SLO Bytes
SAN LUIS OBISPO PC USERS GROUP

HARD COPY

SuperStor V. 2.0

By Mihran M. Simonian —

SLO Bytes PCUG

There I sat staring at the screen of my 286, wondering where I was going to obtain more space on my 41 MB hard drive.

I know that many of you have faced the same dilemma when the program

> Suddenly, as if by magic, my 41MB hard disk leaped into the 80MB capacity.... Almost doubling my hard disk space.

to be loaded requires more storage space than available as a whole.

To compound the problem, I had early on divided my hard drive into four partitions of approximately 10MBs each. Being clever as I am, I named each partition with such names as "Games,""Windows," etc. This partition idea was great until I ended up with four partitions, each having some megabytes which totality equaled the storage space I needed, but in reality were unavailable.

Even some of the demos are a couple of megs in size. So I started the old juggling routine. Do I like this program better than that one? Shall I store most of my large programs on disks and use the much slower floppy drives? Must I forever be vigilant and monitor my partitions? Should I pop for another hard drive?

I vaguely recalled some of my fellow club members commenting about my great partitioning idea with exclamations such "??*x@/!!##" and "You what???".

Out came my DOS manual and away went the four partitions, becoming the one and only C drive. Those precious megs were mine.

Then suddenly I heard the sound of the UPS truck screeching to a stop in front of my house. I reached out and grasped the box from the driver that was to change my computer's life forever.

SuperStor from AddStor had arrived to save the day and it sure did. My hard disk would never be the same. The menu driven installation was so simple it

November Preview

- This coming month we are happy to have Mike McMahan, marketing manager for AddStor, with us. If you can't afford a larger hard disk, why not do it with software? SuperStor will almost double your hard disk capacity and is quite transparent. Hear the pro's and con's and see the program in action. I believe he will be showing us a brand new version just released.

- And the month following (our annual Christmas party) we will have no formal program but a giveaway of many, many computer related gifts. Sorry, no 486's, nothing quite that expensive.

In this issue...

made me feel like a technical genius.

Suddenly, as if by magic, my 41MB hard disk leaped into the 80MB capacity. This great, automatic data compression software had given me a 1.8:1 ratio,

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Thank you SuperStor for practically doubling my hard disk.

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almost doubling my hard disk space. The space savings = 46%, so indicated the SSTOR Utility that comes with the program. Now, after loading all my favorite programs on my hard drive, I still see approximately 44Megs available. The apprehension is gone forever.

This remarkable data compression Program is 100% transparent. No special commands or keystrokes. The Drive Swapper feature allows you to save some space as noncompressed. This feature is available if you're using Windows 3.1 caching utility "Smartdrv."

Universal Data Exchange (UDE) in this new version of **SuperStor** allows any other PC to read the compressed data on your floppy disk that you provide the recipient.

The device driver easily loads into upper memory, so long as your unit has a memory manager.

SuperStor by AddStor was nice enough to include a whole group of menu-driven advanced utiltities. My favorite is the Defragment Utility that "fully defragments compressed drives for optimal performance." On my PC the Defragment Utility speeds up the performance of my system.

Other utilities provided as part of the package are Consolidate. Recompress, Shrink, Expand, Update and Information.

The **SuperStor** material explains the way the compression system works in the following technical explanation.

"**SuperStor** increases disk capacity with On-the-fly data compression algorithms which remove redundancy from data, thus reducing the space required for storage. **SuperStor** also uses a sophisticated sector-by-sector allocation scheme that enables **SuperStor** to use the disk space more efficiently than DOS."

Thank you **SuperStor** for practically doubling my hard disk.

SuperStor is priced at "$139.00 (manufacturer's suggested retail price)."

###

Beginner Stuff

*By Bill Duncan —
Santa Barbara PCUG*

Typically Shared Keys

I've been teaching a novice user how to use DOS and a variety of other programs recently. During this process I realized that I was able to get an unfamiliar program up and running quickly because I know that many programs share the same keys.

A typical "help" key, for example, is the F1 key. Lotus 123, Dbase IV, and many other programs use this key to activate their help menus.

The ALT key or the F10 key will usually bring up a menu bar. The escape key will usually back up a menu tree one step.

To end a program ALT-X, ALT-Q, CONTROL-X, or CONTROL-Q will occasionally do the job.

For moving around a screen the arrow keys are obvious choices. However, many programs now divide the screen into different sections, the arrow keys will not move you from section to section. Try the TAB key or SHIFT = TAB to move around different sections.

The HOME or END keys will often take you to the beginning or end of a file. Sometimes the CONTROL-PAGE DOWN key will jump you to the end of a file.

After filling in a data screen I often find that CONTROL-END will cause the program to accept that screen and move on to the next.

When using a directory and file manager, positioning the cursor on a file name and pressing enter will often display the contents of a data file or activate a program file. Pressing the DELETE key will usually delete the file. Sometimes holding down the SHIFT key and using the arrow keys enable you to mark a group of files.

Of course, many programs do not use these typical keys so the tips won't work. But when you are confronted with a unfamiliar screen these tips are worth trying, they might just get you going.

###

EZCosmos Version 3.0

A Review

D T Richmond — SLO Bytes PCUG

Last month I reviewed **Bret's Dinosaurs**, a delightful little children's coloring program. This month I am going to attempt to review **EZCosmos**, a program written for those interested in astronomy. I say attempt because I am not an astronomer and I still rate myself as a novice computer operator. (Perhaps this will explain some problems I had with the installation.)

First this program is absolutely nothing like **Bret's Dinosaurs**! **Bret's Dinosaurs** was an easy fun sort of program. With **EZCosmos**, I had to work for everything I got! I had trouble from the start. I did not understand the questions asked, during the installation process. To me, they were not clearly defined. The program installation section of the manual takes up a scant two and a half pages and five hundred words. This, to cover the installation to a hard drive, a dual floppy system or a Laptop computer. The User's Guide is also a bit skimpy, consisting of only thirty-four pages. The manuals for most programs I have reviewed will contain either a history of the program, or a description of its intended use. **EZCosmos** User's Guide has neither of these.

After I muddled through the installation and got into using the program, what I found was a pleasant surprise! Once I learned the purpose of **EZCosmos**, I found that it is possible, using SKY PLOT, to show a plot of the sky, as seen from anywhere on the earth, any time and date from 01-01-4000b (that's B.C.) to 12-31-9999. To me, that's very impressive!

With **EZCosmos** you can point to any object in the SKY PLOT click the mouse button and a dialogue box will appear describing the object. When you see how many objects are on the screen in the SKY PLOT, this too is very impressive!

Should you wish a closer view of the object you may increase the magnitude of an objects brightness with the Magnitude Filter. With it you can match the object's Magnitude (the way the object appears on your screen) to how it would look viewing from your backyard! The ZOOM FIELD command, changes the amount of sky shown in the Sky Plot. A 180 degree field will show horizon to horizon. 30 to 90 degrees are useful in viewing a constellation. 1 to 10 degrees are useful to zoom in on a single interesting object. (The manual cites the Pleiades or Epsilon Lyrae to be viewed in this Zoom field)

ANIMATE THE PLANETS: Not only can you set up a Sky Plot, but with the "Animate The Planets" feature, **EZCosmos** will track the movement of the sun and the planets, through the sky. Again at ANY specified time and place on the earth! You can set the interval of the annamination in days, hours, minutes. You have the choice of including the Moon with the "Animate the Moon" option. In some cased it might be advis-

able to omit the Moon as it might clutter large animations.

To quote from the **EZCosmos** manual:

"An exciting feature of **EZCosmos** is the ability to show partial and full Solar Eclipses. Example:

From the Status screen: (set the following)

Location: HILO, HAWAII   Time Zone:HST Planets: ON

Date: 07-11-1991 Time 06:15

In the Plot mode:

Find: SUN, Re-plot so the Sun in the center of the Zoom: 5 degrees, then zoom out in increments to see the area surrounding the Sun as it will appear during the eclipse. Note that from HILO, the Moon and Sun will be only about 20 degrees above the horizon.

You will see the Moon partially covering the Sun, with the Delta Geminorum close by. If you zoom in to 3 degrees and animate the planets (the A command) with an interval of 2 minutes and "Animate Moon = yes," you can watch the eclipse progress. **EZCosmos** can accurately display Solar Eclipses through a date range of about A.D.1000 to A.D.3000." Eclipses can be plotted outside this range, but **EZCosmos** says they will not be quite as accurate.

With "Looking at Pictures" **EZCosmos** can show you what certain objects will appear as seen through a large telescope. The program contains forty nonstellar objects available for viewing in this manner. These graphics are very much like graphics in "**Astronomy Tutor**" described in Interesting Notes at the end of this review. With

Considering Upgrading To A 386? Better Read This First.

By Kathy Yakal — SLO Bytes PCUG

Yikes! It's the 15th and I don't have my column ready for Jim. Rather than miss the deadline, I'd like to invite a guest columnist in this month: my brother-in-law, John, who doesn't know I'm stealing his jokes. John recently wrote an e-mail message to a mutual friend of ours who wanted some advice on upgrading to a 386 laptop. John pontificated on that topic for awhile, and then went on to offer this helpful bit of advice. Perhaps you feel this way sometimes, too.

"But my real recommendation is that you get a toaster oven. Why, you may ask?

1.) They are much more useful than computers, both at home and on the road.

2.) You don't need a manual to run a toaster oven.

3.) And you don't need to take a course or buy a $20 book to study every time you want to toast something new.

4.) There are no pesky monthly magazines like ToastWorlds, or OVEN SHOPPER that you have to keep up with.

5.) You will rarely have the desire for bigger and bigger or faster and faster toasters. Toaster ovens are not obsolete weeks after production. Ours is 10 years old and they still sell the same model.

6.) You can take it with you on trips and not have to worry about losing data (crumbs maybe, but that can useful in finding your way back home).

7.) A computer has never ever produced anything that I wanted to put in my mouth. Computers have produced many things that I would like to put in the toaster oven, however.

8.) Toaster ovens can be annoying, but it is doubtful that you wind up spending hours staring into the display.

(Note from my sister-in-law: John had a tough weekend. He added a meg of RAM to his computer, which should have worked, but when he went into Windows and tried to do anything, it laughed at him. Hence his preference for toaster ovens).

In conclusion: Beware. Use of a toaster oven around computer professional usually results in missing bytes (bites) from the toast. A chain saw is also nice, a little noisy, but works well on computers."

EZ Cosmos — Con't from page 3

each Object's picture is an information screen describing the Object.

System Requirements: **EZCosmos** requires 512K of base RAM be available to run. This version does not take advantage of extended or expanded memory. Hard disk space required to store the full program, 1.9 meg. **EZCosmos** will automatically detect which graphic card or if a math coprocessor is present. (See hard disk installation)

Conclusion: I did not think that this program was easy to install or to learn to operate. Once I overcame these hurdles I found a program that I believe both the novice and the advanced astronomy buff will find a useful tool in their study of the cosmos. DAMMARK is offering **EZCosmos** free as a bonus with the purchase of one of their telescopes.

EZCosmos Version 3.0

FUTURE TRENDS SOFTWARE, INC.
1601 OSPREY DR. SUITE 102
DESOTO, TX 75115

Interesting Note: Included in the shareware Red Haworth passed along to me last week was a program called Astronomy Tutor, also an astronomy program. It contains many of the same pictures of the planets and celestial bodies. The two programs complement each other. **Astronomy Tutor** is devoted only to viewing and describing five types of objects.

Option 1: This is the introduction to the program and contains graphics pictures and a description of four interesting objects, plus a lists of astronomical terms and constellations and their abbreviations.

Option 2: Contains graphic pictures and descriptions of the planets that make up our solar system, as well as the moon.

Option 3 Contains graphics pictures and descriptions of eleven nebula's.

Option 4: Contains graphic pictures and descriptions of four globular clusters.

Option 5: Contains graphic pictures and descriptions of eleven galaxies.

Conclusion: I found this interesting and I think it is a complement to **EZCosmos**. With these two programs you should be able learn a lot about the cosmos.

Astronomy Tutor
Written by Shawn Bowlby.
Shawn says he is new to program writing and there is no address given to register this shareware program, only:

Channel One: (617)354-8873
E-Mail; Shawn Bowlby
It is distributed by Shareware Labs 800-359-9998

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SLO Bytes Library

We have a couple new disks that may be of interest to you.

☛ **514 - DOS Tutor for DOS 5.0.** Having trouble with the latest version of DOS, try this one.

☛ **515 - Boxer Text Editor -** here's a great editor with pulldown menus and many powerful features.

☛ **516 - Calendar Wise ver 1.1 -** Many features for creating custom calendars. Will accept repetitive multiple events, single events, etc. Excellent for planning your life.

☛ **517 - Miscellaneous programs: PIF Helper.** Create PIF files for your Windows programs for faster and smoother execution. **WINIQ** - Test your IQ with this program run through Windows. **CRXWORD** - If you are a crossword fan, get this one. You'll like it. **GIF-JPG - JPeg** is a powerful graphics compression program (much better than PKZIP). For graphics only.

☛ **518 - Hugo's House of Horrors III (disk 1 of 2) - "Jungle of Doom".** Here's a game with superb animation and story line. A must for avid game players.

☛ **519 - Hugo's disk 2 -** place both disks on single 3.5" or high density 1.2 floppy for installation.

Updates:

☛ **419 SCAN95B** - McAfee's latest virus scanning program
420 VSHLD95B
421 CLEAN95B

Demo Disks

☛ **69 Buick 1992** (update)
153 Design CAD 3-D (update)
206 PC Rx - Protect from Virus
207A&B Lotus AmiPro Release 2.0 (1.44 disks)
208 Revolution Expense Account
209 Quick Sketch - Make mug shots
210 Educatonal Software Publishing
211 WinTools
212 Distant Suns (Windows)

Note: Some of the demo disks are on 3.5"/1.44 meg floppy disks. Since we do not have a machine on which to make copies, you may check these disks out for the month and bring them back to the next meeting. See Sam Powers.

George will have an early meeting disk this month. If you want to avoid the long lines for making a copy you may buy it from the librarian for 90 cents. We also have updates of McAfee's virus scanning programs. They come on 3 disks and are available for 90 cents each. Speaking of disks, you wanted us to provide high density 3.5" disks; we have them. 1.44 meg disks for 85 cents each.

###

The Other Side

J.R. Brimmer III — From 06/92 Cache Register

All Computer Buyers Must Pass A Test First

My boss accuses me of not enjoying retailing when I say, "We shouldn't sell a computer to anyone unless they pass a basic computer competency test." We offer support to people with all levels of computer knowledge. Some requests stretch my imagination. To illustrate the point, let me try to relate two incidents that occurred within as many weeks.

I learned a long time ago that a degree does not mean that the individual has the brains to come in out of the rain. Take the example of a full professor at a major Chicago university. He came in complaining that the printer he bought elsewhere doesn't work because the computer we sold him was defective. I asked exactly what was the problem. He said that the paper would not advance; it just keeps printing on the same line. I asked how he set up the printer. He said, "What setup? I plugged everything in together just like the systems manager at the school did. The same hardware works at work; therefore, the hardware should work at home. If it doesn't, it is because the computer is defective." I explained about 'line feed," but he said it could not be the fault of the printer because he paid the full retail price at the fancy store front.

Another example of incredulity was the lady who called a couple of weeks ago. She said she bought the computer from us the week before. Everytime she started it, she said it only gave her an "A" with a funny thing pointing to the right. Then she

SmartDrive Explained

*By Christopher Cook —
Oklahoma City User's Group,
July 1992*

This month we will concentrate on the **Smartdrive Disk Cache** program. **Smartdrive** has been improved significantly with the release of **Windows 3.1**. **Smartdrive** in **Windows 3.0** cached only what was read from the hard drive and didn't do anything to improve disk writes. In **Windows 3.1 Smartdrive** has been changed from a device driver called in your config.sys file to a TSR (Terminate-and-Stay-Resident) program that is executed in your Autoexec.bat file. It will now cache both disk reads and writes for greater speed when saving documents.

With the new **SMARTDRV.EXE** there is no pause when you save a file in an application. **Samrtdrive** saves the document to memory and then writes it to the hard drive when it detects an idle period. In large multi-user environments, write caching may worry some people because of the chance of power loss before **Samrtdrive** has completely written to the disk. This shouldn't be a concern for most PC users. **Smartdrive** writes to the disk automatically before five seconds has passed. It is possible to exit **Windows 3.1** and turn off your computer in less than five seconds thereby losing data, but **Smartdrive** goes to great lengths to avoid data loss. **Smartdrive** watches the keyboard and when it sees the Ctrl-Alt-Del restart sequence, it will take control and ensure all data in the cache has been written to the disk. You may notice a slight pause when you reboot. This doesn't work, however, if you use some type of third party reset program or physically turn off the com-

puter, data loss may occur. To avoid this you can type SMART-DRV/C at the DOS prompt. This will force Smartdrive to write any cached data to the hard drive. If you would rather not have to remember this, you can create a batch file to start Windows and execute the com-

---

Smartdrive doesn't just work in Windows. It also works for all of your DOS applications and enhances their operation as well.

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mand when you exit. This batch file would look like this:

@echo off

(this keeps the commands in the batch file from displaying)

win

(starts **Windows**)

smartdrv/c

(forces **Smartdrive** to write to disk)

Smartdrive doesn't just work in Windows. It also works for all of your **DOS** applications and enhances their operation as well. You can get a good demonstration of how well **Smartdrive** works by unzipping or unarcing compressed files such as those found on a BBS. With **Smartdrive** loaded, they should uncompress faster than they do without **Smartdrive**.

You can tell **Smartdrive** how much memory to use for the cache by adding memory sizes to the **Smartdrive** command line in your Autoexec.bat file. You can use two different numbers at the end of the **Smartdrive** line to change the memory usage. The first number is the amount of memory **Smartdrive** uses when NOT running windows and the second is the amount used when running **Windows**. Example:

```
c:\windows\smart-
drv.exe 2048 1024
```

In the example, **Smartdrive** is using two megabytes of memory when **Windows** is not running and one megabyte when in **Windows**.

Microsoft has created a guideline for how much memory to use for smartdrive when running **Windows** depending on the amount of memory you have and whether you run Windows 3.1 in Standard or enhanced Mode. If you have less than two megabytes of total memory, Microsoft doesn't recommend using **Smartdrive**.

Total Memory	Smartdrive
3MB	512
4-6 MB	1024
7 MB	1536
8-10 MB	2048
11-12 MB	4096

For those of you using **Stacker**, **SuperStor** and other third party disk compression programs, there is some good news and some bad news. Microsoft says **Smartdrive** will work with these programs, but it will not cache the compressed drives. This means windows will run slower on a drive compressed with these programs. Microsoft states that you should only use **Smartdrive** to cache the uncompressed drive letters. **Smartdrive** and **Windows 3.1** should automatically detect whether you are using one of these programs and adjust itself accordingly. Additionally, **Smartdrive** must be loaded AFTER the utility that compresses the drive.

Well, that about covers it. There are a lot more command line switches and such for **Smartdrive**, but the topics covered are the most important.

###

Is Your Computer Energy Aware?

By Bob de Violini — Channel Island PCUG, Camarillo California

As mentioned last month, the September issue of BYTE carried a very good article about how computers and computer operations are becoming more environmentally aware.

We have heard from Ron Howard about recycling laser printer and copier toner cartridges, but most of us don't really think too much about another area in which PCs can impinge on the environment.

This article, "The Greening of Computers," talks about several issues, but the part that most of us can do something about is electric power usage. Companies with extensive mini- and micro-computer usage find they are paying for significantly increased electric loads. That's not just for the power to run the hardware, but also for the added load on air conditioning systems.

Some firms, without enough power coming into their buildings to run both a/c and computers at the same time, have started running the a/c all night when most of the computers aren't on. They then let the buildings warm up gradually through the day from the heat generated by the computers (and their users).

A modest PC with a 150-watt power supply, left on 24-hours per day, will use over 1.3 megawatt-hours of power in a year. A larger system, using 250W, will consume 2.2 MWh in that time. At the local SCE baseline rate of 10.9 cents per kWH,

> A modest PC with a 150-watt power supply, left on 24-hours per day, will use over 1.3 megawatt-hours of power in a year. A larger system, using 250W, will consume 2.2 MWh in that time.

that's $143 or $239 per year, respectively. Most of that cost is for the energy consumed during all those idle hours, a capability that isn't even looked at, much less used.

The machine is just sitting there using electricity like a high-wattage light bulb left on in an empty room. The benefit for the computer system running around the clock, particularly the newer ones, is only marginal (remember the "minimize wear and tear" stories we've all heard?).

If, instead, these two systems were turned on for only eight hours every day, the power usage would drop to 438 Kwh and 730 Kwh per year, respectively, and the costs for the power used would be only $47 and $88 per year.

New technology using low power consumption components, and techniques that will put the monitor and other hardware into a "rest" state when not actively used, can cut that usage (and the costs) by a half.

So, if we want to help save energy, conserve natural resources and have some money left over after paying our bills, it is best if we don't subscribe to the philosophy of just "turn the computer on and let 'er run." Electric energy and the resources to manufacture it aren't cheap or inexhaustible any more, though computers are getting cheaper, and they do seem to be procreating themselves madly.

#

DISCOUNTS

Star Computers 855 Morro Bay Blvd. Morro Bay 772-7827	5% 10%	Any software in stock. Paper, ribbons, cables, and other supplies.
Computer Logic 973 Foothill Blvd. #4 San Luis Obispo 544-8347	10%	Off list - all computers, software, computer peripherals, and products. Contact Bruce, Paul or Dave for discount.
WITCO Computers 3563 Sueldo, Bld. B San Luis Obsipo 549-0811	$100 10%	Off regular prices on Whitaker computers Off service Meet nearly any advertised price on same or similar computers. Bring ad to store.
Los Cerros Computers 466-4402	15% 20%	Above cost on computers and computer peripherals. Above cost on software & supplies (Cost includes shipping & handling)
Computerland of San Luis Obispo 1422 Monterey St. San Luis Obispo, Ca. 93401 541-4884	15% 10%	Above cost on all regularly priced computers, software, computer peripherals, and products. Contact Marilyn for discount. Off service labor

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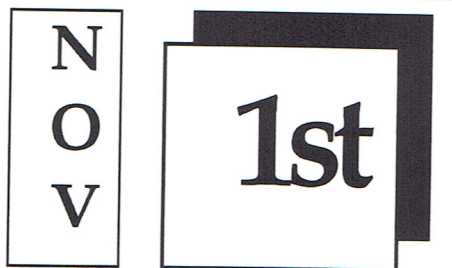
Printing Single Labels on Laser Printers

By Herb Edelhertz — Pacific NW PCUG, June 1992

When I decided to replace my daisy wheel printer with a laser printer it seemed clear that I would have to give up on one capability that had been most helpful — printing single labels to stick onto envelopes too large to go through a printer, or those with clasps that could harm a printer. A number of dealers, while puffing their various laser printers, told me that sheets of labels could be printed on the laser printer, but not single labels. This would not be of much help when the job at hand is to address one or two large envelopes or packages. Not one dealer told me I could print a single label.

I finally settled on the HP Laser-Jet III printer, but what follows is probably applicable to any of the new laser printers that have adjustable slots to take envelopes. When I bought the printer I checked carefully to see if the documentation gave even a hint that one could print single labels. There was not. You can print single labels. It is relatively simple.

The directions that follow can be adjusted for one's own preferences as to label size, or typeface and font desired. These were the steps I followed, for my own use. I started with a strip of Avery #4145 3 1/2" * 15/16" labels, on backing that was perforated for use with printer tractor. Then I created a document, with the following formatting: (1) left marge set at 3" and right margin at 2 3/4", (2) top and bottom margins set at 0; (3) selection of a scalable font at 10 1/2 point size. I then inserted a strip of labels, as one would an envelope.

Calendar

November 1st - Mike McMahan from Addstor will Demo **SuperStor** — disk compression software — for us.

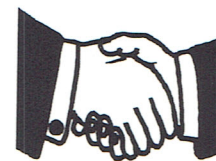**December 6th** - **ANNUAL-CHRISTMAS PARTY.** Plenty of "give-aways," food and congeniality.

January 3rd - Louis Wheller will demonstrate **"Remote Console."** Take over someone's computer remotely with this one, and here's a local company to boot!

###

Next, I typed in the address and printed. The top label of the strip was imprinted with the address. I then scissored away the label and its backing, and was ready for the next label on the strip. To make all this easier I set up a Prokey macro to handle the formatting, so that all I had to do was type in the destination address.

I'm now looking around for larger labels so that I can use a macro to set up a return address above a line, and the ad-

New Members

We had two new people sign up for a membership card this month. Welcome aboard. We hope we can be of service to you.

Vickie Buster
773-0358

Karen & Dick Martin
543-2212

###

dress below. The printer manual gives a number of warnings about envelope stock and labels meeting certain specifications to withstand printer heat. The reader will just have to use his or her judgement as to the risks. I didn't think there were any, and have had no trouble so far.

The only drawback so far is that one has to waste some blank labels, or use them for hand or typewritten addressing. When a number of labels have been used, causing the strip to shorten to less than 5" (on the HPIII), they will no longer be pulled through the printer.

###

Club Information

The SLO BYTES Newsletter is a monthly publication of SLO BYTES PC User's Group located in San Luis Obispo, California. Information in this Newsletter is derived from both our own membership and other PC User Group Newsletters. The purpose of this publication is to inform our members of meetings and provide information related to the use of IBM PC's and compatible computers.

Membership: Dues are $20 per year. Newsletter only is $12 per year. Full membership entitles you to our monthly newsletter, full use of the public domain software library and discounts at local computer stores.

Article Submission: Deadline for submission of articles is the 15th of each month. Articles should be provided in ASCII format without any type of formatting from your word-processor including tabs, indents, extra spaces, or highlighting. We prefer articles on disk but will accept hard-copies if necessary.

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Editor: Jim Bigelow
1515 Kiler Canyon Road
Paso Robles, CA 93446
(805)238-6335

Meeting Times

General meetings are held the 1st Sunday of every month, unless noted otherwise in the newsletter calendar, at 2:30 pm in the Cal Poly University Biology Department, Fisher Hall 286. Special Interest Groups (SIGS) meet at 1:00 - 2:00 pm.

New User's SIG - F.H. 286
Our Public Domain Library is in Fisher Hall 292. Hours 12 Noon till closing.
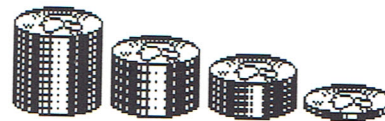

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All Welcome - 24 Hours

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said that when she started to type a letter to her sister, the computer would beep at her when she got to the second line. The computer also prints to the screen the words, "bad command or file name." I asked what word processor and she replied, "What is a word processor?" I then said, "Let's view the C:drive." She responded, "Okey, how do we do that?" I told her to type "C:" and press the ENTER key. She replied, "Okey, S-E-E-C-O-L-E-N."

Now, is the idea for testing a prospective purchaser that bizarre? As the one who gets the requests for help, I think not. what do you think?

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Treasurer's Report

SLO Bytes PCUG Expenditures Sep't. 1992

Beginning Balance	+1933.25
Expenses:	
Newsletter 09/25/92	-112.61
CD-ROM Upgrade	-26.40
Disks	-236.00
Soft Drinks	-48.83
Bulk Mail Renewal	-75.00
	=====
	-498.84
Deposit 10/05/92	+637.25
Dividend 09/30/02	+18.06
	=====
	+655.31
Balance 10/30/92	+2089.72

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Editor's Note:

A love note to Tracy Gonzales. All of us wish to thank you Tracy, for the best demonstration of the year. The many compliments from the group and the fun and excitement during and following your Demo of Corel Draw-proves you are the best.

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SLO Bytes Officers

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