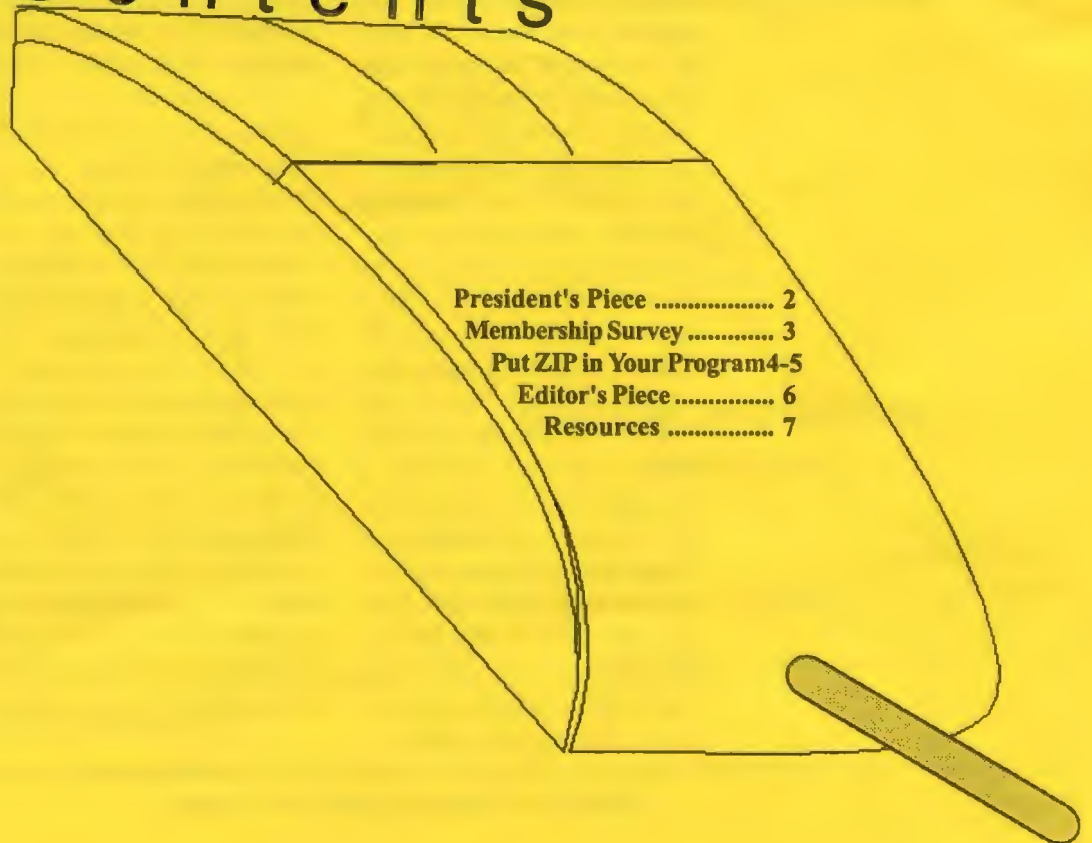


# PRINT SCREEN



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The lighted Highway billboard 101 shouted "Isn't Life Grand". I knew by the picture they wanted me to buy a Jeep.

Two hours later, it seemed to me in the "Life Grand" category was "projection systems that worked" when connected to a Word Perfect laptop computer. I had reached a new high of frustration with technology. The simple rebooting of a computer had completely shutdown any visual reproduction of the laptop video signal. Time to wing it with words and hand signals. Thus began the mental creation of the great tome know as the "General Meeting Disaster Recovery Program." In it stars the total jettison of the ElectroHome Projection System. The (not surprising) substitute is connecting the portable overhead system (a light bulb and a lens) with the vendors projection equipment (which works). "Isn't Life Grand" we actually start the meeting on time and have a complete vendor presentation. I'm beside myself with joy. People aren't expressing their opinion with their second finger. The Club covers it's annual expenses and grows to a new height of information exchange. Members applaud.

Fantasy??? No way! Check out the February General Meeting with a presentation by Adobe Systems. Their new program "Acrobat" is so highly regarded that CompuServe lets their members download a part of it for free until April 1 5th (Source: S . F Chronicle Jan 28, 1994, Section B, Page 3).

Let's look in the Mail Bag for letters and read some of the members questions. The first one asks "Why doesn't Cookie wear his beret to the General Meetings anymore?" The answer is that now we have more people at each meeting and it's warmer in the room. So he doesn't need it. Another one writes "When are we going to have a Borland presentation?" This depends on Jan who is still charting the SPAUG biorhythm to find a good date to invite them. The next letter wonders "At 9600 baud, why doesn't the BBS hang up the line when I confirm the Good-bye prompt?" I've worked on this problem with other SysOps and it seems to be a modem problem. Other WildCat boards with factory settings and different modems do not have this problem. Our last one asks "When will our PrintScreen editor be able to download review files and messages from our BBS?" Currently, there is not a modem at the high school where she teaches Desktop Publishing. SPAUG would have to furnish the modem, telecommunications software and training. A telephone outlet would have to be near the PC equipment. We are still researching the best solution for this problem.

Now for our SPAUG Special of the Month from Franklin Quest. "Ascend v.4.0 the Complete Personal Information and Contact Management System for Windows software is available to SPAUG members for only \$99. List price is \$199. Orders can be placed at (800) 877-1814. We also received five evaluation copies for distribution. A big THANKS to Barry Smith for cutting this deal and writing the review.

If you would like one of these or other evaluation (sample) copies mentioned in this space, then please call me to make your reservation. I'll put your name on it and bring it to the General Meeting. It's still not too late to get a copy of Electronic Arts "Scooter's Magic Castle" before my 7 year old niece reviews it.

For the fans of Qmodem Pro by Mustang Software, a colorful announcement from them shows the Windows version has been released. Some of the new features include FAX send and receive, .GIF viewer, mouse support online, 40 programmable macro keys, and .WAV file support. The phone number shown is (800) 236-6878.

Thought for the day...If a 250 MB hard drive costs \$250 and a 250 MB internal tape drive costs \$179 then which one would you prefer to use for a backup? See you on the 23rd.

*Brian*

## Easy Intuitive Software

(results of a SPAUG membership survey)

<p>Act (contact member)</p> <p>Chief Architect</p> <p>Electric Pencil</p> <p>Energizer Bunny Screen Saver</p> <p>Excel 5</p> <p>FoxPro</p> <p>IBM EasyWriter</p> <p>In The Black (acctg program)</p> <p>Lotus Organizer</p> <p>MS Publisherj</p> <p>On-Line Service demo of "INTERNET"</p> <p>Publish-It</p> <p>Quattro Pro for Windows</p>	<p>Quattro Pro</p> <p>Quicken</p> <p>Razzle (barcoder, envelope zipcoder)</p> <p>Star Trek Screen Saver</p> <p>Visio (drawing program)</p> <p>Winbatch</p> <p>WinDings</p> <p>WinFax Pro</p> <p>WinWord 6.0</p> <p>Word for Windows</p> <p>WordStar for Windows</p> <p>Xtree Gold 3.0</p> <p>Xtree</p>
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Starting rates for single occupancy/tax not included

Not valid with any other offer or promotion  
All rates subject to change

5/94



## Put ZIP in your Program

The advent of fast microprocessors and large programs has seen a lot of emphasis on file compression. Programs like Stacker dynamically compress files as they go on and off the disk. Newer modems compress data on the fly also. Static compression has around for over ten years starting with the CP/M squeeze program.

Both dynamic and static file compressors work on similar principles. Redundant characters, particularly white space as the margins around a text file are called, are reduced to algebraic equations. For instance, if there are 10 spaces in a row they might be represented by a "IOS". Its not that simple because there is an overhead associated with such functions. The reverse, de-compressor, must know that "IOS" means 10 spaces and not a compass bearing contained within the text. That's done by adding special codes.

Graphic files such as bit maps (BMPs) and PCX files are particularly easy to compress because fill areas tend to be very long strings of repeating characters. GIF files are an exception because the GIF format already contains a compression algorithm.

BBSs were quick to see the synergism of compressed files. Compressed files saved disk space and downloaded faster too. Early MSDOS programs duplicated the CP/M squeeze and crunch programs so compressed files could be transferred back and forth. Then more advanced compression algorithms started appearing. First ARC appeared followed by PAK, ZOO, LHA, ZIP, ARJ, and SQZ. The competing programs started adding features that SYSOPs fell in love with. Phil Katz's versions of ARC were early favorites until SEAWARE twice sued Phil over the use of ARC. The first court decision said Phil couldn't use the ARC compression algorithm. The second decision said Phil could claim his programs were "ARC compatible". In fact the court awarded damages to Phil on a counter suit.

Many in the BBS community viewed SEAWARE's suits as an effort to win in the court what they couldn't win through programming. Soon the BBS community galvanized around Phil's newly patented ZIP program. Today ZIP is still the most popular program by a wide margin although ARJ and LZH have strong regional support.

Today ZIP or in particular PKZIP is an essential part of BBS operation with ZIP support built into most BBS programs. Shell compression managers like SHEZ permit the PC user to totally manipulate the files within the archive as compressed files are known. It is not necessary to decompress a ZIP to view, edit, print or run it.

Here is a list of ZIP benefits:

1. Saves hard disk space. Eliminates the need to run programs like stackers.
2. Speeds modem transfer time.
3. Groups a number of files under one name. Permits multiple files with the same file name within the same sub-directory. 4. Damaged files are automatically detected.
5. Tampered files may be detected.
6. Directory structures may be included.
7. Large files can be automatically split between floppies
8. Virus testing may be performed within the ZIP.
9. Files may be password protected.
10. ZIP inserts may be included to identify the origin of the archive.

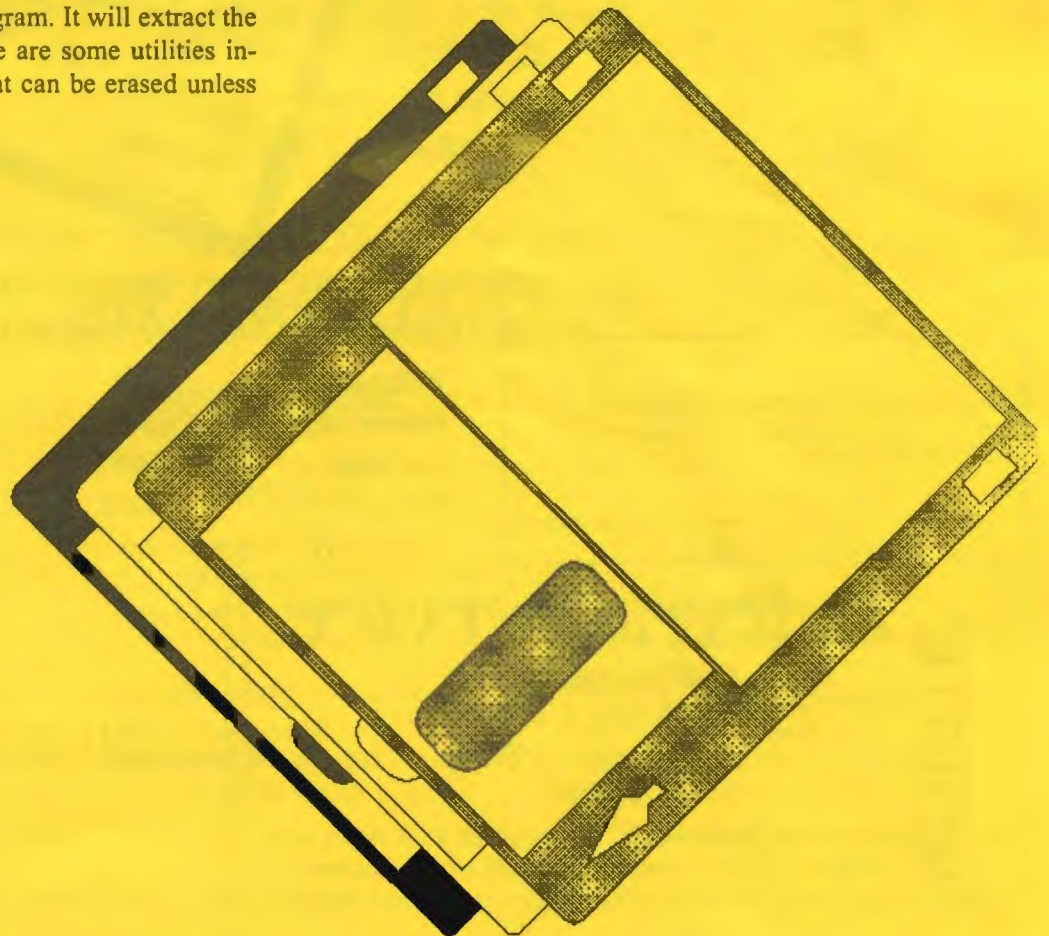
Most BBSs use automatic processing of ZIP files including virus checking. The ability to test for viruses within the ZIP is like handling a real virus with rubber gloves. The ZIP file structure does not actually find, remove, or kill viruses or Trojans itself, but it does provide a benign environment for testing by deactivating the virus or Trojan and thereby insulates the BBS from infection.

To unZIP a file from the BBS you will need the file PKZ204G.EXE. This is a self extracting form of ZIP that contains all the files necessary for both UNZIPping and ZIPping files. Place PKZ204G in your utility section of your hard disk. Be sure its in the path. Then run the program. It will extract the 16 files contained within the ZIP. There are some utilities included and some files like PKZIPJR that can be erased unless you are using a PC JR.

You can read the docs or simply type PKZIP or PKUNZIP. Running the program without an argument will always bring up the help screens. Typing "PKUNZIP -v ZIPNAME" will bring up a directory of the ZIP file itself so you don't need to extract a ZIP to find out what's inside.

— Fred Townsend

Page 14 SVCS Journal



# Editor's Piece

Thanks for inviting us to help out with the newsletter. Allow me to introduce myself and Students in Business. I am Paul Walker, a senior at Irvington High School in the Fremont area. I am a manager for the technical department in S.I.B.. Our student run company creates flyers, mailer, brochures, and newsletters for various businesses and groups such as SPAUG. Through our experiences in running a Desktop Publishing business, we hope to get better jobs when we graduate.

We need your help though. In order to make this monthly publication more and more dynamic, we need all articles no later than the 10th of each month. We will be scanning the info until we can afford a modem. So, please either FAX the articles to (510) 440-9435 (in care of Paul Walker) or send to Students In Business \* P.O. Box 1669 \* Fremont, CA 94538-0166. Any comments? Give me a call (510) 440-0240. Hope to hear from each of you soon.

Oh, by the way. . . any flyers, brochures for us to work on?

**Planning Meeting**  
March 2 (1st Wednesday)  
at 7:30pm  
The location  
**1670 Oak Avenue, Menlo Park**

Help us to make decisions about the club. All members are welcome. You don't have to be a club officer to get your views heard.

**WELCOME**  
**TO THE FOLLOWING NEW MEMBERS**

Esther & Sid Felix  
Marvin Kraft

**AND THANKS TO RENEWING MEMBERS**

Glen Diestelhorst  
Allen Holzman

Jim Bailey  
Isa Cocallas

Ira Gold

Alicia Boyd  
Denise Delange

## CLASSIFIED ADS

Classified ads of a non-commercial nature are free to all members. The rates for commercial ones are:

Business card	\$10
Quarter page	\$60
Half page	\$100
Full page	\$170

**For further details contact:**  
Beverly Altman [415] 329-8252  
or Jennifer Wildman (408)335-7892

**Resume Referral Service**  
Dick Harding  
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# THE SPAUG RESOURCE CENTER

## OFFICERS

President	Cookie Cook	[415] 282-0474
	Brian Christopher	[415] 952-5632
Vice President	Jan Altman	[408] 243-5955
Treasurer	Bev Altman	[415] 329-8252

## MANAGERS

Bulletin Board (SPARC) Sysop	Brian Christopher	[415] 952-5632
PRinT SScreen Editor	Paul Walker	[510] 440-0240
Resource Center	Rich Madden	[408] 253-2075

*SPAUG members are encouraged to make themselves available to other members to answer questions about hardware or software. Your area may be general or specialized. If you are willing to have your name added to this list, please contact the Resource Center Manager, Rich Madden at [408] 253-2075.*

## SOFTWARE

Accounting	Larry Mehl	[415] 329-6037
Lotus 1-2-3	Larry Mehl	[415] 329-6037
Quicken	Floyd Kessler	[415] 493-7780
Windows Products	Jan Altman	[408] 243-5955
R:Base	Larry Mehl	[415] 326-6037
Paradox	Quinn Wildman	[408] 335-7892
dBase/FoxPro	Dick Harding	[415] 322-9645

## LANGUAGES

C	John Watson	[415] 325-7632
Fortran	John Watson	[415] 325-7632
Pascal	John Watson	[415] 325-7632
Smalltalk	John Watson	[415] 325-7632

## Newsletter Info

To Submit Articles, Editorials, Cartoons or other "news-worthy" items for the PRinTScreen, call, write, fax, or send a file to.

Paul Walker c/o S.I.B.  
P.O. Box 1669 • Fremont, CA 94538-0166  
Work: (510) 440-0240  
FAX: (510) 440-9435

*Also include a "hard copy" of anything submitted on disk.  
For Circulation Questions, please contact Jim Bailey at (415) 494-0631.*

## CLUB INFORMATION

<b>Meetings</b>	Cookie Cook (415) 282-0474 Brian Christopher [415] 952-5632
<b>Membership</b>	Beverly Altman [415] 329-8252 \$35 per year
<b>Bulletin Board Newsletter</b>	[415] 321-4497 Students in Business Paul Walker [408] 440-0240

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The Stanford/Palo Alto  
PC User Group

## SPAUG MEETING INFORMATION

SPAUG meets the last  
Wednesday of each month at  
Varian in Palo Alto. Meetings  
begin at 7:30. The address is  
3075 Hansen Way, Building 7.

TOPIC FOR MARCH  
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