer pay for itself? Here's how a few people parlayed their interests into income.



**M**odems can finally make money for you. Advertising has come "a long way, baby." First,

the movie screen; then, the TV screen; and, now, the computer screen. It appears here to stay!

The bread and butter of the BBS industry has been the exchanging of texts and graphics. But, a modern modem-moneymaker is splashing its way across America's 70 million PC monitors — the ELECTRONIC BROCHURE. And the opportunities for the on-line community are limitless.

It seems the familiar BBS classified ads are getting a spaceage facelift into the bigtime business world. Company names like Ford and American Express are becoming commonplace on today's home computers.

The idea is simple — floppy disks are loaded with colorful product information. Then, these E.B.'s (Electronic Brochures) or E.C.'s (Electronic Catalogs) are mailed to PC owners, inserted into national magazines or distributed on-line across the lower 20% of a computer service.

CompuServe's Electronic Mall and Prodigy have already taken this 'plunge for profit.' The latter charges \$27,000. and up to the advertiser for their 2 million users. Automakers and financial services are primary prospects for these promo-diskettes.

## HELP WANTED: MODEM MONEY MAKERS

If you have a "success story" on making money with your on-line computer, Callers Digest wants to hear from you. Your experience could prove to be helpful to other PC owners.

It's a fact that people with computers buy multi-products. It's part and parcel of their nature. And, think of the marketplace. 70 million PC users. 11 million on-line operators. Plus, these numbers are skyrocketing. There's plenty here for everyone!

Beyond the computer world of games, graphics and information lies the newly-created field of Electronic Brochures and Catalogs — the home shopping market of the future. It appears that profit and pleasure can now go hand-in-hand on BBS's across America — in good taste.

## POSTERS — MODEM MONEY MAKERS

"All that glitters" could possibly turn to gold, if your name is Chris Detsikas. His colorful pictures, life-size posters and calendar business are all generated by his state of the art computer and wax-crayon processing. It's a high potential money-maker, for sure.

Chris is no stranger to computers, modems and on-line communications. For years, he has worked as a digital cable-TV specialist for a national computer manufacturer.

He fully utilized the firm's internal Bulletin Board Service (BBS) — "Notes File" — to make his contacts and business connections on a worldwide scale.

At home, Chris was content to enjoy his basic Mac Plus. However, as his family began to grow, he discovered the dual necessity of spending more time with the kids, plus earning more income for life's extras (toys, trips, etc.).

Thus, he started to research the idea of increasing his weekly salary by means of "AT HOME SERVICES" which would be financially productive and could be accomplished after the youngsters were in bed for the night.

He kept staring at this Mac com-

puter with a large question mark...  
**HOW?**

At first, the idea of putting reports together for individuals and local businesses seemed to make good sense to him. His marketplace seemed to open up for him in a barbershop setting when his son received his very, first haircut.

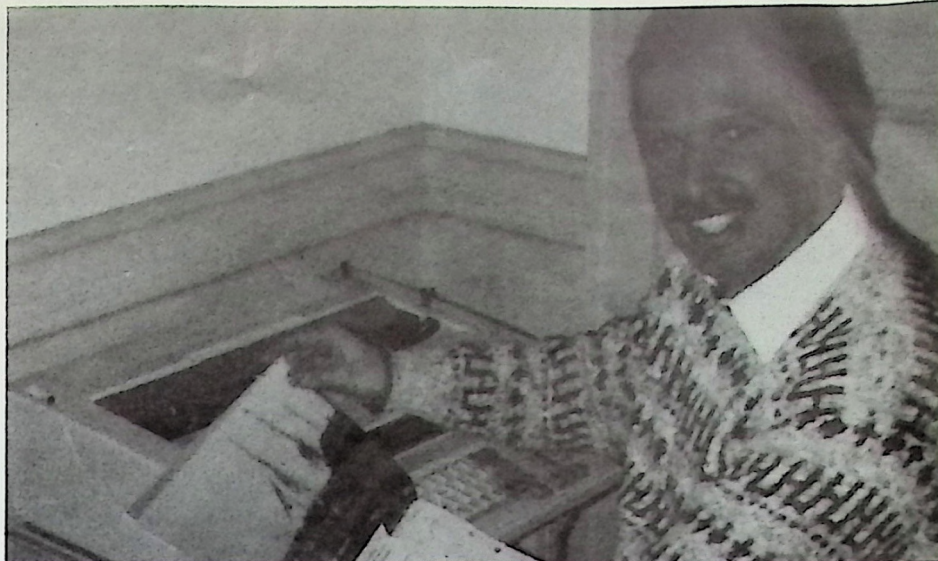
The barber usually presented a little certificate to the youngsters who survived this traumatic ordeal. But, he was out of certificates. Chris went home and returned to the shop in a short time with a handful of newly created "1st time diplomas."

The barber was speechless. How did you do this. So fast! So neat! Chris explained, "Just on my home computer, that's all." "You should sell this stuff," replied the barber. And, so various orders from this local shop and hometown locations launched Chris into his printing career. The drawings and flyers were limited to 8½ by 11 at first.

Playing with images held much interest for Chris. He purchased a hand-held black and white scanner in order to expand his pot-of-gold quest. But, reality, not riches, brought him some bitter disappointment. "It's what the salesman didn't tell me that caused the problem," he said. "Scanning needs more of memory. And, I found that my Mac Plus memory was 'wiped out' when the image reached the size of a postage stamp." His equipment was too limited. So, it was back to the drawing board.

Instinctively, Chris knew that he must expand into a color scanner and more storage-memory. This would open the doors for thank you cards and photo reproductions. Also, he wanted to pursue avenues that would be unique for his creative spirit. It seemed that desktop publishing was too competitive and too time-consuming for Chris Detsikas. He went shopping!

His list included a comprehensive illustrator's package and an advanced printer which could reproduce quality pictures at affordable costs. He by-passed the dot matrix and laser units. Instead, he selected



Chris Detsikas

a phase change technology which used wax crayons in a process of melt, spray and cold rolling. His choice of colors reached 16,000,000 (million) shades.

Chris was now ready to make his entrance as **MODEM MONEYMAKER** with his **APPLE-MACINTOSH IICI**, 80 Mb internal H.D., 90 Mb Bernoulli external cartridges, 16" color monitor with a Hewlett Packard color scanner and a **TEKTRONICS PRINTER - Phaser III Pxl**.

"Color, color and more color" was now Chris Detsikas's professional motto. He had found his niche — he could make brochures, calendars and any size posters ... from tabloid 11" by 17" to giant piece-together, life-size 4 foot by 8 foot versions.

Chris points out that "most posters today are still done by the analog method of silkscreen. This requires lengthy time delays and a very expensive price tag." "I can produce posters in a couple of hours at ½ the cost."

Truly, a dream for Chris Detsikas is quickly becoming a colorful pot-of-gold through successful **MODEM MONEYMAKING**. Medium sized companies who need prints for shows and presentations; photo stores who want life-size posters of celebrities and local townsfolk; or colleges which want pictures head-

lined with classic sayings are now only a phone call away.

## **SOFTWARE DATABASES — MODEM MONEY MAKERS**

Nestled in the foothills of Mt. Wachusett in central New England is the quiet community of Clinton, Massachusetts. It's the home of Lorelie Linton as well as the birthplace of Software Creations, a division of Linton Enterprises, Inc..

Charm! Wit! Warmth! And, unbounded amounts of talent! These terms describe "Lolly" who at 50 plus years has successfully penetrated the competitive marketplace of

*Continues...*

The **Bell Business Report** is in its 4th year of publication. Topics covered have expanded to include: economic and business trends, company news, investment and financial topics, real estate, collecting, management and start-up issues. It is distributed to over 40 bbbses and also uploaded to three libraries on Genie.

Electronic and print subscriptions are available along with sample issues. Call for Advertising rates in the electronic version.

### **The Bell Business Report**

365 W. Doran, #212, Glendale, CA 91203

Voice: 818-547-1192. E-Mail on Prodigy JXSV65A and Genie L.Bell12.

# MEET THE MONSTER...



## Hackers World B B S

**Over 16 Gigabytes of Files...**

**With New Files Added Daily!**

- 24 inbound high speed modem lines capable of supporting 1200-19200 baud rates, V32b and V42bis.
- World-Wide Connection for Echomail through FIDONET™ and ADULTNET™
- Connection to over 30 Different File Distribution Networks...Bringing you the latest in Public Domain/Shareware Files!
- USA Today Online
- News Services

CALL TODAY and subscribe to one of the fastest growing Bulletin Board Services in the country. There are NO "HIDDEN CHARGES" OR NO ADDITIONAL FEES to use any of the services on our BBS. Fees are based on an annual rate.

## Hackers World B B S

VOICE - (309) 672-4406 DATA LINES - (309) 672-4405 V32B, V42B 14,400 BPS  
(309) - 672-4447 USR HST DUAL STANDARDS

Mastercard & Visa as well as Personal Checks Gladly Accepted



software databases.

She has proven beyond all debate that "age" has no bearing in life when it comes to a computer and the on-line modem. In fact, she and her sister, Sharon Hewins, have put to rest the myth which says, "You're too old."

Since 1989, Lolly has personally authored 20 trivia software databases; while her sister has just invented and patented the polyresins "Celluclath" and "Cellumould" for doll making. Sharon is the first woman in history to achieve such a feat in her industry.

Thirteen years ago, when Lolly's son, Dan Linton, was attending computer school, he introduced her to the fun and enjoyment of electronic games. As time passed, Lolly found that her Apple II was just the right tool to turn her database about the vacation-state of Maine into an exciting, trivia computer game. She had always possessed a thirst for history, geography and knowledge. And, now she was hooked.

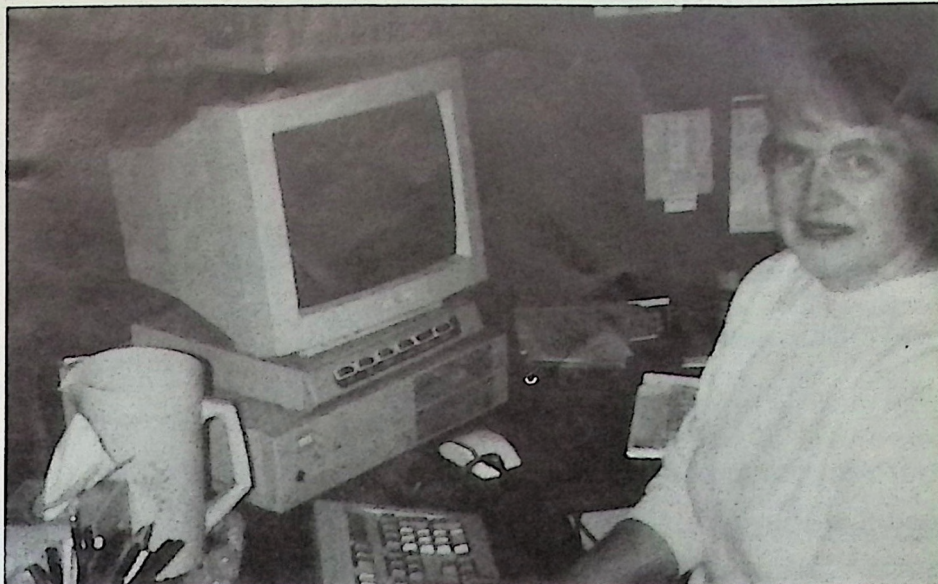
"Lolly" transformed this initial information about her home state of Maine into a series of trivia questions about New England. In fact, her trivia-travels have become so popular that many requests for more state-games such as Texas and Hawaii keep coming to her desk from around America. She said, "I found every state I do to have a wealth of interesting information in its own right."

She learned the importance of backup disk-keeping the hard way. Her Apple II did not have a hard drive unit. She had to use floppy disks for her memory base.

While doing a "Science Trivia" format of 150 questions, she neglected to 'save' the materials as she went along. Suddenly! The screen went blank — total wipeout, including days of hard work and those well-researched questions. Lolly said, "It will never happen again. I learned my lesson about saving copy — once and for all."

### K-MART AND WALMART ARE CALLING

February, 1992 was a red-letter day for Lorelie Linton. She went to work



Lorelie Linton

for her son, Dan, at Software Creations and became a part of the corporate structure. Her duties included every task from phone receptionist to software Trivia databases.

She especially enjoys meeting people from around the globe. Gathering database background from people in Denmark, Norway or Australia by modem has truly "opened up the entire world to me."

Not only has "Lolly" Linton produced 20 trivia software databases for the firm, but also is currently managing an active group of database writers for new programs. The topics include Shakespearian Plays, TV Sitcoms, Law, Nursing, General Medicine, Fine Arts, Modern Theater, i.e..

The Apple II has been replaced with an IBM 386, with 203 Mb HD and a 9600 baud modem. It's complete with sound blaster and CD ROM. She really enjoys her Microsoft Bookshelf software. "It's a real helper to me in doing research," Lolly observes.

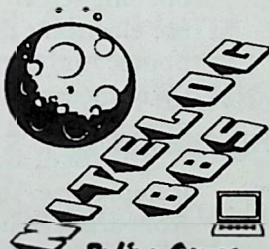
As most people in the high tech field know, it's one

thing to design a software idea, it's quite another to "sell it." Along with Dan Linton's "Picture Puzzle" programs and "Lolly" Linton's "Travel Trivia" databases, the shelves of K-Mart and Walmart are quickly becoming popular retail spots for these high quality published and packaged products. All proof that "you're never too old for Modem Money Making." ■■■■■

### SHARE YOUR STORY WITH US!!!



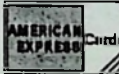

BBS Caller's Digest SHARETIME is a unique opportunity for you to share on-line modem experiences, good or bad, with other people.

Place your free story and photo today. Call (609) 953-9110 (8am-4pm EST) or write to: BBS Callers Digest, Box 416, Mt. Laurel NJ 08054. "Let's hear from you, today!!!"



**Online Games**

- 18 Nodes
- DOS  Windows  OS/2
- Graphics  Rime  iLink
- Internet  Usenet Email
- (408) 655-1096 2400 bps
- (408) 655-8294 v.32bis
- (408) 655-8297 USR HST
- 4.9 Gigabytes Online



Register  
Online

**357 CONFERENCES**

# AN EXTENDED TRIP FROM COAST TO COAST

BY ALAN R. BECHTOLD

Touching down where R/C model enthusiasts meet and comic book collectors chat.



**T**his month we're traveling an extended course. It's so much fun hitting the digi-

tal highways we've decided to stay out a little longer with each of our monthly treks. We begin on the west coast, a favorite place of mine. I can't imagine a better way to experience the wonders of southern California, and avoiding the sometimes polluted skies and constant hoards of people than dropping in via modem to visit...

## "THE BzCzS BBS"

**Synops:** Bill Weinman and Jim Lee

**Location:** Los Angeles, California

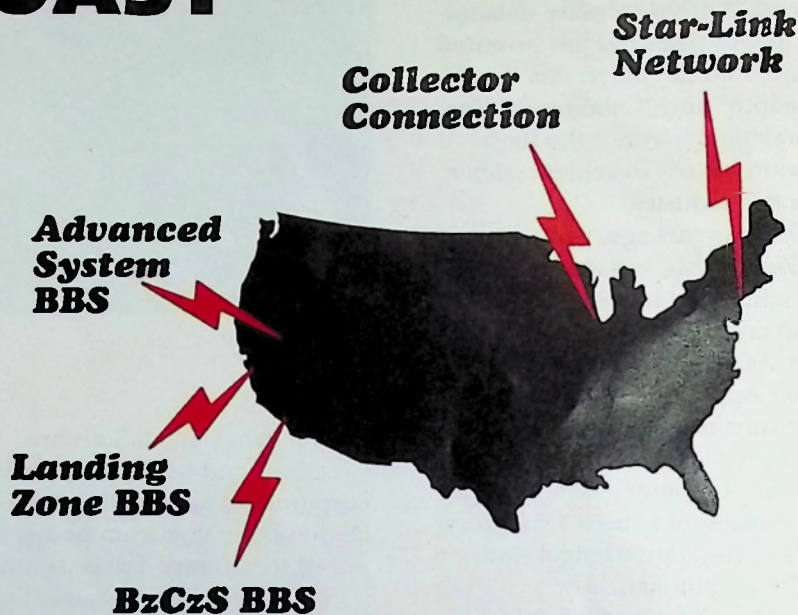
**Phone Number:** 213-962-2902

**Modem Type:** US Robotics 16.8 & V.32

**BBS Software:** WildCat 3.55P

**MOTTO:** "Bringing People and Computers Together for Communication!"

The BzCzS BBS was put together by two industrious sysops — Bill Weinman and Jim Lee — just a little over a year and a half ago. "We originally wanted to support our consulting and hardware users," Bill said.



"Of course, I'd been a BBS user for many years and was also looking for an excuse to start a board! When the California economy went south, we realized that the only part of the business with any real revenue was the board, so we expanded it and now it's starting to pay off."

I'm not surprised it's starting to pay. The BzCzS BBS has already grown rapidly into a lively, interesting meeting place for modem users of all kinds who enjoy E-mail, online games and, most of all, files.

Communications is the focus here. Even the colorful animated opening screen effectively illustrates the electronic linking of two distant points. And the lens through which we're focused is the ILink internationally echoed message conference.

The list of available conferences is impressive. You'll find everything from artificial intelligence to HAM radio and shareware issues, Mozart, penguin lust (one of my personal favorites) and Windows to ZDCS Support. More than 180 conferences

form ILink alone.

And that's not all. There are also local message conferences on the system, offering you the chance to discuss aviation, programming, networks, television, baseball, football, film, Star Trek and more.

But, Bill and Jim took message conferences one step farther, creating CalyLink, their own regionally echoed E-mail conference. "We started it with the intent of creating a forum that may eventually reach the power-brokers in Sacramento and the other seats of government in the state," Bill said. "It looks like it's starting to get there!"

CalyLink conferences are echoed to other bulletin boards in California and allow users to discuss various aspects of life in the Golden State, including the arts, business, the environment, dining out and more.

Unfortunately, in spite of this heavy emphasis on E-mail, Bill said communicating is not how most BzCzS BBS users spend their time.

"Most of the users like the letter D from the file menu," he said, a wry smile ticking the corners of his mouth. "Our typical user logs in once a week, downloads some files, and doesn't even look at his or her personal mail." Here he sighed loudly, then continued. "These people are missing the point. The REAL fun of a BBS is meeting new people and learning new points of view from them. But, since most of our users never read a message, and never download a mail reader (hint, hint, nudge, nudge, sharp-elbow-to-the-ribs), they won't ever know that."

Still, it's no wonder so many BzCzS BBS users spend their time downloading files. There are more than 150 directories full of files you can download, offering everything you could imagine. A particular favorite of mine was the Freeware Hall of Fame, which holds several popular and useful free packages you should check out. There are also

countless graphics files, educational programs, printer utilities, database programs and utilities, download-

---

*You'll find everything  
from artificial intelligence  
to HAM radio and  
shareware issues, Mozart,  
penguin lust (one of my  
personal favorites) and  
Windows to ZDCS  
Support on BzCzBBS.*

---

able online magazines and — naturally — games galore. That's just a tiny sampling of the various available categories.

Speaking of games, there aren't

many online games available to play here — most are just available as downloads. But, the BzCzS BBS Chess Master Door is fantastic. It should prove to be a real joy for anyone who likes a solid chess challenge.

Although Bill and Jim don't mind satisfying their users' seemingly insatiable appetites for files, they said they really want to continue building the system's E-mail capabilities. "We'll be pulling in the Internet in the next quarter," Bill said. "We're also going to be getting a bunch of new small specialty networks and we've got some other irons on the fire that we think will make public E-mail a lot more popular and accessible to a larger audience."

As ILink Planning Administrator for the board, Jim agreed more mail will be the BzCzS BBS's goal for the immediate future. "I know what's going on with ILink and am at-

*Continues...*

## **Win A US Robotics 16.8 Dual Standard!**

Yes, each month DATABANK is giving away a Modem lover's dream, to the Winner of our monthly drawing. Only Registered Subscribers are eligible. Starts January 1993.

Join today the growing list of users who have found one of the fastest growing boards in the country. We offer what YOU want!

### *On-line Shopping*

*CD-Roms, Complete Systems, Hardware and Software at the Right prices.  
USA Today, Boardwatch, BBS Callers Digest, Newsbytes, Closing Stock Prices  
E-Mail Galore including USENET and FIDO  
Play a Game, Chat with your Friends  
Browse our 12.5 Gig of Files*

**You will find it ALL Here**

---

**DATABANK**  
**913-842-7744**

**You can BANK on It**  
**12.5 gigs and growing**

Bob Oyler, DATABANK, Lawrence KOA, Inc.  
RT 3 BOX 175, Lawrence, KS 66044  
Voice 913-842-3877 • FAX 913-842-8518

tempting to shift the focus of our system to be in step with the plans of that network," he said. "We're also concentrating on building up our message base and our own CalyLink network, which we hope to be able to nurture into an important voice in the state."

As it grows, BzCzS BBS should prove to be a system worth watching. First-time callers get a one-week free subscription to the BzCzS BBS after filling out an online registration form and obtaining an automatic call-back verification. Long-distance callers should hit a C to leave a comment to the sysops, requesting the free week.

Make sure you read the required Bulletins after you've logged on. "Line Noise and You," by Bill Tullis, of the Av-Sync BBS in Atlanta, GA (edited for MicroSeller and for BCS), is enlightening, to say the least. And "How to get LOCKED OUT of the BzCzS BBS," prepared by Dr. S. David Klein, for Software Society South BBS and also edited for MicroSeller and BzCzS, is a fun,

convoluted look at the rules and protocols involved in proper BBS etiquette.

I was also surprised — and flattered — to find "The Anonymity Factor," an old article I wrote for INFO-MAT Magazine and donated to the public domain several years ago, posted as required reading in the Bulletins menu.

Subscriptions are only \$52 per year and this gives you one hour of access to the system per day. I don't see how you could go wrong spending your money and your time on this one!

I'm having so much fun on the balmy west coast I think we'll stay just a while longer, moving just a tiny bit north of Los Angeles to the small coastal town of Lompoc. Here we find an interesting place to touch down called...

### "THE LANDING ZONE"

**Sysop:** Russell Sechler  
**Location:** Lompoc, California  
**Phone Number:** 805-736-6609

**Modem Type:** Practical Peripheral  
 14.4 V.32/V.42

**BBS Software:** VBBS 5.60

**MOTTO:** "Don't Wait for an  
 Emergency, use our run-  
 way, The Landing Zone  
 BBS."

The Radio Control hobby has been growing steadily over the past several years. These "adult toys" are a source of serious fascination for folks of all ages, with due cause. The realism and the challenge of radio R/C competition, whether in the air or on the ground, can get the heart pulsing and the adrenaline flowing almost as delightfully as racing a real Indy car or slicing through the air in a real Piper Cub.

Russell Sechler knows the joys of R/C modeling well. He's been the vice president of a radio control aircraft modeling and flying club in Lompoc, CA, and he started The Landing Zone BBS to meet the growing needs of R/C hobbyists for hobby related programs and text files they could use to complete their projects.

# CYBERDOOR DEVELOPMENT

CyberDoor Development Software was written to assist the programmer and non programmer alike in the development of new BBS door software.

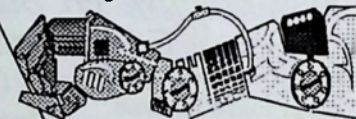
CyberDoor formats, designs and produces the code needed to have a functioning door application in minutes.

CyberDoor produces code in QuickBasic 4.5 to allow the CyberDoor user to modify the code to his/her specific needs.

This is the future of CyberDoor development.

Version 1.02 ON SALE March 1st 1993 Call Today!

Now Only  
**\$99.95**  
 Reg. \$149.95



**1(800)769 9228**

**J&W Computers**

1949 N. 400 E.

No. Ogden, Utah 84414

Tech Support: 1(801)782 2224

Data: 1(801)782 2279

**Utah System Operators Coop**

<b>Arena Systems BBS</b>	(801)782 2279
<b>BIT Connection</b>	(801)399 5131
<b>Blue Wonder</b>	(801)394 7569
<b>Golden Nugget</b>	(801)394 1732
<b>Eyrie</b>	(801)782 6468

"There were only two similar systems in the entire world when I started," Russell said. "I don't think many more than that exist today. We like to think we help bring modelers together to exchange ideas. This will help our hobby grow and may indeed bring about new ideas and better products."

The Landing Zone should appeal to any R/C enthusiast. I was a bit disappointed that there was little information for R/C car hobbyists — an avid interest of my son's — but the R/C airplane enthusiast should revel in the enormous amount of information to be found here. The download directories are loaded with programs and text files sure to help any dedicated hobbyist when designing, building and flying his or her planes and the message bases are filled with a knowledgeable and helpful assortment of hobbyists who swap tips and information at a steady pace.

One of the system's most interesting features, however, is the Swap Shop, an online classifieds BBS door where I found a lot of bargains in new and used planes (some complete and ready to fly, others in various stages of completion), radio gear, building supplies and more. It was here that I also found quite a few R/C cars and related supplies for sale, making the system definitely worth a call for R/C drivers as well as pilots.

"The Swap Shop has worked well," Russell said. "Many modelers have been successful trading or selling items with each other through the system."

But don't get the wrong idea. The Landing Zone isn't a BBS just for R/C hobbyists. There is also a nice selection of files and message bases for general computer hobbyists and enthusiasts on the system.

"Since this BBS is hobby related, as well as carrying a full line of IBM shareware, you'll find two types of users calling regularly," Russ said. "The first, naturally, is the R/C hobbyist looking for tips and hints on building and flying radio control aircraft. The second is the user looking

for up to date, comprehensive computer programs for every day use in the home. This includes games, word processors, utilities and the like."

There is also an unusually active ongoing game of TradeWars on the

---

*...the R/C airplane  
enthusiast should revel  
in the enormous  
amount of information  
to be found on  
The Landing Zone.*

---

system. Russ said this enticing online adventure is particularly popular with the younger callers to his system. "The game is moderated by one of our users who has full control of configuring the game," he said. "It has wandering star ports and moving treasure planets that you don't find on most other BBSes. I'm thankful I can give control of this to another user because running this type of game is a full-time job."

Russ is a firefighter, and he said his job as sysop has been lightened tremendously thanks to automation. "I used to spend

three or four hours in the morning reading E-mail and answering the simple questions," he said. "Then I would begin checking new uploads for viruses manually and putting them in the right directories. I would have to try each new program to see if it was truly shareware or a commercial hack I couldn't post. Now I have most of these activities automated to allow me to share more time with my two-year old son, Brandon."

At this point, Russ smiled. "Occasionally I must also answer questions from magazine columnists."

Russ still spends much of his free time answering mail and chatting with the users of his BBS. "My favorite activity is chatting online with users from all over the world," he said. "When I get a call, say from England or Denmark, I can't wait to chat with that user and find out what is going on on his side of the world. I also look forward to reading my E-mail every day. I get a lot of E-

*Continues...*

Join The Club With  
**No Hourly Connect Charges!**  
Featuring 24 Hour A Day Access

The  
**Smart  
Online  
Choice.**

*ODYSSEY*  
America's Local BBS.

A Local Call  
From Over  
850 U.S. and  
International  
Cities With:  
Chat...  
Email...  
Games...  
Forums...  
Matchmaker...  
Travel...  
Shopping...  
Files...  
GIFs...  
News...  
Plus More...

FOR MORE INFO OR SIGNUP CALL: **(818) 358-6968**

An Occasional User Plan Is Also Available.

3/12/24 8N/1

## CD COLLECTION

Lowest Prices Around

### Shareware Titles (\$24.95 - \$99.95)

Nightowl 6-8	Shareware Tiger
Gigabyte Gold	So Much Shareware
Phoenix 3-4	So Much Scrnware
Extravaganza 4 Pack	Bonanza 3 Pack
Mega ROM 2	WC Windows
Mega Win OS/2 A	WC Amiga
Mega A/V 1	WC Garbo
America's Premier	Shareware Studio

### Fantasy Titles (All \$39.95)

So Much Shareware	Storm 2-3
Visual Fantasies	Seedy 1-7
My Private Collection	PC PIX 1-3
GBL Alternative	Ecstasy
Private Pictures	Busty Babes
Giffy Gold	Hot PIX 3-4

Must be 21 and over to order Fantasy Titles

## Service of the Year

Only \$150.00

### Supports ALL BBS Software!

## 900 SERVICE

Why pay more and get less?

Other companies offer the same service and charge you MORE to start up and give you LESS per call. If you are currently using another company for your 900 needs and would like to convert to our service, we will give you \$50.00 for your old copy from that other service and have you making MORE money from our 900 service! We have over 100 satisfied Sysops around the country, you will be one too, so join today!

## High Society Club

National Bulletin Board System

100,000+ Files  
500,000+ Calls  
200,000+ Messages

### Over 50 Online Games

Featuring **Ultima 2000**: Arcade Style D&D  
**Scrabble**, **Chess**, **Backgammon**, and **Othello**

To Sign-up Call 1-800-877-5045 ext 5  
Ask for your Local Access Phone Number  
Once connected by modem hit @ <enter>  
At the Terminal= prompt hit <enter>  
At the @ prompt type C Society <enter>  
Now log on "NEW" to High Society Club

Give us a call for more assistance.  
(305) 473-5525

The Major BBS (List \$259.00)

Now Only \$ 199.00

## TO ORDER

The Major BBS, 900 Service, and CD Titles

Call 1-305-473-5525

Tessier Technologies, Inc.

1876 N. University Drive, Suite 200  
Plantation, Florida 33322  
Fax 1-305-473-2122

VISA

MasterCard

Price does not include shipping and handling.

mail and enjoy hearing from everyone. But probably my favorite activity is helping users either with a hobby-related problem or with setting up his computer correctly."

You won't find many sysops more dedicated to their systems or having so much fun. For the nominal charge of \$10 per year, this board is worth more than a cursory glance. Especially if you're a R/C hobbyist, but even if you're just looking for some interesting files and conversation.

That said, it's time to move inland. I'm still in the mood for warmth and sunshine so maybe a desert region would be nice. We've visited Las Vegas recently so, instead, let's not move into the state of Nevada quite so far. Reno looks nice, so we'll stop off at a board I found that should provide more than a little excitement...

### **"ADVANCED SYSTEM BBS"**

**Sysop:** Alan McNamee

**Location:** Reno, Nevada

**Phone Number:** 702-334-3317

**Modem Type:** Supra 19.2

**BBS Software:** TBBS 2.2M-32

**MOTTO:** "Turning TBBS

Possibilities into Realities"

The Advanced System BBS is perhaps the first online information system I've ever seen that actually FEELS like the city in which it is located. The system's main menu liter-

---

*The Advanced System  
BBS sparkles and pops  
and flashes like the neon-  
encrusted jewel of a city  
that is Reno and nothing  
like any other system  
you've ever called before.*

---

ally crackles with excitement. And the sizzle doesn't diminish a bit as you move around to all the other areas of the board, either.

For example, while you consider which options to select at the main menu, banners come and go across the screen. Sometimes a horizontally scrolling announcement pops up at the top, informing you that you're connected to the Advanced System

BBS. Then, occasional reminders to try various new features appear at the bottom. An invitation to vote for the system in the upcoming BOARDWATCH 100 Reader's Choice contest suddenly appears in the middle. More announcements drop down from the top, stretching all the way to the bottom of the screen, then snap away.

It gives you a strange feeling, as if you're connected to something alive, breathing and moving under its own power. And Advanced System BBS is a large beast, with 32 incoming high-speed lines, more than 10 gigabytes of hard disk storage, seven CD-ROMs and more.

As with any large active system, users are constantly logging on and off, leaving mail, chatting in real-time conferences. But, unlike most large online services, you FEEL this buzzing activity on Advanced Systems BBS while you're connected. Drop into the Waiting Room and you're presented with a full screen showing all the individual lines coming into the system, who's on each and what they are doing. This is a dynamic display, changing

*Continues...*

# DOORWAY

## TO REMOTE COMPUTING



For remote computing, use the program computer professionals have chosen; to access your computer from home, office or any other remote location. At a fraction of the cost of other remote access programs!

### **DOORWAY Features :**

- ▶ Automatic Callback
- ▶ Send/Receive Files
- ▶ Redirect Printer Output
- ▶ Menus with passwords
- ▶ No reboot on lost carrier
- ▶ Compatible with all Comm programs
- ▶ Comm program included
- ▶ Both keyboards active
- ▶ Modems up to 38,400 bps
- ▶ Requires only one copy
- ▶ Support via Bulletin Board
- ▶ Supports multiple Com ports

Available from :

TriMark Engineering  
406 Monitor Lane  
Knoxville TN 37922  
(800) OPN-DRWY (USA  
only); (615) 966-3667

## **DOORWAY**

Program and Manual

**\$49.95**

**System Requirements :** IBM-PC Compatible, 640k RAM, modem (up to 38,400bps). Site licensing available. DOORWAY is the trademark of TriMark Engineering.

as users come and go and move around on the system, even beeping when new users log on and current users log off.

More than a mere curiosity, this display literally makes you feel as though you've tapped into the bloodstream of the system, as if you've become part of an organic structure far beyond the usual static screens and quiet one-to-one messaging you do on most BBSes, even on commercial online services. It sparkles and pops and flashes like the neon-encrusted jewel of a city that is Reno and nothing like any other system you've ever called before.

All this extra spark is due, in large part, to the energetic imaginative talent of sysop and programmer Alan McNamee. McNamee's company, Advanced Systems Research, Inc., was involved in satellite communications research. Retired at 34, Alan looked for something interesting to occupy his time. "A friend needed some help with his BBS, in order to compete with another local system," he explained. This got him involved with BBSing, an area in which he had no previous experience. "It was so much fun I decided this would be a wonderful retirement project."

McNamee threw himself into BBSing with gusto. He chose TBBS software and added TDBS, the TBBS Option Module that brings dBase III+ programs and databases to the TBBS online environment, for extra clout. But Alan is obviously a born tinkerer. Satisfied he had picked the best software for his system, he kept finding features on other online sys-

tem that he liked. To continue improving The Advanced System BBS, he started writing TDBS programs, modifying TBBS to make it work just the way he wanted.

TDBS programs are similar to dBase III+ code and operate on TBBS the same way Door programs do on other BBS packages. Doors and TDBS programs are usually seen by BBS callers as additional options on a system's menus or enhancements to the way a given system works.

The Advanced System BBS went online barely more than one year ago. Already Alan's built it into one of the top contenders for nationwide callers. This is most likely because there's a lot of substance beneath all that surface glitter. Literally tens of thousands of files, live multi-line chatting, matchmaking services, realtime interactive games galore and hundreds of different national message conferences from ILink, FidoNet and other echomail networks make certain users get a lot for their money. But, it's the vast array of TDBS enhancements, written by Alan and an array of other talented programmers, that keep the users constantly bedazzled.

For example, Livewire, a TDBS program written by Rick Kosick, produces all the live-action onscreen banners that make the Advanced Systems BBS shine with so much pizzazz when you first log on. This is a program that allows TBBS systems to display banners which are written directly over any menu on the system. Users can be allowed to hit a key and obtain more information, and bulletins can be chained so each

time a user goes back to the same menu the banner displays a different message. It's slick stuff and impressive as all get-out when you're logged in and watching it run.

One of the most useful TDBS programs I found running on The Advanced Systems BBS is Fileman. This provides TBBS operators with a different way to present their downloadable files to users. It allows you to scroll through an online list of files, with detailed descriptions of each available file. You can actually READ each file's documentation online — even if the file is zipped — then mark files you wish to download as you go. When you're ready, simply select the option to download all the files you've marked and they're sent to your computer, one at a time, until you get them all. Slick and easy.

Actually, this is the way several other popular commercial BBS programs now on the market handle their files. Now it's available for TBBS operators, too.

Alan has also done some amazing work with NAPLPS (North American Presentation Protocol Syntax), a "standard" for online transmission of color graphics. Usually reserved for Teletext systems that have so far failed to make a big splash in this country, he's taken the standard to new heights with a new package that allows sysops to integrate the graphics standard into TBBS systems. His TDBS application displays menus in NAPLPS, and allows sysops to design some spectacular color screens of surprisingly high resolution. Sophisticated 3-D animation can even be displayed as part of a menu.

For the user, it makes things exciting — and easy. The package automatically switches between NAPLPS-based screens and regular menu displays without you having to worry about which is which.

Another of Alan's NAPLPS-related programs allows sysops to set up NAPLPS-based "art galleries" online. There's a pretty nice collection of these images already building on the Advance System BBS. It's definitely worth taking a look — but you first have to download the free NAPLPS-based terminal package and call back the system with it to see all the power of this promising online

## ***Educator's BBS***

**713-331-6923 – 300/1200/2400 Baud**

**\$20 per year • 24 Hours • Sysop, Walt Ledbetter**

An Educational BBS for Students, Parents, Teachers, and Tutors  
Home of Tutbbs21—Tutorial on BBSes, Procedures, Term Papers  
300-2400 Baud • Virus Information.

• Messages • Online Tutoring • Educational Files •  
• Communications Files • Teacher Files • Door Games • File Requests •

***With an Education Your Future is Unlimited!***



graphics format in action. Take my word for it — you won't be disappointed!

Alan's TDBS programs also allow him to operate his TBBS system on a network — something else you're not supposed to be able to do with a TBBS system. He's running his 32-line BBS on a three-server system and has already created several other interesting TDBS packages that take advantage of this setup, offering features and services that could not be provided on a single-CPU multiline TBBS system.

For example, Advance System users can send and receive FAXes online for a very reasonable fee. The network configuration also allows you to actually view GIF images online — BEFORE you download them.

But, Alan's combined his past experience with satellite technology and his newfound love of bulletin boarding to create what is probably the most ambitious project he's tackled yet — live satellite link-up to

other bulletin boards and information services. The system is currently still under development, but Alan said one day systems will be able to offer direct access to satellite-delivered news and weather services and even to other bulletin boards when the program is finished. Right now there is a demonstration of the program running on The Advanced System BBS. It merely illustrates what can be done with the package once it's finished, simulating a connection to several other well-known bulletin boards around the country. Once you actually get "logged in" on the remote system and start to search a directory of available files, the demo announces there has been an interruption of the satellite link and aborts the program. Still, it's fun to test this one out and see a genuine example of the future of bulletin boarding in action.

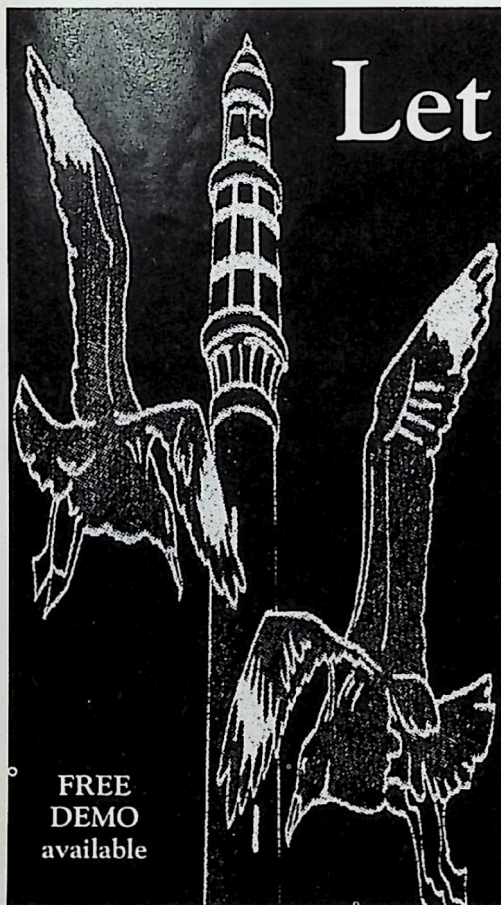
There are literally dozens of other TDBS programs available on The Advanced System BBS and they can be purchased, then download-

ed, online. This would easily explain why a huge portion of the 4000 users on the system are TBBS system operators.

When you call the Advanced System BBS, you will be asked to fill out a brief online registration. This gets you 14 days of free access to the system. To subscribe for full access, the cost is only \$5.00 per month or \$15.00 for three months. If you don't pay for full access after your 14-day free trial, your access level is automatically set down to a more limited menu.

There are other excellent systems out there doing similar things with TDBS and doors for other BBS packages, but I've never seen one literally put all the programs that are being sold into action on a single system the way Alan has done with The Advanced System BBS. This definitely makes the BBS one of the most attractive, busy, and exciting systems a modem user could call. It's truly an

*Continues...*



# Let There Be Light.

Still searching for the ultimate in BBS software? Then step into the light and see more of what you're looking for: Searchlight.

While it may be the easiest BBS you can run, Searchlight is packed with serious features that today's bulletin boards demand. Features like full-screen editing, menu building, and LAN support. Full access to your favorite BBS networks, mail readers and door software. All accessed through an efficient, intuitive interface you and your users will love. And Searchlight is backed by people as fanatical about service as they are about software. So call today.

And don't get left in the dark.

- Create your own menus!
- Unlimited multinode capacity
- Up to 10 lines per PC
- Intelligent Digiboard™ support
- LAN compatible
- High performance multitasking with Windows, DESQview or OS/2

FREE  
DEMO  
available

**SEARCHLIGHT**

Voice Info/Orders: (800) 780-LITE  
Support BBS: (516) 689-2566

"Advance" system of first-rate quality, and one I highly recommend you call.

Again it's time to pack our bags and move on, still moving eastward. Next we'll stop just on the western edge of Chicago, in the small suburban town of Glendale Heights, where we'll visit an interesting specialized BBS called...

### "THE COLLECTOR CONNECTION"

Sysop: Joseph Zozzaro

Location: Glendale Heights, Illinois

Phone Number: 708-682-9223

Modem Type: Supra 2400

BBS Software: Galacticomm 5.31

MOTTO: "The Collector Connection — the board that connects collectors across the country."

The Collector Connection is a straightforward proposition. You won't find thousands of computer

programs to download here. And there aren't all that many message bases, either. What you will find,

---

*...collectors swap and sell their collectibles and this is the one place where you'll find items other than comics.*

---

however, is a simple, smooth-operating BBS dedicated to the comic book collector — and expanding rapidly to accommodate fans of other collectible goodies such as sports cards, original art, figurines and even hobby trains.

Sysop Joe Zozzaro said he and co-sysop Mark Weiss developed their BBS because of their strong collective (pardon the pun) interest in comics. "Mark has been collecting comics for about 20 years," Joe said. "Though I enjoy reading comics, I'm mostly the technical person and I enjoy BBSing. Since we enjoy reading and collecting comics, we wanted to communicate with other comic enthusiasts in a cost-effective manner. We also wanted to introduce comic and related materials and information to those who don't normally collect or haven't collected since they were kids."

To that end, these two dedicated collectors went to a lot of trouble to make sure their BBS was bright, fun and easy to use. Just like the comics they cover. "The board doesn't have the same feel as many other BBSes," Joe said. "The screens are colorful and don't scroll — they make you feel like you're using a

---

# PC ON-LINE BBS!

Proudly Running Wildcat! 3.55 IM BBS Software

Multi-Line Access from Same Number  
Huge Microsoft Windows Collection  
10 CD-ROMs Currently On-Line  
Over 30,000 Premium ADULT Gifs<sup>™</sup>  
Over 1 GIG of Shareware Programs  
1000's of Regular Gif Files  
Massive Font Library  
Huge Clip-Art Collection  
Something for Everybody!  
FREE Multi-Line CHAT System

FREE Regular Access  
Download on Your First Call for 1 hour

(614) 276-1035  
8 Phone Lines  
All 14,400 V.32 bis  
Try Us!

"Premium Quality Gif images for MATURE individuals" (tm)

GIF (tm) is a Copyright of the CompuServe Corporation

computer system."

In fact, the system comes across a lot more like an electronic magazine than an online system, offering callers reviews of new comics, industry news (updated almost weekly), lists of upcoming releases and opinion pieces on happenings in the hobby. There are also some online ads from area comic dealers and show promoters and a list of the Top Five comic book heroes and villains, ranked by votes submitted by Collector Connection users.

When I called, Punisher had just moved into the number one hero spot and Venom was holding his own as the number one villain.

You'll find a lot of kindred souls on the system if comics are an interest. I noticed the message forums, each focused on a specific comic publisher or genre, were well populated with some well-informed and opinionated participants.

But, possibly the most intriguing section of the board is the Buying and Selling section. Here collectors swap and sell their collectibles and this is the one place where you'll find items other than comics. Joe said he and Mark will be adding new categories for other collectibles here as the users request them. I saw a number of excellent deals going on so I recommend you check this section out as soon as you get signed up for access.

You can look around the system for free, after filling out an online registration form, but access to The Collector Connection for non-subscribers is severely limited. Subscriptions are available for \$35 for six months or \$60 per year and this gets you pretty much unlimited access to the system. You'll also have to download and return a special form to post collectibles in the Buying and Selling section, plus pay an additional \$2 per hour and prove you at least 18 years of age.

The Collector Connection will definitely help you with your comic collecting hobby and should prove to be well worth more than the cost of signing up. Considering Joe and Mark's plans for expansion and

their friendly, professional attitude toward users, you should give the system a call and check it out — whatever you collect.

And that concludes a nice visit to a low-key but interesting town so near the "big city" that I think we'll move on next to the biggest. Continuing eastward, our last stop for the month is the Big Apple itself, New York City. Here we'll visit a system called...

### **"STAR-LINK NETWORK BBS"**

**Sysop:** Michael Keylin

**Location:** Brooklyn, New York

**Phone Number:** 718-633-5871

**Modem Type:** US Robotics HST  
Dual Standard and  
Hayes Ultra  
V.32/V.42 14.4

**BBS Software:** PC Board 14.5a

**MOTTO:** "Designed for Computer Hobbyists and Professionals for Exchange of Data and Communications Related to IBM PC (DOS, Windows, OS/2)."

Star-Link Network is a nice-sized general interest BBS that offers almost anything a dedicated modem user could ask for. With 10 incoming high-speed lines, I never hit a busy signal in the several times I called (though I admit I usually called this one very late at night). But it's worth the wait even if you should hit an occasional busy signal.

Star-Link is a haven for files. More than 90,000 programs, text files, graphics and sound files fill over 4 gigabytes of hard disk space. All the files are easy to get at, too. Sysop Michael Keylin has divided them into 76 meaningful, searchable categories, including CAD, disk utilities, music, OS/2, business/finance, programming languages, EGA/VGA graphics, database programs, entertainment, word processors, printer utilities, and far too many more to list here. If you're interested in files (and who isn't?), I suggest you download STAR-1.ZIP,

STAR-2.ZIP, STAR-3.ZIP and STAR-4.ZIP on your first call. These are complete lists of all the files on the Star-Link Network BBS, updated daily. With more than 300 new files coming in weekly, it's a good idea to check in often.

Michael also offers access to the complete PC-SIG library, with more than 22,000 additional shareware and freeware files, on CD-ROM.

Even better, your membership to Star-Link Network BBS gives you unlimited downloading privileges. Your time on the system is limited, according to your subscription level, but you may download all the files you can take in that time.

If you want to communicate with the world, Star-Link Network BBS has that option covered as well. Michael stresses his system is in no way connected with the StarLink packet switching network you might have heard about, but the system is connected to the Ilink international echomail network, bringing in more than 180 different conferences that cover everything from religion to humor to programming, sports, politics, hardware and software help, travel, cuisine and more.

To make communications easier, Michael has added the popular QWK mail access to his system. This BBS door allows you to run any QWK-compatible off-line mail reader on your PC to read and answer

*Continues...*

### **UNCLE HANK'S SHAREWARE REVIEW NEWSLETTER**

Published bi-monthly, this newsletter takes a good look at some of the best Shareware available today. Each issue contains reviews from a wide variety of areas. Always in plain English.

For a sample issue, send \$2 to:  
Uncle Hank's Shareware  
8 Hendrick St.  
Easthampton, MA 01027

Send \$10 with this ad, you can  
subscribe for 1 yr. (6 issues) & save \$2.

Make checks payable to Hank Hurteau

messages off-line, then automatically log in, leave your replies and pick up new mail. If you intend to keep up with even just a few of the conferences here, I recommend you choose this route or you'll never have your phone line free for other uses again!

If you're new to online conferences, I recommend you read Bulletin 8 on the system. This excellent text file is actually a complete guide to using Ilink echo conferences, including etiquette, rules, a glossary of common online "shorthand" used by callers and tips on getting the most out of the echoes you access. The file's been around quite a while, but I thought it was nice to find it posted as a bulletin that's easy for new users to find and use.

Bulletin #9 offers a complete list of all the available Ilink conferences on Star-Link Network BBS, with detailed descriptions. This one, too, is important if you intend to make use of the E-mail conferences on Star-Link Network BBS.

## User Group Info

If you are the President or the decision making person in a User Group, you might be interested to know that the *BBS Callers Digest* has a special program just for you!

If you are interested in offering your members a discounted subscription to *BBS Callers Digest*, then you need to contact us.

Along with a group discount for your members, we will pay you commission to obtain these new or renewal orders.

For more information, please contact the publisher, Richard Paquette, at your earliest convenience. Call 609-953-9110 from 10 a.m. to 4 p.m. or write us at: Callers Digest, PO Box 416, Mt. Laurel, NJ 08054 (attn: Group Sales)

Star-Link Network BBS also offers subscribers access to live online chat in a nice CB simulator. With 10 incoming lines, the conversations can get pretty interesting!

---

*Star-Link Network BBS  
offers access to the  
complete PC-SIG library,  
with more than 22,000  
additional shareware  
and freeware files,  
on CD-ROM.*

---

A selection of more than 60 online interactive games and business programs should keep you entertained, enlightened and informed whenever you're not into chatting with other users or downloading new programs. The assortment is large enough and varied. You should find all the most popular online games here — and a few you might never have seen before.

Finally, if news is your forte', Star-Link Network BBS carries each daily issue of USA TODAY

DecisionLine. This offers you the latest headlines and news from "America's Home-town Paper" right on your computer, updated five days a week.

The menus are all clean and straightforward and the system has a lot to offer. Small wonder the Star-Link Network BBS has been online almost six years now, and lately has been growing in leaps and bounds.

After filling out a brief online registration form, you'll be granted limited access — but not very limited! Registered callers can read mail and access the Doors and all file directories. In fact, they can do almost everything paid subscribers can do — except download files and leave messages.

Subscriptions are \$45 for six months' access for 45 minutes per day. A full year of 60 minutes per day access is \$70. \$85 gets you a full year with 120 minutes per day. Very reasonable rates and many features to offer make this a system well worth checking out.

And that about wraps up our trip for this month. Hope you enjoyed yourself half as much as I did! But don't unpack all your bags. Next month we'll take off on yet another extended tour and I'm sure it will be as much fun and every bit as rewarding as this month's trip. Don't miss it! ■■■■■

# BBS

CALLERS DIGEST

## SUBSCRIBE TODAY

Call 1-800-822-0437 and charge your subscription to your Visa or MasterCard, or use the card in this magazine and mail with check or money order to Callers Digest, 701 Stokes Rd, Medford, NJ 08055.

To register and receive a copy of CD Sub Program, please fill in this form and mail with a check for \$30 payable to Richard Paquette, Box 416, Mt. Laurel, NJ 08054.

Name \_\_\_\_\_ Home voice phone # \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

BBS name \_\_\_\_\_

Sysop name \_\_\_\_\_ BBS access # \_\_\_\_\_

Check disk type:  360  720  1.2  1.4

Password for access on The Livewire BBS \_\_\_\_\_

*As more BBS's register the CD-SUB program, they will be listed in the next issues. Each registered bbs gets free access to The Livewire BBS 609-235-5297 for newer versions. If you registered and are not listed, please give us a voice call (1-609-953-9110, 8 a.m. - 4 p.m., M - F, EST) to make the correction.*

*Listed in order of area code:*

Chuck's Attempt BBS .....	Chuck Ammann .....	201-729-2602	Next Generation BBS .....	John Carcione .....	609-482-7345
The Soul Connection .....	Mike Demski .....	210-674-1242	Tao BBS .....	Bob Watson .....	609-587-2672
Collector's Edition .....	Len Hult .....	214-351-9859	Radio Wave BBS .....	Tyler Myers .....	609-764-0812
PC-Ohio .....	Norm Henke .....	216-381-3320	BB's BBS .....	Bob Browne .....	609-768-6585
First Due Bulletin Board System .....	Francis Fowler .....	301-949-1927	The Vault BBS .....	Keith Ketcham .....	614-387-2762
Megabiter II .....	George Belcher.....	314-281-8598	The Lebanon Link .....	Bruce Richardson ..	615-399-0707
Griswold's Private Reserve .....	Jim Kelland .....	316-788-7520	Data World BBS.....	Sean Dudley.....	615-966-3574
Warp Factor BBS .....	Mark Stewart .....	404-773-7966	Channel 1 BBS .....	Brian Miller .....	617-354-8873
Music Connection .....	David Coleman .....	404-936-0550	City Lites .....	John Lundell .....	701-772-5399
Pereline BBS .....	Tom Serface .....	408-364-2789	Mountain Air BBS .....	Edward Wood .....	703-427-0226
Wayne's World BBS .....	Wayne Belvin .....	409-769-4249	The Last Resort BBS.....	Derek Figg .....	703-435-8644
entertain me bbs!! .....	Shawn Cupec .....	412-845-1959	The Arlington Software Exchange ..	Jay Falvey .....	703-532-7143
Uncle Hank's BBS .....	Hank Hurteau .....	413-527-8977	The Virginia Connection.....	Tony McClenny .....	703-648-1841
Platinum Express .....	Glenn Jarvis .....	416-770-6917	Central Ontario Data Systems .....	Robin Wells .....	705-722-8194
Chemeketa Online .....	Bob Hunter .....	503-393-5580	Suburban Software .....	Chuck Valecek .....	708-636-6694
Southern Online Services .....	Russell Jackson .....	504-356-0790	BBS Data Systems .....	Greg Kaiser .....	708-991-2452
Wolf's Den BBS .....	Keith Shinkle .....	505-678-0902	The Seaside .....	Les Jones.....	805-964-4766
Computer Confident .....	Edward Zdrok, .....	508-528-2295	Metroplex BBS .....	Rick Vanhooser .....	901-327-1895
The Moonflower BBS .....	Peter Link .....	509-891-6148	The Ouija! Board Online Services ..	Keith Burgner .....	909-925-9564
The Night Owl II .....	Danny Dyess .....	512-836-4262	Mirage Network N.Y. ....	Brian Buffell .....	914-426-0729
Ranch House BBS.....	Larry Easley .....	512-945-9304	Dark Side of the Moon .....	Peter Cacchioli .....	914-621-2865
Your Software Resource .....	John Woodstock .....	516-736-6662	Executive Info Network .....	Andy Keeves .....	914-667-4567
The Improv BBS .....	Joyce Kohl .....	602-483-0344	Powerboard Support BBS .....	Scott Brown .....	914-833-1479
The Ghost House BBS .....	Michael Haley.....	606-441-2130	Black Gold BBS .....	Michael Cline .....	918-272-7779
The Livewire BBS .....	Richard Paquette .....	609-235-5297	The Hub! BBS .....	Warren Farrimond ..	918-627-0923

# UNAUTHORIZED COMPUTER ACCESS IS SERIOUS BUSINESS

BY SHARI STEELE

Proposed sentencing guideline makes unauthorized computer access a felony.



**W**hen a person is convicted of a federal crime, the sentence he or she receives is de-

termined by a strict set of guidelines that judges are required to use. Usually, these guidelines are based on the study of thousands of cases where sentences have been imposed for a particular violation. Recently, it has been proposed that a strict guideline for crimes committed under the Computer Fraud and Abuse Act (CFAA) be enacted. However, there have been very few examples of sentencing under CFAA on which this guideline could be based. Guidelines such as these are premature and could harm the future of computer communications.

## THE UNITED STATES SENTENCING COMMISSION

From the time this country was founded until October of 1984, people convicted of crimes were truly at the mercy of the court. For each criminal conviction, the particular judge who had heard the case would

decide the sentence to be served. While this method of sentencing enabled the judge imposing the sentence to take all facts of a specific case into consideration, it led to serious inconsistencies in the sentences imposed for people convicted of similar crimes before different judges. In addition, in many jurisdictions, those convicted of crimes often actually served much less time than the original sentences imposed. After ten years of study and debate, Congress enacted the Sentencing Reform Act as part of the Comprehensive Crime Control Act of 1984 to try to bring about a more honest, equitable and effective federal sentencing system. Probably the most important piece of this legislation was the creation of the United States Sentencing Commission.

The Sentencing Commission is an independent agency within the Judicial Branch of the government and was created to formulate guidelines that judges would be required to use in the sentencing process. The Commission is made up of a panel of nine distinguished judges and scholars. As a result of the Commission's efforts, people convicted of similar crimes now serve similar sentences, and the sentences

imposed now reflect the actual time that is to be served.

Basically, in order to assign a sentence, a federal judge now looks at the numerical weights assigned by the Commission to roughly 2600 criminal offenses. These offenses have been assigned a rank from 1 to 360, with extra points added for aggravating factors, such as using a gun during a crime, and points subtracted for mitigating factors, such as cooperation with authorities. Judges tally these numbers and hand down sentences that fall within prescribed minimum and maximum sentences determined by the Commission.

This is not to say that a judge no longer has any discretion in crafting a sentence in a case with unusual facts. But in order for a judge to deviate from the mandatory guidelines, that judge is now required to explain in the defendant's record why a sentence above or below that recommended by the Commission is being applied.

## THE COMPUTER FRAUD AND ABUSE ACT

The Computer Fraud and Abuse Act was passed by Congress in 1986 to protect computers owned by the federal government, federally insured

financial institutions (such as banks), and the private sector. CFAA expanded protections already on the books from previous legislation and created new offenses for theft or intentional destruction of computer data when interstate activities were involved or when the crime was committed against computers belonging to federally insured financial institutions. Trafficking in computer passwords by those who intended to defraud the owner of the computer was also proscribed. There was no specific sentencing guideline promulgated for CFAA at the time it was created. Rather, the general guideline for fraud usually was used. However, the Congressional Senators and Representatives who sponsored the CFAA made it clear at that time that they intended the unauthorized access of a computer covered by CFAA to be a misdemeanor and the theft of information to be a felony.

Between the time of CFAA's passage in October of 1986 and the present, there have only been five reported decisions that mention the court's sentencing for violations of the Computer Fraud and Abuse Act. In three of these reported CFAA cases, the judges involved used their discretion and fashioned unique sentences for the defendants based on the special facts of the case. One of these cases, the infamous "Internet Worm" case, represents the problems inherent with prescribed sentencing schemes for CFAA.

## **ROBERT MORRIS AND THE INTERNET WORM**

In the fall of 1988, Robert Tappan Morris was a 22-year-old Ph.D. student in computer science at Cornell University. Through his undergraduate studies at Harvard and various jobs he had held, Morris had a very high level of computer expertise and experience. He had published several technical papers and had lectured on computer security at the National Computer Security Center of the National Security Agency (NSA) and the United States Naval

Research Laboratory. When Morris enrolled at Cornell, he was given an account on the computers at the Computer Science Department, which gave him a connection to the Internet.

In mid-October of 1988, Morris began working on an experimental program that could spread as widely as possible to computers using the UNIX operating system connected to the Internet by exploiting security

---

*To his horror, he discovered that the worm was replicating much faster than he had anticipated...*

---

defects. His goal was to have this "worm" spread widely without attracting attention to itself. He, therefore, designed it to use little computer operation time or resources. He also programmed the worm to be difficult to detect and read so that it could spread widely without being "killed."

It is important to note here that, while Morris's worm was designed to access many computers, it was specifically designed not to read data, destroy data, or cause computers to cease functioning. To ensure this, Morris had the worm program ask each computer if any copies of itself were already present. If the computer responded "no," then the worm would copy itself onto the computer. If the computer responded "yes," then the worm would not duplicate itself onto that machine. However, to ensure that programmers

didn't simply avoid the worm by telling their machine to answer a false "yes," Morris designed the worm to duplicate itself every seventh time it received a "yes" answer from a computer. The worm was also written so that it was killed every time a computer was shut down, typically for repairs or backups.

It might be hard to understand why Robert Morris created this worm in the first place and why he designed it with so much detail. But it all begins to make sense when you think about the kind of person Robert Morris was. He loved computers. His father had worked on computer security systems for many years, and Robert had learned from a very young age to enjoy the challenges created by new applications of computer systems. His Internet worm offered him the opportunity to study an international network in a new and challenging way. And if his worm had worked the way he had designed it, he would have had the opportunity to watch distributed processing over an international network without causing any harm to anyone. This is not to say that what he did was right. But his intention was to study the path of the worm, not to cause harm. Unfortunately for him, things did not work out as planned.

At about 8:00 p.m. on November 2, 1988, Morris released the worm onto the Internet. Once the worm was launched, Morris had no ability to control it, and even limited ability to observe it. Upon returning from dinner, Morris checked the progress

*Continues...*

**Channel 1**® wins  
**1992 Dvorak/Zoom  
1st Annual Award  
for Best General BBS**

**Over 2,500,000 calls!**

**617-354-7077** 2400/1200  
**617-354-5776** 14.4 v.32bis

PO Box 338, Cambridge, MA 02238  
16 Gigs/PC Pursuit/Compucom/Telebit/HST 16.8



of the worm. To his horror, he discovered that the worm was replicating much faster than he had anticipated, replicating numerous times on many individual machines and slowing them down dramatically. As it turned out, Morris had underestimated the number of times a computer was asked by a new worm program seeking to gain entry, and the one-in-seven ratio of copying resulted in far more copies of the worm being replicated than Morris had anticipated. Realizing the seriousness of this error, Morris contacted a friend at Harvard's computing center and had him send out an apology with instructions on how to kill the worm. Unfortunately, because the electronic route was clogged, the message was not received until it was too late to do any good.

By the next day, the worm had slowed down or crashed computers at over 6,000 universities and research facilities all over the world. And, while the worm caused no per-

manent damage or destruction, the estimated cost of combatting it at various institutions ranged from \$200 to \$53,000.

Morris was indicted under the Computer Fraud and Abuse Act and pled not guilty, insisting that he did not intend to cause harm; in fact, he tried to put safeguards in to avoid causing harm. However, on January 22, 1990, a jury found Robert Tappan Morris guilty of violating the Computer Fraud and Abuse Act for intentionally accessing federal interest computers without authorization and causing a loss in excess of \$1000.

What sentence should a judge apply in a case like this, where the wrongdoer is a very bright young man with a promising future who made a programming error that caused extensive financial harm? Under the sentencing guideline in place at the time, Morris should have been sentenced to 15 to 21 months in prison. However, the

judge determined that the sentencing guideline for fraud, which was to be used for crimes of this nature, was too harsh and did not accurately address Morris's actions, which were not really fraudulent. On May 4, 1990, the judge departed from the suggested guideline and sentenced Robert Morris to three hours of probation, 400 hours of community service, a fine of \$10,050, and the costs of his supervision.

### THE NEW PROPOSED GUIDELINE FOR CFAA

The new sentencing guideline for the Computer Fraud and Abuse Act was proposed by the United States Department of Justice, which is the organization in charge of prosecuting violations of CFAA. In its "synopsis" of the guideline, the Justice Department explained, "Violations of the statute are currently subject to the fraud guidelines . . . , which rely heavily on the dollar amount of loss

Wouldn't it be nice to be able to "PLUG IN" a CDROM Disk then take a vacation from your BBS?

Well, we have one that can do just that...

With 5800+ of the latest shareware files to keep your users happy!

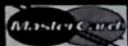
# PIER 1

None of that "OLD SCITUFF" crammed on this disk! In fact we'll even give you a FREE Sony Style Caddie to hold this little "JEWEL":

The MARKETplace!

P.O. Box 10925 St. Louis, MO 63135

1-800-289-1ROM



\$59.00

Please add \$5.00 Shipping



caused to the victim. Computer offenses, however, commonly [involve] harms that cannot be adequately quantified by examining dollar losses. Illegal access to consumer credit reports, for example, which may have little monetary value, nevertheless can represent a serious intrusion into privacy interests. Illegal intrusions in the computers which control telephone systems may disrupt normal telephone service and present hazards to emergency systems, neither of which are quantifiable."

To combat these problems, the Justice Department proposed that higher sentences be given to people convicted under CFAA if they altered any data, accessed and/or disclosed any confidential information (with even higher sentences given "if the defendant disclosed protected information to the public by means of a general distribution system" like a BBS), interfered with the administration of justice or any communications network that serves the public health or safety, harmed any person's health or safety, or committed the offense to cause malicious destruction or damage. In addition, if the offense did cause economic loss, the old fraud table would still be used along with this table to add to the sentence.

What does this mean in English? Well, a first time offender who accesses a computer without authority, copies a non-protected file, and posts that file to a BBS would get 10 to 16 months in prison with no parole — the judge has no discretion. And that's only if the person is a first-time offender and if the crime was done with no malice. If that first time offender cooperates with law enforcement officers and turns in his or her "accomplices," that person would still be required to serve 6 to 12 months in prison.

### PROBLEMS WITH THE PROPOSED GUIDELINE

Let's get back to Robert Morris. The judge in Morris's case was able to justify departure from the required guideline because Morris had not

engaged in fraudulent behavior. However, the newly proposed guideline for CFAA makes no such requirements. In Robert Morris's case, it is unlikely that the judge would have been able to depart from the proposed guideline. If the proposed guideline had been in effect, Robert Morris would have been required to serve approximately two years (21-27 months) in the federal penitentiary.

Robert Morris made a mistake — a really bad mistake. But would imprisoning him have done anyone any good? A legal system that does not take into account the motivation of the person committing a crime and the likelihood of deterrence through imprisonment is not very equitable and does not make much sense. Robert Morris, and others like him, are more valuable to society providing community service than sitting in a jail cell.

For this very reason, the Electronic Frontier Foundation (EFF), Computer Professionals for Social Responsibility (CPSR), and the Society for Electronic Access (SEA), all submitted comments to the Sentencing Commission opposing the new CFAA guideline.

Five decisions are not enough on which to base a guideline to be used in such an important and growing area of the law. New communications technologies, in their earliest infancy, are becoming

ing the subject of precedent-setting litigation. Overly strict sentences imposed for computer-related fraud and abuse may have the effect of chilling these technologies even as they develop. Until there are more cases on which to base a guideline, individual sentencing decisions are best left to the discretion of the sentencing judge, who presumably is most familiar with the facts unique to each case. Legal precedents, particularly the application of a sentencing guideline to violations of the Computer Fraud and Abuse Act, can radically affect the course of computer technology's future, and with it the fate of an important tool for the exchange of ideas in a democratic society. ■■■■

*Shari Steele is a Staff Attorney with the Washington office of the Electronic Frontier Foundation (EFF), a nonprofit organization dedicated to advancing freedom and openness in computer-based communications. Send your legal questions to Ms. Steele at [ssteele@eff.org](mailto:ssteele@eff.org) (Internet) or [Shari.Steele@bbscd.com](mailto:Shari.Steele@bbscd.com).*

\$79.95  
Sysop Discounts!  
Pretty Girls!  
PGI!  
Swimwear & More  
Perfect for BBS's!  
CD-ROM  
or less...  
400+ Images of Stunning New York Models  
All Images in True Color TIFFs and 256 Color GIF's  
MasterCard 1-800-PIKTURE (745-8873) VISA  
Never seen anywhere else before, these are originals!!  
Shareware viewers for Windows and Dos included  
FAX (716) 262-2257 Dealers Wanted

# DISCOUNTS TO SYSOPS

BY VICTOR R. VOLKMAN

**Y**ou may have heard that various modem manufacturers offer discounts on high-speed modems to qualified sysops. Its true: you can save 40% to 70% off list prices on brand-new, state of the art equipment. However, you will soon find yourself chasing down every BBS in the country trying to get all the details. When you get the details, you will still have to sort through and find out who really has the best deal. I've been researching Sysop Discounts since 1991 and until recently published regular electronic report (SYSMOD.ZIP). The readers of Caller's Digest will now get this report as a new monthly feature.

## PRICE AND PERFORMANCE

I've boiled down all the price and performance data from the manufacturers into a simple chart (see Table I). The minimum criterion is v.32 (i.e. 9600 baud) performance, since this is the worldwide high-speed standard. All modems also must have v.42bis for error correction and data compression to make this list. Your users won't settle for less and neither should you. As the V.FAST modems become closer to shipping, I'll be providing upgrade information on them.

## BUYERS RESTRICTIONS

If you're the sysop of a BBS that has

been operating 24-hours per day for the last six months, then you're automatically eligible for any of these discounts. Table II shows the minimum operating requirements as given by each manufacturer. Some manufacturers only require that you are currently running a BBS at time of ordering. A few, such as Hayes, may actually waive the current operating requirement.

Once you receive your modem, you're expected to keep the BBS up and running between six and twelve months (requirements vary). Generally, the modem is yours to do whatever you want with after this period expires. Some manufacturers may ask you to never sell modems purchased on a discount plan. Modem resellers, such as computer stores, are generally excluded from participation in discount plans.

Most manufacturers allow you to purchase up to one modem per incoming BBS phone line. However, if you plan to purchase more than four modems at the discount price, then you should talk to someone before placing your order. Multiple modem orders may require you to submit copies of phone bills as proof. At that point, there may be traditional quantity discounts available.

Nearly all of the modem vendors are accepting VISA and Mastercard for orders. Some (Accex, ATI Digi-

com, Forval) still do not accept credit cards for orders. In those cases, you must submit a cashier's check or money-order. Personal checks often require additional clearing time which just holds up your order.

One requirement, which goes for all vendors, is that they generally expect at least a one-line advertisement somewhere in your welcoming screens. For example: "Using the finest Model YYZ modem from Acme Modem Co.," would be perfectly acceptable in all cases.

Most vendors will expect you to create a special account on your BBS for them to verify at least one of your phone numbers. They don't like to have to sign on without a pre-existing account.

## ORDER PROCESSING AND AVAILABILITY

Delivery times and schedules vary radically, so your mileage may vary. My own experience with Hayes Corporation is that they will generally ship Sysop orders within 48 hours. I have also ordered from Practical Peripherals and they have a mandatory three week waiting period before they ship. On the far extreme, US Robotics guarantees a two to six week waiting period. Table III summarizes the published processing schedules of each manufacturer. Remember, the manufacturers are

doing you a favor by offering discounts below retail. Please observe courtesy.

For Canadian, European, and other sysops outside the U.S., you may or may not be eligible for a discount offer. Please check carefully ahead of time to avoid disappointment. You may want to check with their European subsidiaries before contacting the U.S. office.

### TOP GUN TROPHY

The AT&T Paradyne shoots down all competition with an incredible deal: external v.32bis with fax modem for \$222. They currently stand about \$27 cheaper than the next lowest priced competitor. Practical Peripherals and Supra stand down to second place.

### UPDATE INFORMATION

If you have information about manufacturer discounts then please contact me through one of the ways listed below.

**Internet:** sysop@hal9k.ann-arbor.mi.us or Victor.Volkman@bbscd.com

**U.S. Mail:** Victor R. Volkman C/O Callers Digest Inc., 701 Stokes Rd., Mt.Laurel NJ 08054.

*Continues...*

## CHANGE OF ADDRESS

Don't delay your BBS Callers Digest—  
if you've moved let us know!

**OLD Address** (affix your mailing label or fill in the old information)

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State/Zip Code \_\_\_\_\_

**NEW Address**

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State/Zip Code \_\_\_\_\_

**Mail to:**

BBS Callers Digest, 701 Stokes Rd., Medford, NJ 08055.

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

# MONEY

## With Your Modem

The Monthly Guide for Online Entrepreneurs

### MAKE MONEY WITH A BBS!

Alan R. Bechtold, noted online author, publisher, editor and sysop, will **SHOW YOU HOW**, step-by-step, month after month.

With more than nine years' experience in the BBS industry, Alan knows the ins and outs of running a BBS for profit. If he doesn't know the answers, he knows the people who do. In his newsletter, you'll learn how to define a personality for your board, how to latch on to a unique niche in the market, how to design your board to attract callers and make them want to subscribe, how to publicize your board without spending a fortune, low-cost advertising that works, which software will work best for you, marketing plans and offers that will generate cash on your board, how to avoid legal liability and more! Whether you already run a board or plan to in the future, everything in **MONEY WITH YOUR MODEM** is geared toward increasing your cash flow and lowering your costs **NOW!**

*"I enjoyed your first issue very much and look forward to more" --- Gloria La Hay, The Lambda Zone BBS*

*"Loved the first issue -- the writing, information, even the paper -- don't change a thing!" --- George Matyaszek, Chicago Syslink*

*"A good idea and a highly informative read. I'm sure it'll be a great success!" --- Karen Birch, The Invention Factory*

**More than a newsletter...it's a year-long seminar on making your BBS PAY!**

**BBS** 8125 S.W. 21st Street  
**PRESS** Topeka, KS 66615  
**SERVICE, INC.** 913-478-3157 -- voice  
913-478-9239 -- data

### Plus...

A 3-ring binder and  
**DIRECT ONLINE**  
**ACCESS** to Alan and the  
other readers!

**SAVE \$25!!!**

Mention this ad and get 12  
issues, a \$150 value, for...

**...ONLY \$125!!!**

# NEW!



## HI-TECH HOME Weekly

Top-notch professionally-written news and reviews covering the world of home entertainment, education and utility, including new music, home videos, television, computer hardware and software, CD-ROM, home office and much much more! 48 times per year and ready-to-post on YOUR BBS. **LESS than \$20 per month!!!**

**PLUS...**

**Micro Sports Collector**

*(only \$5/month!!!)*

And...**Business Sense**  
plus **Thinking Magazine**

**... FREE!!!**

**CALL FOR DETAILS!**

**BBS** 8125 S.W. 21st Street  
**PRESS** Topeka, KS 66615  
**SERVICE, INC.** 913-478-3157 (Voice)  
913-478-9239 (Data)  
913-478-1189 (FAX)

**TABLE I — SYSOPS HIGH-SPEED MODEM DISCOUNTS BY VENDOR AND MODEL TYPE**

Vendor/ Product	9600 v.32 Internal	9600 v.32 External	14400 v.32bis Internal	14400 v.32bis External
<b>Aceex</b>	N/A	N/A	1496VP* \$290	1496V+* \$320
<b>AT&amp;T Paradyne</b>	N/A	N/A	3721-B1-001* \$202	3710-A1-201* \$222 3710-A1-211 \$206
<b>ATI Technologies</b>	N/A	9600 ETC/E \$275	N/A	N/A
<b>Digicom Systems</b>	Scout \$241	Scout \$248	Scout Plus \$266 9624PC+ \$340	Scout Plus \$276 9624LE+ \$350
<b>Forval</b>	N/A	N/A	14400 (Int.) \$375	14400 (Ext.) \$405
<b>Hayes Corp.</b>	N/A	Ultra 96 \$399 Refurb. \$250	N/A	Ultra 144 \$499 Optima 144+FAX* \$299
<b>Intel</b>	N/A	N/A	SatisFax/400 \$249	14.4 EX \$269 SatisFAX/400e* \$279
<b>Multi-Tech</b>	MT932ECB \$450	MT932EAB \$450	N/A	N/A
<b>Practical Peripherals</b>	N/A	N/A	PM14400FXSA* \$249	PM14400FXSA* \$249
<b>Supra Corp.</b>	N/A	SupraFAXModem* \$199	SupraFAXModem* \$199	SupraFAXModem* \$249
<b>USRobotics</b>	N/A	N/A	N/A	HST Dual Stand. \$449 Courier v.32bis \$299
<b>Ven-Tel, Inc.</b>	PCM96FAX* \$310 MCM96FAX* \$340 MCA	EC96FAX* \$330	PCM144FAX* \$325 PCMV.32bis* \$505 MCM144FAX* \$400 MCA	EC144FAX* \$365 ECV.32bis* \$550 RMV.32bis* \$450
<b>Zyxel</b>	N/A	N/A	U1496B* \$289	U1496E* \$299 U1498* \$450

Notes on Table I:

\* Modems with an asterisk include 14,400 baud FAX send/receive at no extra charge!

1. All internal modems are assumed to be PC-AT ISA bus unless otherwise noted.

2. Consult manufacturer for details on availability of Caller ID or voice-mail processing options (any modem above).

3. These prices NEVER include shipping and handling, which is always extra.

**TABLE II — SYSOP BUYERS RESTRICTIONS — IMPORTANT!**

Vendor Contract	BBS must have been up and working for...	After buying it, you must use it for...	Maximum number of modems you may buy...	Credit Cards Accepted for Purchase
Acceex	currently	6 months	1 per phone. No Maximum	none
AT&T Paradyne	6 months	6 months	1 per phone. No Maximum	VISA Mastercard American Ex.
ATI Technologies	currently	6 months	1 per phone. No Maximum	none
Digicom Systems	currently	6 months	1 per phone. No Maximum	none
Forval	N/A	N/A	No Maximum	none
Hayes Corp.	6 months (may be waived)	unspecified time	1 per phone. Max. 4, may be negotiated	VISA MasterCard
Intel	currently	12 months	1 per phone. Max. 4.	VISA MasterCard American Ex. *
Multi-Tech	currently or plan to	unspecified time	1 per phone. No Maximum	none, must have Cashier's Check
Practical Peripherals	currently	unspecified time	1 per phone. No Maximum	VISA Mastercard
Supra Corp.	currently	unspecified time	1 per phone. No Maximum	VISA Mastercard
USRobotics	6 months	6 months	1 per phone. No Maximum	VISA Mastercard
Ven-Tel	6 months	N/A	1 per phone. No Maximum	VISA MasterCard
Zyxel	3 months	6 months	1 per phone. No Maximum	VISA MasterCard

\* Indicates no personal checks accepted.

**SUBSCRIBE TODAY TO BBS CALLERS DIGEST**

**Call Toll-Free 1-800-822-0437**

charge your subscription to your Visa or MasterCard.

**TABLE III — SYSOP ORDER PROCESSING, AVAILABILITY, FIRMWARE UPGRADE POLICY**

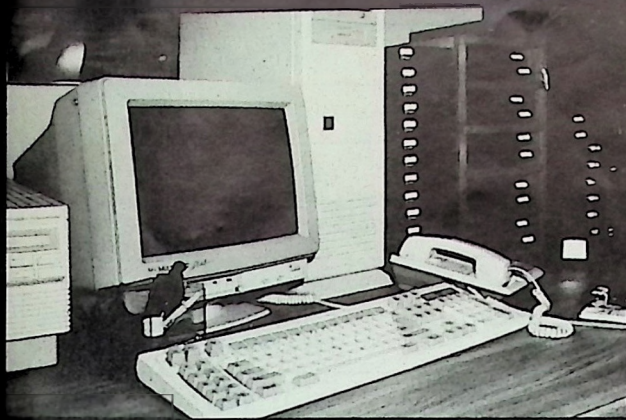
Vendor Name	Orders can be placed placed for shipment to these countries...	Typical time between order and shipping	Firmware (ROM) upgrade policies
Acceex	U.S., Canada (Canadians must pay 8% GST, +7% Ontario res.)	Unspecified	Unspecified
AT&T Paradyne	U.S. only	3-4 weeks	Unspecified
ATI Technologies	U.S., Canada (Canadians must pay 8% GST, +7% Ontario res.) CAN\$ prices assume exchanges rates of of CAN 1\$ = US \$0.83	4-6 weeks	Unspecified
Digicom Systems	U.S., Canada, Europe, Africa, Asia, Australia (185 to 245 VAC)	2-3 weeks	Unspecified
Forval	U.S., Canada, Europe (call for details)	1 week * (or less)	Anyone can download from their BBS and load the EEPROMS w/AT command
Hayes Corp.	U.S., Canada (Canadians must pay pay 13.9% customs tax)	1 week * (or less)	Will replace entire modem if warranted, otherwise no upgrade
Intel	U.S. only	2-4 weeks	Unspecified
Multi-Tech	U.S. only	Unspecified	Unspecified
Practical Peripherals	U.S. only	3-4 weeks *	Call their voice line and they will send FREE
Supra Corp.	U.S. only	3-4 weeks	Call their tech support BBS and order them FREE
USRobotics	U.S., Canada, Europe (110/220 VAC only) see EURODEAL file	2-6 weeks	Unspecified
Ven-Tel	U.S., Canada	1-2 weeks	Unspecified
Zyxel	U.S., Canada	1 week (or less)	Unspecified

\* indicates the shipping time has been personally verified by my own purchasing experience.

**Order processing:** "Unspecified" means there's nothing in writing, you could be looking at from 1 to 8 weeks.

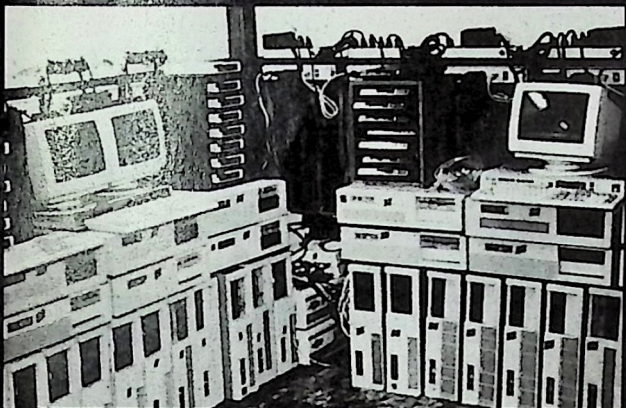
**Firmware upgrade:** "Unspecified" means that the policy is simply not publicized. If the modem was properly engineered and tested, no upgrades should be necessary.

# IT'S YOUR CHOICE. A MULTI-USER BBS YOU CONTROL...



THIS IS 100%  
OF THE  
HARDWARE  
REQUIRED TO  
RUN 64 LINES  
AT EVENT  
HORIZONS  
USING TBBS  
VERSION 2.2.  
(503) 697-5100

# OR ONE THAT CONTROLS YOU.



THIS IS PART  
OF THE  
HARDWARE  
REQUIRED TO  
RUN JUST 24  
LINES AT  
RUSTY'S &  
EDIE'S BBS  
USING  
PC BOARD  
SOFTWARE.  
(216) 726-0737

You started out to build a multi-user BBS. You had dreams about the service your system would provide to your callers, the problems you would solve and the money you would make. But you didn't bargain for the pile of hardware you would live with every day and now it controls your life.

As you compared the prices of software you missed the fact that the design philosophy of BBS software forces many hardware decisions on you. When all costs are considered TBBS is ALWAYS the least expensive way to build a full function multi-user BBS. And ONLY TBBS allows you to achieve high performance with 64 high speed lines on a single CPU with NO custom hardware.

True freedom is the ability to spend your time as you wish. For ten years TBBS has provided the freedom to design custom systems you can live with. Talk to real multi-user BBS sysops. You will notice that only TBBS operators talk first about ideas, not hardware and software. No one gets more capability with less impact on their lives than TBBS sysops.

2 user TBBS 2.2 \$295.00, 16 users \$895, 32 users \$1,495 and 64 users \$1,995. Add the TBBS expansion module and compiler for true multi-user dBASE language capability.

CALL FOR MORE INFORMATION  
AND ACCESS TO A  
DEMONSTRATION  
SYSTEM.  
(303) 699-6565.



15200 E. Girard Ave.  
Suite 2550  
Aurora, CO 80014

## version 2.2

# tbbs

**MULTI • USER BBS SYSTEMS**

**TABLE IV — VENDOR CONTACT INFORMATION**

Vendor Name	Call their BBS at this number and...	...download this file.	If you have questions or problems call..
Aceex	(416)538-9999	ACEEX.ZIP	(416)538-0101
AT&T Paradyne	None	None	(813)530-2000
ATI Tech.	(416)756-4591	SYSOPLAN.ZIP	(416)756-0718
Digicom	(508)262-1412	SCOUT.TXT	(508)262-1277
Forval	(408)294-3065	FORVAL.ZIP	(408)294-0526
Hayes Corp.	(404)446-6336	H96SYSOP.TXT	(404)840-9200
Intel	(503)645-6275	OFFER.TXT	(503)228-9707
Multi-Tech	(612)785-9875	MULTI.DOC	(612)785-3500
Pract. Per.	(805)496-4445	SYSBBS.TXT	(805)497-4774
Supra Corp.	(503)967-2444	SUPRA.TXT	(503)967-2400
USRobotics	(708)982-5092	SYSDEAL.TXT	(708)982-5010
Ven-Tel	(408)922-0988	VENTEL.TXT	(408)436-7400
Zyxel	(714)693-0762	ZYXEL.TXT	(714)693-0804

# PCB-UUCP

PCBoard Internet/USENET Gateway

Don't settle for a kludge! PCB-UUCP is the only full-featured affordable Internet/USENET gateway for your PCBoard system. PCB-UUCP handles Private Internet Mail, USENET Newsgroups, BitNet Mailing Lists, plus an awesome array of other features.

- File attachments
- Seamless replies
- User notification of new mail
- Create your own newsgroup or mailing list
- LISTSERV function for both mailing lists (SUB/UNSUB) and files (GET/LIST)
- Powerful setup & install programs
- Redistribution of newsgroups and mail to down-stream systems
- Archiving of newsgroups
- Handles moderated and read-only newsgroups
- Message blocking
- Fully network compatible
- PCBoard 14.x & 15.0 Support
- Plus much, much more!



Merlin

Systems

Merlin Systems, Inc.  
 P.O. Box 3043, Station C, Ottawa, Ontario K1Y 4J3  
 Internet: info@merlin-systems.on.ca  
 FidoNet: info 1:163/509  
 MHS: info@merlin

**Voice: (613)236-1138**  
**Fax & BBS: (613)236-1481**

**Don't miss another issue —  
 Subscribe Today  
 BBS CALLERS DIGEST**

- 1 year USA \$30     2 years USA \$55  
 CANADA \$50                      CANADA \$95

**You can charge VISA or MasterCard by  
 calling 1-800-822-0437 (10 a.m. - 4 p.m. e.s.t.)**

- Bill me
- Enclosed is my check for \$ \_\_\_\_\_
- Credit card (circle one)    VISA    M/C
- # \_\_\_\_\_ Exp. \_\_\_\_\_

Signature \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State/Zip Code \_\_\_\_\_

**Mail to: BBS Callers Digest, 701 Stokes Rd.,  
 Medford, NJ 08055.**

*If paying by credit card,  
 you may FAX this form at (609) 953-7961.*





# Free CD-ROM Disc!

Demo and Test contains 350 megs of PC Shareware & PD software. Including Special CD-ROM Benchmark & Test Utilities written by our programming staff, and NOT available on any other CD-ROM Discs. Our Special Test Utilities measure throughput as well as access times in a reliable and consistent manner for a meaningful real-world benchmark for CD drives. The Disc and Interface Software are fully functional (even for BBS use) and not crippled in any way. When purchased separately Mega Demo & Test is \$14.00 plus \$6.00 for S&H - However for a Limited Time Only this Demo and Test CD-ROM Disc is Free with any CD Disc purchase.

## So what's different about PROFIT PRESS's CD-ROM Discs ... Besides Interface Software that'll Blow Your Socks Off?

All of the archive files have been read and indexed by our hypertext search engine which creates a file on the CD-ROM Disc that allows for searches on unique words and phrases. This means that the user can search the entire disc in less than 10 seconds and the search will include ALL of the documentation INSIDE the archive files. For DOS and Windows 3.1 users we provide both MegaSearch and MegaWin our Graphical Search and Retrieval Software that allows the user to view 256 Color Gif's, Animated Color Fl'i's, play SOUND BLASTER sound Files, plus view and search for text strings INSIDE the archive files, all with just one keystroke or mouse click.

All of our CD-ROM Discs are "BBS Ready" and include files.bbs, plus MegaDoor and MegaTerminal. Both programs fully support the hypersearch lookup features of MegaSearch. MegaTerminal is our "Remote BBS Graphical User Interface" for MegaDoor that allows the remote user to access MegaDoor using... Mouseable Pull-Down Menus in a Windowed Environment! Try MegaTerminal! It's unlike anything seen before on public BBS systems. You Have to See it to Believe it. Call our BBS at (602) 299-0693 or at (602) 577-6969. Select Doors from the main menu, run door #1, enter ! to download MegaTerminal, unZip, read the short document megatern.doc, install as instructed and experience MegaTerminal!



650 Megs Over 7,000 Virus Free Files - 1 plus Gigabytes Uncompressed! Contains Sound files, 256 Color GIF's, FLI's, Utilities, Programming, Bibles, True Type Fonts, WINDOWS Programs, Electronic Magazines, Communications, BBS Programs, Plus Much More! - 65% different or newer files than Mega CD-ROM 1



600 Plus Megabytes Over 4,861 Virus Free Files - 1 plus Gigabytes Uncompressed! Filled With Windows and OS/2 Shareware and Public Domain Files Including Sound files, Utilities, Programming, Plus Much Much More!



Over 600 Megabytes Filled With Hundreds of 256 Color .Gif's, .Fl'i's of all types & Includes our New "Zoom-In Catalog System" with our Built In .Gif Viewer, plus Loads of Sound files, .Mod, .Rol, .Wav, & .Voc, + Utilities for Sounds & Graphics!

Suggested Retail Price  
\$79.00 for each CD-ROM Disc

Now, for a Limited Time Only!  
**\$29.00 each**  
or get all 3 of these fantastic  
MEGA CD-ROM Discs for Only!

# \$69.00

New Release!



For Adults Only GOLD - Just The Best of the Best - Many .Gif's are New and NOT included on FAO 123 ".Gif's with No BBS Logos" Over 600 Megabytes "Wife Proof Labels" 256 Color .Gif's with resolutions up to 1280x1024, 256 Color Animated Fl'i's, Gl's, .DI's, Games, and ASCII Fantasy Text Files. We have also included our New "Zoom-In Catalog System" with our Built In .Gif Viewer, plus The FAO Series is the Only Adult CD-ROM Discs with MegaDoor and MegaTerminal plus a True MS Windows 3.1 User Interface!

Special Introductory Price Only!  
**\$39.00 ea.**

New Release!

Red Hot! Super Special!



For Adults Only  
3 Disc Collection

For Adults Only "Wife Proof Labels" 256 color GIF's, with resolutions up to 1280x1024, 256 Color Animated FLI's, GL's, .DI's, Games, and ASCII Fantasy Text Files. - This Huge 3 Disc Collection Contains 1,892 Megabytes with Over (Count Them) 16,180 Files!

Now, for a Limited Time Only!  
Get all 3 of these fantastic  
FAO CD-ROM Discs for Only!

# \$69.00



650 Megs 8,036 Files. Over 1plus Gigabytes Uncompressed! Contains Sound files, 256 Color GIF's, FLI's, Utilities, Programming, Bibles, True Type Fonts, WINDOWS Programs, Electronic Magazines, Communications, BBS Programs and Utilities, Plus Much Much More! Contains Many Files Intentionally Not Included on Mega CD-ROM 2 - Mastered 1/92

Special Offer Supplies Limited!  
**\$19.00 ea.**



A Must Have for Everyone not just Sysops! - 600 plus Megabytes! Over 7,215 Files. Includes the SDN complete Library, SDN International is the largest not for profit author direct file distribution network in the world. Also included is WinNet - Windows Library, DVNet - DesqView Library, LanNet - Lan Library, DDS - Door Distribution System Library, SDS - Sysop Library, Digital Gamers Review OnLine Magazine, Boardwatch Magazine's Online Edition, FIDONet News, ASP Shareware, Genealogy, Cooking, Games, Graphics, and Utilities of all types, Plus Much Much More! - Mastered 6/92

Special Offer Supplies Limited!  
**\$29.00 ea.**

**SONY Caddies \$4.75 ea. with Non Demo CD Purchase - Questions & Dealer Info. Call (602) 577-9696**

All prices are quoted in U.S. dollars, with funds drawn on U.S. banks. The prices listed above do not include shipping and handling.

PROFIT PRESS, 2956 N. Campbell Ave., Tucson, AZ 85719  
INFORMATION (602) 577-9696 - FAX (602) 577-9624



ORDERS ONLY! Call Toll Free  
**1-800-843-7990**



**Rusty**      **Eddie**

Call a different kind of BBS "We are the Friendliest BBS in the World". Our name says it all. Eddie and I are a couple of burn outs from the 60's. We didn't like rules then and we don't now. Come on in and relax, you will be among friends. We have a huge adult section, including over three gigs of adult graphics, as well as a fine selection of public domain and shareware programs, including over a gig of family type graphics. But that's not what sets us apart. When you call the first time, you'll know what no amount of words can tell you, you are Home. That's right, put up your feet and enjoy yourself.

We live by three no's: "No Censorship, No Rules, No Hassle".

You'll find us like no other BBS:

- We answer your messages and comments.
- We answer your on-line pages.
- We post our address.
- We post our voice phone number.

**Rusty n Eddie's BBS**  
1480 Fredricksburg Drive  
Youngstown, OH 44512

Voice ..... 216-726-4217  
HST only ..... 216-726-1804  
Compucom ..... 216-726-3584  
Hayes V-Series ..... 216-726-3619  
All (V32 etc.) ..... 216-726-2620

## BOOK RELEASES

### VENTANA VOODOO REVEALED FOR THE MAC

by Kay Yarborough Nelson  
320 pages, \$21.95

Nelson, acclaimed author of numerous Macintosh books and 1992's bestselling Voodoo series from Ventana, shakes her bones and herbs at the Macintosh, conjuring an array of tips, tricks and traps to enlighten Mac users at all levels. No mere mechanic, Nelson combines a sense of humor and genuine awe with a psychic perception of the everyday Mac user's needs. Beginners and intermediates alike will marvel at such revelations as:

- Secrets of the Finder: aliases; icon magic; desktop, folder & trash tips; mouseless movement; keyboard shortcuts; searching sorcery.
- Menu Magic: customizing your Apple menu; adding keyboard shortcuts to Finder menus and other menu tricks.
- Captivating Customization: customizing dialog boxes & menus; creating, editing and "stealing" icons; changing cursors; designing desktop patterns; remapping the keyboard;

editing the System & Finder files; working worry-free with ResEdit.

• Presto Printing & Font Magic: batch printing; network printing tips; TrueType trickery; secret symbols; pondering Postscript puzzles; service bureau hints.

For more information please contact: Diane Lennox at 919-942-0220 or on Internet: delennox@aol.com

### FIVE NEW BOOKS ON THE LATEST RELEASE OF MICROSOFT DOS 6.0

Osborne/McGraw-Hill will publish five new editions of its popular books on DOS. These new books cover all versions of Microsoft's DOS including up-to-the-minute information on the latest release.

Among the five books to be published is one of Osborne's most successful and critically acclaimed books, *DOS Made Easy, Fourth Edition* by Herbert Schildt (\$19.95) which has sold over 250,000 in three previous editions. Schildt's popular *Made Easy* tutorial is written to help readers master beginning and intermediate-level DOS skills.

The Fourth edition of Kris Jamsa's bestselling *DOS: The Complete Reference* (\$29.95), offers DOS users at every skill level, everything they could ever want to know about DOS. In 46 chapters, Jamsa explains in detail every command, feature, and function along with many tips and tricks known only to DOS wizards. With over 350,000 copies previously sold, the newest edition is sure to be another blockbuster.

New editions of three other popular books on DOS by Kris Jamsa include — *DOS Inside & Out, Second*

## SUBSCRIBE TODAY

Call Toll-Free 1-800-822-0437

and charge your subscription to your Visa or MasterCard.

*Edition* (\$27.95) offering busy readers the opportunity to master specific topics at their own speed through the popular 15-minute hands-on learning format.

*DOS: The Pocket Reference, Third Edition* (\$9.95) a handy guide containing concise descriptions of all the essential commands arranged alphabetically for speed and convenience; and *Simply DOS, Second Edition* (\$14.95) a short, user-friendly book, with a wealth of illustrations that introduces absolute beginners to the essentials of computers and DOS.

## MACWRITE PRO INSIDE & OUT

by Steve Michel and Dale Coleman  
439 pages, \$19.95

Osborne/McGraw-Hill announced publication of *MacWrite Pro Inside & Out*, a new book on version 1.0 of Claris Corporation's powerful new wordprocessing program for the Apple Macintosh.

Written by two Mac savvy authors — MacWEEK's Steve Michel, who writes the Script Manager column, and Dale Coleman, MacWEEK's editor-at-large and author of the bestselling first edition of the *Macintosh Bible* — this comprehensive book covers this outstanding program inside & out. Divided into four parts, Part I's Basics section begins with fundamentals including — creating, editing, formatting, and printing basic documents. In Part II's Advanced Topics, the authors cover the most powerful aspects of the program including MacWrite Pro's powerful Frames that provide many desktop publishing features.

In Part III, titled Recipes, the authors apply MacWrite Pro's desktop publishing features to cook up tantalizing creations such as resumes, newsletters, forms, academic papers, and even how to create a catalog. Part IV's Appendixes provide valuable information on installation, utilities, file translators and

Macintosh fonts.

Written for all users — brand new or upgrading from a previous release — this book has everything needed to become a MacWrite Pro!

## INSTANT WORD FOR WINDOWS

by James Nadler  
232 Pages, \$19.95

Osborne/McGraw-Hill announced publication of *Instant Word for Windows*, a new book that explains how to take advantage of Word for Windows ready to use templates to perform many kinds of business tasks almost instantly.

In Part I, Instant Documents, the book covers working with document templates such as letters, memos, reports, proposals, press releases, and more. Each chapter describes a separate template and explains how to produce results with that template in approximately 10 minutes or less. Nadler, author of the bestselling *Microsoft Publisher Made Easy*, also teaches users how to work with five Word for Windows' tools for creating tables, pictures, lists, symbols, WordArt and more.

In Part II, Advanced Templates, five chapters provide detailed information on key features introduced in Part I's Instant section that will help readers use the templates even more effectively as they become experienced users. In Part III's Experimenting with Real World Applications, Nadler includes three easy to follow lessons designed to help users explore the templates further through challenging advanced-level projects.

For instant success, *Instant Word for Windows* is the one book to turn to!

## FOXPRO 2.5 FOR DOS MADE EASY

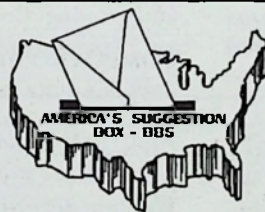
by Edward Jones  
700 pages  
\$24.95

Osborne/McGraw-Hill announces publication of *FoxPro 2.5 for DOS Made Easy*, a new guide covering the latest release of Microsoft's top-selling FoxPro Database.

In this third edition of the acclaimed FoxPro Made Easy, database expert Ed Jones provides a complete step by step guide that is simple, yet thorough. Beginners will find easy to follow step by step chapters on database creation, data manipulation and entry form creation that will get productive results in no time. Plus, hands on lessons and helpful exercises will help build skills and confidence.

FoxPro users upgrading to this new release or switching from another database program, will appreciate Jones' discussion of all the new features of release 2.5. Intermediate users can take advantage of this book to gain mastery in file management, customizing applications, learning how to effectively intergrate FoxPro 2.5 with other software programs including WordPerfect and Lotus, perfecting programming skills, and much more.

After two highly successful editions, FoxPro users have made Jones' book not only a bestseller, but have recommended it as a guiding source book on this high powered database manager. ■■■■■



Call ASB Today -  
Become part of one of the  
fastest growing BBS's!

**516-471-8625**

*"Why pay for an average Service  
when you can get ASB for FREE"*

- 3.6 gig of Quality Files
- 16 14.4 Lines
- ASP Approved
- The ShareWare ShowCase
- Friendly Interface & Sysop
- Internet E-Mail
- USAToday/Weather/Boardwuch
- Toss your ideas in the
- Suggestion Box for increased
- access.

# CLASSIFIED ADS

The classified ads are for **Pre-Owned items & Software**, and for **BBS ads** only. Ads for new equipment must be inserted in the regular display advertising sections. No logos, or photos, or any other illustrations can be used in the classified ad section.

**INSTRUCTIONS** are provided to keep the ad rate low and to ensure accuracy. Use the form on the next page to type or print your ad. Ads received that are difficult to read will be returned. **Write the desired category at the top of each ad.** If a category is not specified, the ad will be placed in the Misc. section. **If more than one ad is submitted, use a separate piece of**

**paper for each ad. Ensure that your complete name and address is at the bottom of each ad sheet.**

**CLASSIFIED RATES** as of February, 1993— \$25 per month or \$250 for the entire year. Ads can contain up to 300 characters. The name of the BBS is set in boldface capitals. All other type is plain only.

Fill out the form on the next page and **FAX** your ad to 609-953-7961 or **MAIL** it to BBS AD, Callers Digest, Inc., 701 Stokes Rd., Medford, NJ 08055 with check, money order, or credit card information, or call 609-953-9110, 10 am - 4 pm EST.

## BBS ADS

**100,000 FILES.** The House of Files BBS has more software than you will use in a lifetime. Browse our system for free. Call 516-938-6722.

**AAG BBS**, almost anything goes BBS: Located in Jackson, MI, running Galacticomm's Major BBS, is an 8-line system with 15 gigs. Yes that's right 15,000 Megs of files. Supporting 8 Gigs of Adult files, and 7 Gigs of IBM, Unix and Amiga files. Over 700 online adult stories, Online Chats, Games, Forums, and Daily Lotto. There is absolutely no file ratios, and no time limits on the system. The price is right, only .08 cents/hour, or \$30/year. Come see for yourself, and enjoy all we have to offer. 1-517-789-9826 (2400), 1-517-789-8608 (9600).

**ADLINE, U.S.A!** (708) 260-8818 80386 w/330MB, 2400bps, Free Service, over 2,000 programs: Business, Games, Graphics, Pictures, Adult. Free Classified ads. Ads from local businesses. "The Future of Information Services."

**THE BACKDOOR BBS**, 804-229-7269 — The East Coast's Premiere Adult BBS. We cater to ALL lifestyles. Multi-line 14.4 connections. Over 1.5 Gigs online. 5 International Message Networks. Online Games, CD-Rom, and more! Subscribe online with Visa/MasterCard/Amex/Discover.

**BCS BBS**, (213) 962-2902, Four High Speed Modems(DS) and growing. Gigs of files with the latest files added every day. Qsoftware support, Intelligent Conversations, Excellent Conferences, ever expanding on-line services. One week FREE access!

**CAREER DECISIONS BBS**, 909-864-8287 — If you are job hunting, be sure to give us a call. Employment listings, Recruiter Directory, Resume Services, Book Reviews, Job profiles, Salaries, Relocation Tips, related shareware, and more. New features being added daily. Free access. Running WildCat at 14.4bps,N,8,1

**CHANNEL 1 ONLINE**, 617-354-3230— Using PCBoard. "The Best Files in the USA", 90 lines, v.32bis support. 96 IBM file libraries; Amiga; Macintosh; Unix; Adult. Massive Windows, .GIF's, sound files collections. Online games and shopping. Echo Nets. InterNet. Over 2,500,000 calls and growing. Come Join us!

**COMPU-EROTICA BBS**: 312-902-3599 - 11 lines of Adult Chat and Fun. Online Adult Lifestyle Conferences, games, member-GIF's, and more. If you like your chat hot, you'll - love - CEBBS! 2400/1200/300 baud. Women receive FREE access. Men - \$45.00/yr. Visa/MC/CK/MO. Sysops: Tigger and Ronnie. Voice info: 312-902-3591

**INTERACTIVE PERSONALS NETWORK**, 612-890-8405 — Service dedicated to online personals with online images and

matchmaking. Graphical interface using Coconet host. 80486 - 600MB, 4 lines (and growing). AT&T Paradyne Modems at 14.4bps. Visa/MC/AutoDebit accepted. Must be 18.

**THE LIVEWIRE BBS**, (609)235-5297 (HST) using PCBoard v14.5/10, Support BBS for several door programs such as: LiveStore, Feud, Lucky-7, Facts, Songs, SexQuiz, Races, Lottery, TvTrivia, WordPlay, CD-Sub, Choice, Match, Colors, WordMath plus much more. Also support BBS for "BBS Callers Digest Magazine" both print and Online Version. Member of ILink, Intelec, Rime, SmartNet, PoliceNet (150:350/29) and FidoNet (1:266/36), Internet: Publisher@bbscd.com.. Home BBS for new Network called "RealLife Net" looking for more nodes to join with PcRelay or QWK msg format. Free Access to look around and subscriptions accepted online with Visa/MasterCard with immediate upgrade. Attempt to WIN a FREE subscription to BBS Callers Digest with the CDSUB command or buy a subscription with your credit card. Sysops can call 609-866-2551 (DS) to register doors using Visa/MC only. Special access for writers, cartoonist or publishing related callers.

**MAC LINE** 608-233-1798 Firstclass system at 14,400bps. Mac files, messages, news, chat etc. Playmaker Football league. Mac Guru Conference.

**MAIN FRAME BBS**, (301) 654-2554, Online since 1984. Now with 8 lines and growing, thousands of files. Close to 300 networked conferences. Options to join for free or subscribe online. Please find our BBS listed in the display Ad for PCBoard elsewhere in this issue.

**MICRONET PCBOARD**, 1-615-690-0428 -PCBoard v14.5e/E3, Sysop: Ted Freeman. We are back online in Tennessee. Home of DoorFrame, DoorBill, Real Time Chess, Real Time Checkers, Real Time Othello, Eliminate, Total Recall, PegJump, 4-Square and Quizard Mtn. Member of RIME Network. New versions of all door programs now available along with updates to DoorFrame for programmers.

**THE NEXT GENERATION BBS**, PCBoard 14.5a/E3. Home of Trek Trivia Online. 1.5 Gigs files, 750 Megs of the latest adult Gifs. Message Networks; RelayNet, Intelec and After Dark Adult Network. Visa/MasterCard accepted online. Sysop: John Carcione. 1-609-482-7345.

**NOCTURNAL EMISSIONS BBS**, (718-845-3392) 1.5+ Gigs of Adult software. Free BBS, no charges at all. 2400/14400 bps. PD/Shareware also immediate d/ling on first call. Online adult games.

**PINECLIFFE BBS**, (303)642-7463, Pinecliffe, Colorado since 01/82. Sysop: Craig Baker. Using UltraBBS 2.09 Beta with 14 lines on MS-DOS 80386 with 9500 MB storage. USRobotics at 14400 pbs. No fee. Largest BBS in RockyMtn area. FREE (\$20/yr gets 2hrs/day. \$100/Lifetime membership.) 60,000 zips. CD-Roms on-line. Games. Home of CDBREG - allows immediate upgrades with credit card. Sysop also a computer store. NightOwl Rom \$59. Help us grow.

**PRIME NETWORK**, the only real Christian Network on earth, PreRapture BBS 919-286-3606, Acts 2:38, John 3:5 download prime.zip for Network kit.

**SMALL BUSINESSNET BBS**: 1-404-339-1101 - America's favorite home and small business BBS! Database, Point-of-sale, Invoicing, Inventory, Communication, Spreadsheet, Financial Management, Customer Tracking, Utility, etc. software to support your growing business!

**SUBURBAN SOFTWARE**, PCBoard Ver 14.5/E3, Sysop: Chuck Valecek, 1-708-636-6694, RelayNet, MetroNet, Home of: King of the Board, Strike 93, Word Nerd, Ansi-View, Text-Read, plus many sysop utilities.

**TRI-STATE**, Northeast's Largest Growing System, 7 lines, 1-201-935-8634, Up to 19,200, Mail, BBS Links, Live Conferences and more.

**VIRGINIA CONNECTION BBS**, 703-648-1841 — PCBoard, v.32bis on 20 lines, supports all computers, 55,000+ files, 300+ RIME mail conferences, over 1 Gigabyte of adult files, 50+ doors, FREE access with online subscriptions available. Voice support is provided. Support BBS for Capital Area Sysops Association.

### MISC. CLASSIFIEDS

College Degree without Classes/Study: I succeeded at major school, you can get credits too! Comprehensive guide \$5. Grants, bonus included. William Kemble, Dept. BBS-50, POB 4352, Kingston, NY 12401.

### BOARDS/ADD-ON CARDS

16 bit 16550 I/O Cards, 4-COM, RS-232 Serial card. 16bit/FIFO, 4-ports, 8-ad-

## CLASSIFIED ORDER FORM

Classified Dept., Callers Digest, Inc., 701 Stokes Rd, Medford, NJ 08055

The rate is \$25 per ad up to 300 characters long. Save money and send \$250 for a full year of advertising. The BBS name or first two words are set in bold capitals. All other type is plain. If you wish to have a heading category not listed, simply write in this new category and we will create it for your ad.

PLEASE TYPE OR PRINT.

Run this ad under the heading of \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(For additional words, use separate sheet of paper)

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Run class ad for \_\_\_\_\_ issues. Payment of \$ \_\_\_\_\_ enclosed.

If paying by credit card, you may FAX this form to (609) 953-7961.

M/C VISA (circle one) # \_\_\_\_\_ exp. date \_\_\_\_\_

Signature \_\_\_\_\_

## ADVERTISERS INDEX

AMERICA'S SUGGESTION BOX .....	57	HACKERS WORLD BBS.....	30
BBS CALLERS DIGEST ONLINE! .....	19	J & W COMPUTERS .....	34
BBSDG PROFITS .....	17	MARKETPLACE.....	46
BBS MARKETING.....	9	MUSTANG SOFTWARE, INC.....	2
BBS PRESS SERVICE.....	49	NITE LOG BBS .....	31
BBS TECHNOLOGIES .....	20	ODYSSEY.....	35
BELL BUSINESS REPORT .....	29	PCB-UUCP .....	54
BLACK CAT INFORMATION SERVICE.....	23	PC INFO .....	40
CHANNEL 1 .....	45	PERELINE COMMUNICATIONS, INC. ....	5
CLARK DEV. CO., INC. ....OUTSIDE REAR COV.		PICS ONLINE .....	60
C.R.I.S. ....	14	PROFIT PRESS .....	55
DATABANK.....	33	RAM SOFT .....	INSIDE REAR COV.
DATAPAGE INC.....	21	RUSTY-N-EDIE'S BBS.....	13, 56
DESIGN SYSTEMS .....	11	SEARCHLIGHT .....	39
DIGITAL DYNAMICS .....	10	SWIMWEAR .....	47
DURAND COMMUNICATIONS.....	25	TESSIER .....	36
EDUCATOR'S BBS .....	38	TRIMARK ENGINEERING .....	37
ESOFT, INC.....	53	TSD SYSTEMS.....	8
EXECNET.....	4	UNCLE HANK'S NEWSLETTER .....	41
GALACTICOMM, INC.....INSIDE FRONT COV.		900-ACCESS.....	27
CARLIQUE GRAPHICS .....	15		

dresses, 8-IRQs, Independently selectable, \$119.00 delivered UPS in USA or Canada, send check or money order to: PreRapture Solutions, 1806 Albany, Durham, NC 27705.

16550 Uart chips and double socketed AT I/O boards. Reasonable prices, online orders accepted by calling (301) 654-2554.

If your favorite computer retailer, newstand, book store, etc. doesn't carry BBS Callers Digest then have them call us at: 609-953-9110 for more details on how they can have BBS Callers Digest in their store.

multi-user bulletin board system that supports up to 256 simultaneous users on a single machine.

Brinker has been with the company as Vice President since Dec. 1990, when his own company, Galactic Innovations, Inc., merged with Galacticomm. During the past two years, Brinker has at various times led the marketing, engineering, and sales departments of the company. More recently, he has served as general manager, coordinating the efforts of the entire business.

"I intend to lead the company with an aggressive development plan and a focus on the success of our customers," says Brinker. "Immediate attention will be paid to expanding our customer service, international business, and third-party developer relations. I'm very proud of the team I'm working with and thrilled about the opportunities before us."

Tim Stryker, founder of Galacticomm, has resigned as President and CEO, although he

does remain as Chairman of the Board. Says Stryker, "Scott has been leading the strategic vision of Galacticomm for quite a while now. I have total confidence in his success as CEO and for the continued growth of the company. This is the beginning of a fantastic new era."

For more information on The Major BBS product, please contact Galacticomm, Inc. at: 305-583-5990 Fax 305-583-7846 or write to: Galacticomm Inc., 4101 SW 47th Avenue, Ste 101, Fort Lauderdale FL 33314.

### SEARCHLIGHT 3.0 TO SUPPORT RIP GRAPHICS

Stony Brook, NY — Searchlight Software announces that Searchlight BBS software will support the RIP graphics protocol beginning with ver. 3.0.

RIP, an acronym for Remote Imaging Protocol, is a non-proprietary online graphics standard developed by TeleGrafix Communications Inc. of Huntington Beach, CA that allows bulletin boards to incor-

porate high resolution graphics, mouse buttons and mouse support, and other GUI style features online, even at slow baud rates.

According to Searchlight president Frank LaRosa, "After researching graphics protocols for many months, and looking at options such as NAPLPS, we chose to support RIP because RIP is a protocol that is specifically designed by and for BBS users. RIP is an evolving standard that includes the features we need to build exciting, graphical interfaces into our BBS product, and goes well beyond just displaying pictures over a modem. In addition, RIP is a non-proprietary protocol which has won support from a number of software industry leaders, and we feel that it will become the de-facto standard graphics platform for bulletin boards within a very short time."

For more information, please contact Frank LaRosa at: 516-751-2966 or write to: Searchlight Software, PO Box 640, Stony Brook, NY 11790.

## Pics OnLine!

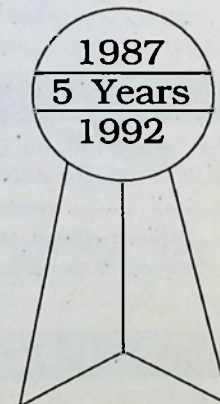
MultiUser System

609-753-2540

Looking for a HOT Adult BBS? Pics OnLine! offers some of the best BBS'ing in the country. We have something for everyone, including over 50,000 files in specialized collections including Adult Graphics and Novels, Network Tools, Ham Radio and SWL, and MIDI/MOD/SB Music Files.

*...Pics is one of the best BBS's I have ever seen. No matter what I am looking for I know I can find it here.*  
J. Oswell - Charlotte NC

- ✓ All the best Files for PC Compatables
- ✓ 400 Fidonet, Usenet, and ThrobNet Worldwide conferences
- ✓ Internet and Fidonet E-Mail plus Outgoing FAX Server
- ✓ Many Modem Types HST V32 V32bis PEP V42 V42bis



# PIXURE ROM™ PRODUCTS

## VOLUME I

"General Appeal & Nudes"  
 510+ Megs of GIFs  
 People / Scenery  
 Animals / Machinery  
 1/2 Classic Nudes  
 3100+ Images  
 Primarily 640x480x256

\$59\*

## VOLUME II

"Perversia Galore"  
 600+ Megs of GIFs  
 40+ Megs of PC Animation  
 COMPLETELY Adult  
 3300+ Images  
 175+ 800x600x256  
 50+1024x768x256

\$59\*

## VOLUME III

"Hedonistic Tendencies"  
 600+ Megs of GIFs  
 25+ Megs of True Color  
 COMPLETELY Adult  
 2000+ Images  
 450+ 1024x768x256  
 Avg. Image Size 300K+

\$59\*

"Triple Exposure": 3 Disc Set (Volumes I, II, & III)

\$109\*

- ⊙ Primarily 640x480x256
- ⊙ No Filename Duplication  
Between Volumes
- ⊙ PCBoard BBS  
Support
- ⊙ Catalog on Disc
- ⊙ Printed Users  
Manual



The nature of some of the images require that the purchaser certify that he/she is at least 18 years of age.

PC & MAC compatible. Not GIF images may not be MAC compatible.

Requires a CD Player, an appropriate video system, and a viewer or paint program that supports the GIF image format.

\*Suggested prices referenced are in U.S. Dollars. Payment methods, shipping policies, and actual prices are set by each dealer. Prices do not include any applicable sales tax.

## PIXURE ROM™ DEALERS

### RAMSOFT

1501 East Chapman Avenue #338  
 Fullerton, California 92631  
 (714) 738-5665 [Voice]  
 (714) 738-0841 [BBS]  
 Check/M.O./COD  
 Free U.S. Shipping

### GOOSEBUMP

Goosebump Graphics  
 Box 5167  
 Mentor, Ohio 44061  
 (216) 254-2609 [Voice/Fax]  
 Check/M.O./COD  
 MasterCard/Visa/Amex

### KANDY SHACK

12531 Strathmore Drive  
 Garden Grove, California 92640  
 (800) 638-1170 [Voice]  
 (714) 638-7308 [Voice]  
 (714) 636-2667 [BBS]  
 M.O./COD/Visa/MasterCard



# The Intelligent Advantage

Only one BBS allows you to intelligently determine your multi-port needs.

**PCBoard/M**, the Intelligent Advantage in bulletin board software, now supports many intelligent and non-intelligent serial ports from manufacturers such as DigiBoard, ARNET, Intel, AST and others. As manufacturers introduce new cards a simple driver replacement is all that will be needed to support the new hardware.

PCBoard/M allows you to run multiple ports on a 386 or 486. Intelligent boards such as the ARNET *SmartPort Plus*™ provide 4, 8 or even 16 nodes on a 386 or 486 based computer. PCBoard/M allows you to mix and match any combination of intelligent and non-intelligent cards in the same system -- even cards from different vendors.

Best of all, you retain network compatibility and the full versatility that PCBoard has to offer. Hundreds of third-party programs already support PCBoard with many of them offering PCBoard/M compatibility today and many more to come.

The Multiport upgrade for PCBoard is available for all versions of the software supporting 10 nodes or more for only USD \$100. New purchasers and customers upgrading from the /2 (two node) package pay the same low \$100 for PCBoard/M in addition to the new package or version-upgrade price.

For more details about PCBoard and the Multiport version, or to purchase ARNET Intelligent MultiPort hardware, call us today!

 **PCBoard**  
Professional Bulletin Board Software

Clark Development Company, Inc.

P.O. Box 571365, Murray UT 84157  
For Information - (801) 261-1686  
For New Orders - 800-356-1686

Authorized Reseller  
 **ARNET**  
Multiuser Connectivity Solutions