

---

# GBBS Pro

Vol. 1

No. 11

© Chameleon Publishing

February/March 1988

---

## Return of EXfer

### Mike Gola sells his file transfer segment to G-Tech

By Stephanie A. McGrath  
Pro News Editor

---

EXfer is back.

You read that right.

Mike Golaszewski's EXfer file transfer system is back online at the L&L Productions support BBS, because when Mike gave up the system to pursue college last month, he sold the rights to George Willett's G-Tech, which cut a deal with L&L's Lance Taylor-Warren.

"Well, it's now official," Mike posted Jan. 30 on Cottontail Ranch. "G-Tech and George Willett of Wheat Ridge, Colo., have purchased the rights to 'EXfer: The Extended Transfer Module.'"

Mike said he will try to keep calling GBBS-related bulletin boards to keep in touch and assist with general ACOS questions, but he will no longer be supporting EXfer.

About a week before the sale, Mike released the latest version, v4.1, to registered EXfer owners, and it includes some nifty new utilities to fix some of the files that got trashed in previous versions of the code.

Cottontail Ranch, (602) 433-0159, which plans to retain its EXfer support sub-board, has all of the EXfer files available as a BQY file.

However, it's not certain whether Cottontail, which has been EXfer's support board for several months, will continue to be the official support board, because George has said he is seeking a new home for it.

George can be reached at his BBS, LES-COM-Net, (303) 233-5824.

Mike was sad to be leaving his product, but he was glad it will finally be accepted by L&L as a file transfer section.

"To be honest, the EXfer/GBBS deal was always a people problem," Mike posted on Cottontail Ranch shortly after the sale was finalized and EXfer mysteriously reappeared on L&L.

"I purchased AFTS way back in October 1986. When I got it, I was pretty disappointed. So I set out to write the

---

See EXfer, page 8

---

## Articles sought for new ACOS manual

By Stephanie A. McGrath  
Pro News Editor

---

Chet Day, better known to many as Shem the Penman, is putting together an Advanced ACOS Manual for GBBS sysops.

As of Feb. 6, various sysops and programmers had sent Day more than 200K of helpful and interesting material that will be of use to any GBBS 'Pro' sysop.

"If I can get contributions for the remaining ACOS commands listed below, I hope to have the first edition of the manual ready for distribution by the end of February," Day posted on several major GBBS support boards this month.

Day's most recent request list sought explanations of the following commands:

Addint	Msg	Rewind
Copy	Pop	Setint
Key	Push	Update

Day requests that articles or tutorials on these commands be as detailed as possible, including carefully commented examples of code using these commands and clever ways to use them to improve GBBS systems or develop even more sophisticated segments.

"If you feel an article/tutorial would make the most sense by combining commands, feel free to do it that way," Day said.

To contribute to the first edition of The Advanced ACOS Manual, write an article/tutorial on one of the above commands and upload it to the ACOS Programmer's Library transfer volume at Cottontail Ranch, (602) 433-0159.

Contributors so far include Paul Vick and Al Anderson.

Contact Day in e-mail at the Ranch about other ideas for specialized articles.

"The manual will be freely distributed throughout the GBBS 'Pro' community," Day said. "Please help me make this manual a reality and contribute what you have learned about ACOS so that others can benefit from your knowledge."

# Highlights:

L&L: (303) 420-3568

The big news at L&L was the quiet return of EXfer. See page 1 for as many details as were available at press time.

**Mods:** Keith Boroczky says he's further modifying his conquest game, but he plans to have something completed by April. His project, he says, is an Apple version of "Empire," a famous medieval battle simulation for the Commodore. He's been receiving assistance from Paul Vick and David Reed.

**Hardware:** Leonard Fagan is having some trouble with his First Class Peripherals hard drive. Keith Christian (who, by the way, has moved to Houston and can now be reached at speeds up to 2400 at his BBS at (713) 782-2704) says anyone with Sider problems can call First Class at (800) 538-1307. That's not the technical support number, but the folks at that toll-free number should be able to direct you to tech support.

**GOSUBs:** In response to some messages about people's GOSUB stacks getting full, Keith says that if you watch your code closely and perform all your GOSUBs correctly, you should never have to use the CLEAR GOSUB command, which apparently doesn't work anyway.

"I never have had to use it with the ACOS programs

that I have written. You must keep track of all the PUSHes, POPs (which should be pretty rare, themselves), and RETURNS," he said.

"If the logic of the new mod you're adding is followed manually once or twice, there shouldn't be any problems. CLEAR GOSUB seems pretty desperate to me...but that's me."

**Networking:** Parik Rao is working on a NETWORK segment, which he said was mostly written as of Feb. 8.

"What is networking? It is basically sending messages between systems. For example, Test BBS in Canada has a room called Apple IIgs. Well, so does Apple BBS in San Diego. So the users on both systems continue to post messages on the Apple IIgs board. Every three nights (or whatever you want), messages are sent between the systems!"

"That way, new topics are continued, and the message base gets a spark."

"I am planning a FIDO-type system that will have one BBS receiving all messages and sending them out."

Rao is currently testing his source code between two lines and hoped to have something available through shareware by press time. He did not plan to release anything until after he registered a copyright.

He plans to release a "shell" so ACOS programmers can use it as they see fit. He has been running into some problems, though. For example, he can't get ACOS to check the time to dial out. In other words, if a user was logged on during the time when GBBS was supposed to call another board to leave its networking materials, then GBBS wouldn't call. He is looking at ACOS.TIME for possible solutions to the problem.

The calling routines use Andy Nicholas' newest "use" file, CALLOUT, rather than DIAL.X, which had some problems with buffering. CALLOUT uses a command something like:

```
use "a:callout",2,"ATDT17138759868",rt$,1,wf$
```

According to Andy, "Basically it allows you to set baud rate and call out with that baud rate. RT\$ will return the response from the modem. Optionally, wf\$ will WaitFor a certain string, and hopefully do something spectacular if it gets it."

If you can help or just want more information, you can reach Rao on L&L, P+ or Cottontail Ranch or Andy on L&L.

**Multi-porting:** Rao has also written a successful multi-user chat routine, but he does not want to release it because it requires hardware modifications.

Jon Davidson says he has a good multi-porting system, including a chatline and documentation on installing it. Call him at his BBS, The Tower, at (612) 553-0908, which he says is accessible via PC Pursuit. He is also working on the possibility of multiporting with multiple modems on ONE Apple. See also the columns on page 7 for more opinions about multiporting.

**Questions:** Steve Schneider wonders, since ProDOS supports eight open files at a whack, is there any chance of seeing ACOS patched to allow more than three chan-

## I KNOW you have something to say!

So say it here, where other GBBS 'Pro' sysops can read about it!

Articles, columns, ads & mods are hereby solicited from all GBBS sysops, regardless of age, rank and serial number.

**Chameleon Publishing**  
***Home of the Lizzard***

P.O. Box 671521

Houston, TX 77267-1521

(713) 875-9868 (data, 3/1200)

(713) 875-9866 (voice)

# First Word

**System Master.** Welcome to the world of power on-line editing. System Master provides toolkits for every phase of board maintenance, remote sysop operation and online programming. First Word Editor: Optional online compiling; edit *any* text file. System Status Screen: Your users will see three attractive screens, reflecting the sophistication of today's GBBS Pro bulletin boards. Data Master: A complete suite of utilities for manipulating *any* type of Pro text files and data structures, including message base files; duplicate, create, find, merge, BIN Batch, salvage trashed message bases. XMenu: Finally, a "central" system operator menu to create a control panel for your widely scattered board features. Plus FastLink and other goodies. Quote Master included. 19-page manual. System Master is only \$44.95.

**Quote Master.** The innovator in user borderline messages. Compressed, message base-type quote storage; quotes up to 4K; starter quote file; multiple quote files online, all at the same time; fast operation; attractive, user-accessible editing menu; trade quote files on Europa BBS; generous manual. Only \$14.95.

**Commander in Chief.** The one name that leads the pack in game/simulation software for GBBS Pro. Three disks packed full of challenge. CINC puts you in the office of the world's most powerful executive. Gives you access to hundreds of briefings and news stories. Real-time crises. Sponsor covert operations; military activity; address Congress; campaign. Splash an Iranian gunboat. Extensive player menu, player handbook, four worksheets, online help. \$50.

**First Word Mall.** Professional electronic merchandising at your fingertips. Lease areas to outside merchants, create your own storefront; brokerage; classifieds; full credit card support. The Mall is a proven winner. \$29.95.

**Autokit.** Life is too short to wrestle with marginal users. AutoKit lets you draw the line on when users must contribute, and when they can play. Gather features into one menu. AutoKit: The answer. \$24.95.

**Match!** This powerful database features full 7-way cross-referencing. Find a date, find a job, find a friend. With Match!, you'll find there's always something to do. \$34.95

One CommSoft disk free with any of the above.

**CommSoft Library 1.** This one's for you. A set of five disks packed full of public domain programs for your GBBS Pro BBS, sysops on three continents say this is the best value going. Disk Nos. 1101-1501. \$29.95.

**CommSoft Library 2.** We heard you when you asked for more. Five more great public domain disks. They range from features to games to programming examples, tricks and utilities. Expanded manual with programming tips. Disk Nos. 1601-2001. \$34.95.

**Great Hardware, Terrific Prices.** CMS-brand SCSI 20MB w/card, \$659; fast 43MB, \$835; fast 60MB w/card, \$1,100. Used 5MB Profile, \$375 (GS or //e). Complete line of laser printers, USRobotics modems, IIGS and IIE products.

## First Word

Order now. Orders accepted via phone, MCI Mail, U.S. Mail and Europa BBS. No validation call needed on Europa: Just type M for the First Word Mall from the main menu. Or leave Feedback.

First Word delivers next-day shipping, courteous service, generous support.

Texas residents add 6 percent tax; Harris County add 7 percent tax; Houston add 8 percent tax. \$5 C.O.D. fee. \$1.90 First Class shipping. Two weeks for personal checks. Check for hardware shipping costs.

Specify Disk No. from CommSoft Library 1 or 2 as free gift. CommSoft disk contents listed on Europa's First Word Mall.

First Word  
4110 Roseland Ave.  
Houston, Texas 77006  
(713) 526-9711  
(713) 526-0714 — Europa BBS, 1200/2400 bps  
MCI Mail: paul hutmacher

(Profile, Apple IIGS and Apple IIE are trademarks of Apple Computer, Inc. GBBS Pro and ACOS are trademarks of L&L Productions.)

The Best.  
The Best Price.

# Highlights:

Continued from page 2

nels (#1, #2, and READY)? Andy Nicholas likes the idea, and he says he is also thinking about rewriting the XDOS file, which blindly CLOSEs everything, rather than closing only the channels it opened.

## Peripherals Plus: (214) 424-2001

**Mods:** Tommy Johnson announces that he's considering writing Swords & Sorcery III. He'd like to expand what he's already written, but he's just about out of ideas. "Please, if you've enjoyed S&S or S&S II, ask your users and ask yourself: What could make it better?" he says. Leave him E-mail....

"Appolusionist" is working on some "screen tricks" in ACOS. I'm not sure what he means, but if you're interested in anything that could be described in that term, then by all means get in touch with him.

He also wants to know if anyone has any ideas for a multi-port/player game you'd like to see for GBBS....

**Help Wanted:** Ken Jones is having trouble with his Videx 80-column card. He says that when he turns on the BBS, his screen turns inverse, and the sysop window is normal. Anybody have any ideas?

Next, an old problem: Mike Delaney wants to know if there's a way to take the modem OffHook when he logs

on locally? Can we send a command to the modem? I'll bet Andy Nicholas' CALLOUT file will serve that purpose... See under L&L for a vague explanation of how to "use" the file.

## Cottontail Ranch: (602) 433-0159

See the front-page news about EXfer, but be assured that sysop Steve Playford is keeping his EXfer sub-board available for discussion of that product.

Many sysops requested it, since L&L can be so difficult to access, particularly with PC Pursuit summarily REJECTING people as it sometimes does.

In other news on the board, there has been much discussion of emulation, particularly emulation of ANSI graphics and other terminal programs. I'm not very well-versed in such topics, so maybe we could get someone to write an article for Pro News about emulation? Like, maybe Frank English, who brags that he's had ANSI (color) graphics on his system for "awhile"?

If you had sent me more information and news this month, this space would not be blank!

## M&R Computing the Other Side



Welcome to 1988 and here's looking at any holiday that gives us time off from the real world, so we can catch up on our own private worlds.

### CMS Hard Drives

SD 20meg - 65ms	\$ 600
SC 40meg - 29ms	955
SD 43meg - 40ms	845
SD 60meg - 40ms	910

### Datatronics Modems

(Hayes compatible)  
1200 bps External \$115  
(company to upgrade to 2400 later)  
2400 bps External \$210

### Applied Engineering:

	<u>256K</u>	<u>512K</u>		
GS Ram	165	210	Ramkeeper	155
Ramworks III	165	210	TransWarp	189
			//c Clock	65
Datalink 3/1200 modem		180	Timemaster II	80

We also have many other items available for you upon request. Our full catalog will be available soon. Call one of our boards and get on our mailing list.

Here's Wishing You and Your BBS much Happiness and Success in 1988!

Where to find us →

# M&R Computing presents the STAT.SYSTEM

<p>With the Stat.system segment, you can maintain your users':</p> <ul style="list-style-type: none"> <li>Real name</li> <li>Address</li> <li>City State Zip</li> <li>Computer Type</li> <li>Birthdate</li> <li>Occupation</li> </ul>	<p>With stat.system installed, you can:</p> <ul style="list-style-type: none"> <li>Print mailing labels of users</li> <li>Purge old users from the system</li> <li>List or Search both user files by computer, birthday, occupation &amp; More</li> <li>Build an Appleworks-readable database file with information from both the users file and the user.stats files.</li> </ul>												
<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Magic Bag</td> <td style="width: 33%;">201-988-9489</td> <td style="width: 33%;">PcP</td> </tr> <tr> <td>Caddy Shack</td> <td>201-920-2353</td> <td>PcP</td> </tr> <tr> <td></td> <td>3/12/24 bps</td> <td></td> </tr> <tr> <td colspan="3">Full support online and off.</td> </tr> </table>	Magic Bag	201-988-9489	PcP	Caddy Shack	201-920-2353	PcP		3/12/24 bps		Full support online and off.			<p>Appleworks (c) Apple Computer          GBBS v1.3 (c) L&amp;L Productions          Stat.System (c) M&amp;R Computing</p>
Magic Bag	201-988-9489	PcP											
Caddy Shack	201-920-2353	PcP											
	3/12/24 bps												
Full support online and off.													

Stat.system is designed to help YOU the sysop. It takes over many functions of the GBBS v1.3 system segment as well as adding a few extras to make it even more powerful.

The request file has been redesigned to incorporate both the "User.stats" file and the GBBS user file to show a more complete profile of the user requesting access to your fine system.

Purge Old Users from your system by a given date right from the Stat.System instead of rebooting the GBBS configure disk. Protect certain users who have one (or two) sysop-defineable flags.

Print mailing labels of all or certain users. (i.e.: Apple computer owners, or the doctors or a text search). Or print labels of those users with flag(x) access.

Included is a full user listing segment which allows the sysop and users to view other users in various ways. List users whose birthdays are this month, or all users by birthday (year is excluded to protect the user). List by computer type, or occupation. The Sysop has a more detailed choice of options, of course.

The information is also available to the sysop while the user is online (if desired) via a window at the bottom of the screen similar to GBBS's window at the top of the world. All data from the User.Stats file is shown.

Installation is easy. Adding of code is minimal and easily accomplished with our instructions. If you use Appleworks, it's even easier.

Stat.System is fully tested and has been running smoothly on a few active boards (Magic Bag and Caddy Shack) for six months and other boards more recently with great satisfaction.

**The price for this is only \$19.95**

Check it out in person at either of the boards listed below. Wednesday is reserved for GBBS sysops ONLY at The Bag.

<b>The Magic Bag --</b>	(201) 988-9489
	Sales & Support
219-Magic	3/12/24 24 hrs
Guest password	25 megs on-line

<b>The Caddy Shack --</b>	(201) 920-2353
	Sales & Support
	3/12/24 24 hrs
	60 megs online

Enclose \$2 for shipping and handling.  
 New Jersey residents add 6% sales tax.

Send check or money order to:

**M&R Computing  
 700 Berkeley Lane  
 Neptune, NJ 07753**

# Mods!

## Save Message.seg Status on Logoff

by Steve Schneider and Stephanie A. McGrath

I took a couple of liberties with Steve Schneider's by-now ancient "Save Message In Progress if Carrier is Lost" mod, and added one that will also save your place in a global quickscan. For instance, if a user gets timed off the board on sub-board #10 or 15, the next time he/she logs on and jumps into a quickscan, it will ask him/her whether to pick up where he/she left off.

My part of the mod sets nibble(8) to the board number at traumatic logoff, and byte(10) and byte(11) split the PREVIOUS call's new message number. That is, they take the user's logon 'lr', while bytes 5 and 6 take the real last message read. When they log on and global again, it will show them only the new messages on boards 1 to 10, and the new messages since their PREVIOUS call for boards 11 through 15.

Steve's part of the code saves a message that the user was writing at the time of a traumatic logoff, and when he/she next logs on, it asks whether the user wants to pick up where he/she left off.

My version of Steve's code sets flag(27) if there's a semi-message waiting for a user when he/she gets knocked off. Be sure to check your flags, bytes and nibbles against other self-written segments or file transfer segments to be sure there's not any duplication!

Also feel free to change any or all drive specifications; these are set to the ones I have been using on Chameleon BBS.

## IN YOUR LOGON.SEG

login

```
....  
lr=byte(5)+byte(6)*256;if lr>mn then lr=0  
; ADD THE FOLLOWING LINE  
ll=byte(10)+byte(11)*256;if ll>mn then ll=0
```

## IN YOUR MAIN.SEG

```
; AFTER THE PUBLIC STATEMENTS ADD THE LINE:  
if flag(27) gosub send.save:flag(27)=0
```

termin2

```
; ADD THIS LINE IMMEDIATELY AFTER THE LABEL  
nibble(8)=0:byte(8)=0:byte(10)=0:byte(11)=0
```

```
; ADD THIS WHOLE LABEL
```

```
send.save  
print \"Hold on a sec....\"\  
f$=\"b:msg.save.\"+str$(un):aa=0:clear #8  
open #2,f$:if mark(2)<>0 return  
input #2,sb$\tn,ti$\xx,x$\bf$\ki,kj  
copy #2,#8:close #2:kill f$:if sb$="" return  
bb=nibble(8)
```

```
print \"You were in the mid-message when you lost carrier last call.\"
```

```
print \"You were writing \"sb$  
print \"to \"ti$\" on sub=board #\"bb\".\"  
input \"Would you like to pick up where you left off? \"i$  
if i$=\"N\" print \"Ok.... Suit yourself.\"\  
gosub new.id:if bf$="" print \"Sorry... unable to recover.\"\  
return  
edit(1)  
if edit(2)=0 print \"Message aborted.\"\  
print \"Posting it....\";bp=bp+1:byte(7)=1  
if (kl>0) and (kl<=msg(0)) kill #msg(kb):crunch  
a=msg(0)+1  
print #msg(a),sb$  
print #6,tn,ti$  
print #6,xx,x$  
print #6,\"On \"date$\" at \"time$\ki,kj  
copy #8,#6:msg(a)=mn:mn=mn+1:update:tm=tm+1:clear  
#8  
print \"...saved\"  
return
```

```
; AND ADD THIS WHOLE LABEL
```

```
new.id  
open #1,\"b:data2\"  
mark(1)=1120:input #1,ab  
if (bb>ab or bb<1) close #1:bf$=""  
position #1,128,bb+8  
input #1,bn$\bf$\b3,b4\bs,bs$\mb,kl,kb  
b2=1:if b4 then b2=flag(b4)  
close #1:if bf$="" return  
if b2 then ready bf$:else bf$=""  
return
```

## IN YOUR MSG.SEG

link.term

```
print \"\"Saving quickscan....\"\  
nibble(8)=bb  
byte(10)=byte(5):byte(11)=byte(6)  
link \"a:main.seg\", \"term1\"
```

post2c

```
....  
; ADD THE \"HB\"= REFERENCES  
if i$=\"X\" gosub up.xmdm:else hb=1:gosub editor  
if not edit(2) return  
print \"edit(2)\" bytes entered\":hb=0
```

qscan

```
ob=bb:bb=1  
; ADD THE FOLLOWING LINE  
if nibble(8) input \"Pick up where you left off last call?\"  
i$:if i$=\"N\" nibble(8)=0:byte(10)=0:byte(11)=0  
print \"Scanning for new messages....\"
```

## Steve Ragsdale

# Multiporting: I did it my way

I have been running my own version of a multi-port GBBS 1.3. I started by trying to get enough money together to purchase GMS from Paul Hutmacher, who was running Europa on two lines at the time.

I decided that if he did it, I should be able to do it also because we were running the same type of hard drives - Corvus.

I first put my version online in June 1987, and I have improved on it since. I am running four ports: two public, one private and one local. My system is running from two Apple II+es and two Apple IIs. I am running three CTS Datacomm 2400 modems and one Kyocera 1200 modem.

The multiport routines have not crashed since July, when I had a major disk crash because of not protecting one of the mail write routines in the msg.seg.

For those of you that are thinking about writing your own multiporting routines, be prepared to sit at the keyboard for about 500 hours, counting installing it properly.

Once you have it running, it is the greatest, because you can have as many users online as you have computers and telephone lines, and you can be editing the board at the same time.

I never have to take the board down to even compile a segment!

Even if someone tries to go into the segment before it is compiled, it will not let them do so.

My version should work on any hard drive system that allows multiple computer hookups, and it is completely ACOS-dependent.

...

*Steve Ragsdale is sysop of The Rooftop Hide-Away, (713) 452-0346, in Houston, Texas.*

## Glenn Blanco

# Who really needs multiporting?

**To: Multi-liners**

**Subject: Let's be honest**

I am not against the concept of multi-line, but come on. Is this a new ploy?

If you run an incredibly good board, receiving 30 to 40 calls per day, there may be a real reason for going multi-port.

If your BBS deals in a service or a life-or-death matter, then yes, you might need more than one port.

But if you have a board where people are willing to wait, then what's the big deal?

No one talks about the costs! The software is cheap, but you are also talking about taking your system and just about doubling the cost so some impatient user who calls during peak usage time doesn't have to wait to get online.

Come on!

A hobby is one thing, but multiporting? It is not for everyone, and I hope that all of you hotshots out there aren't saying that if you can't multiport you can't telecommunicate!

Good luck with the multiporting projects, but also set guidelines.

Multiporting is not for everyone, and life is not going to pass us by if we don't have it!

Remember, two lines can be as dumb as one....

...

*Glenn Blanco is sysop of APSNET, (303) 698-6737, the BBS system of the Aurora, Colo., public schools.*

GBBS 'Pro' News is published monthly by Chameleon Publishing, 79 Talmage Ave., Bound Brook, N.J. 08805. Editor: Stephanie A. McGrath: L&L user #5, Apple Pack user #77, P+ user #186.

Reach us at our mailing address, on most of the major GBBS support boards, at many of the better New Jersey BBSes or at the former Chameleon BBS, (713) 875-9868, 300/1200 baud.

**Subscriptions: \$12 per year, 12 issues.**

**Advertising rates:**

Full page:	\$25
Half page:	\$12.50
Quarter page:	\$6.25

GBBS 'Pro' is a registered trademark of L&L Productions, Arvada, Colo. Apple and ProDOS are trademarks of Apple Computer Inc., Cupertino, Calif.

# Chameleon Publishing is moving to New Jersey!

Chameleon Publishing is moving to Bound Brook, N.J., as of March 10, because Stephanie McGrath got a new job up there in the frozen north.

The new address for hardcopy submissions is 79 Talmage Ave., Bound Brook, N.J. 08805.

I am not planning to open a BBS immediately upon arriving up there, because I want to see what is already available and maybe even get my hard drive fixed before I go back into the BBS business. But I will still be publishing the newsletter, and I'll stay in touch with GBBS!

I should also be reachable through e-mail or posting on the usual GBBS boards, and the old Chameleon BBS will still be a BBS under new ownership -- running GBBS, even!

Unfortunately, because of the move, I don't see any way to publish a March issue of Pro News. Hence this one is called February/March, and the next will be called March/April. I will extend everyone's subscription accordingly.

Thanks for your patience and understanding, and one of these days I hope to get one a real deadline schedule!

## EXfer back online at L&L

Continued from page 1

BEST transfer system for GBBS 'Pro.' The result was EXfer," he wrote.

"As I look back, I think it was, and still is, the best. Apparently, so do many of you."

EXfer joins SuperTac v5.0, ("the last version of SuperTac," according to its author, Andy Nicholas), on L&L, where the two file transfer systems are both accessible from the main menu.

There is no word from Lance yet whether he plans to remove SuperTac or start sending EXfer with new GBBS systems.

## Mods!

Continued from page 6

```
idinf
....
if (b1) ready bf$
; MAKE THE NEXT LINE READ:
if (not nibble(8)) or (bb<nibble(8)) then nn=nb:else nn=ll
pfilter
if not flag(37) poke(-11008),0:else poke(-11008),pf
return
```

```
editor
; ADD THE NEXT LINE IMMEDIATELY AFTER THE LABEL
if hb=1 then hb=0:on nocar goto save.msg
```

; ADD THE FOLLOWING LABEL

```
save.msg
flag(27)=1:f$="b:msg save."+str$(un)
create f$:open #2,f$:print #2,sb$:print #2,tn,ti$
print #2,un,a$:print #2,\ki,kj
copy #8,#2:close #2
goto link.term
```

## GBBS: A satirical troubleshooting guide

By Doug Granzow

**Problem:** Screen is blank, modem won't answer calls.

**Solution:** Make sure your computer and modem are turned on.

**Problem:** Computer isn't working. Modem answers calls, but users get no response.

**Solution:** Make sure you have GBBS running on your computer.

**Problem:** First person to call your system got "Welcome to Your Board Name" and was assigned user #1.

**Solution:** You are supposed to configure your system before running it.

**Problem:** New users are complaining they can't access anything.

**Solution:** Validate them.

**dancom**  
**GBBS Swiss-style**

Call the Contact BBS  
021-801-9632  
to 2400 baud