

HARD COPY

What's New

By John Ewing

This month's meeting was a little unusual in that George Campbell wasn't present to officiate it. As you probably have heard, George took ill in Palm Springs a few weeks ago. However, Bob Ward tells us that he has been released from the hospital and is recovering in Southern California. If you would like to send George a get well greeting, you can send it to his home address at 1472 6th Street, Los Osos, Ca 93402.

Bob Ward and Bob Hunt did a great job in George's absence. The early meeting started out with an educational video produced by Intel Corp. The video features teenage kids that are shown the inner workings of computer. The setting is at the giant computer museum built by Intel. It is model of a computer built to a scale twenty times larger than life. The video is very educational for someone whose knowledge of a computer is limited. The video was followed by a question and answer session headed up by Bob Hunt.

The feature of the main meeting was a presentation of P11 Animation Software by Russell Hoffman, the software's developer. Russell demonstrated the abilities of P11 by running an application called "The Engine of Life". This application was developed for use as a training aid for a medical institution. If you need to develop animated applications, you may want to investigate this program. The price of the software is \$29.95 for the Engine of Life, and \$129.95 for the P11 Software. For SLO Bytes members, Russell is offering a discount price of \$19.95 for Engine, and \$79.95 for P11.

As usual, a drawing was held at the end of the main meeting. Los Cerros donated four of the prizes, and Russel Hoffman donated a copy of The Engine of Life. The winners this month were Frank Gurney (Superhelp), Art Wilson (Use It or Lose It), Bernease Garry (WordPerfect Library Shell), Bob Bronson (WordPerfect Library

Shell), and Richard Sharp (Engine of Life).

Here's some things to look for at the early meeting in June: Bob Hunt will spend some time demonstrating PC-cillin, a software/hardware package that constantly monitors your computer for Virus infection. Couple this with VIRSIM, a new shareware program written by a local programmer, and you will see a new way of making "simulated viruses" and detecting them with PC-cillin. We will have discount coupons for PC-cillin available at the meeting. And there's more! Bob will also show us a slick label program from PowerUp called Labels Unlimited. This one lives up to its name. Of course this will be followed with a Q&A session. And you might ask, "how can we do ALL this and still have time to answer DOS questions at the early meeting?" Guess what, our early meeting will be starting AT 1PM EACH MONTH EFFECTIVE JUNE 2ND! If you don't get sore bottoms sitting for 1 and 1/2 hours you might learn a lot at our

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President George Campbell
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Treasurer Bernice Meador
Secretary Bob Ward
Editor John Ewing

Logitech's Grayscale Handscanner

by Bob Ward

SLO Bytes PCUG

About a year ago I purchased a Logitech Scanman +, wrote a review expounding on all its features and thought I had the ultimate handscanner. Then 6 months later Logitech came out with their Scanman 256 Gray Scale Scanner. Of course like the little spoiled kid that I am, I just had to have one. I have been using it for a few months now, putting both the hardware and software through its paces. I am happy to report it is everything I expected and more.

Hardware

The Grayscale Handscanner looks very similar to the older Scanman +. Here is where the similarities end. On the left side of the scanner is a switch for gray levels of 16, 64, 256 and BW for black and white line drawings. Next to the switch and slightly toward the back is a contrast thumb wheel which allows the user to do just that. . . adjust the contrast. Software can also do this as I will mention later. Just to the front of the grayscale selector switch is the button that starts and stops the scan. On the right side of the handscanner lies the resolution selector switch; 1,2,3 or 4 representing the dots per inch selected for the scan times 100. On top of the scanner is a small light that glows green when you are scanning and flickers red if your scan is too fast for the software to assimilate.

Logitech's Grayscale Handscanner comes with its own controller board that installs easily into any 8 or 16 bit empty slot. There are 8 dip switches mounted on the back metal plate of the board which makes configuration easy even after the case is put back on the computer.

Run it from a super VGA system if possible. This will give you the maximum screen resolution and shades of gray. I have the scanner hooked up to my home computer with an EGA monitor. This shows a limited number of gray shades at one time although the printing is not affected. I tried the Ansel Software at work on a computer with a VGA screen. The difference is immediately apparent.

Software Installation

Installation of the software was simple and direct. After the SCANMAN subdirectory was created and the appropriate files copied to it, the CONFIG and AUTOEXEC files were updated automatically. The dip switches on the back of the board were factory set (although they could be easily changed) and the installation was finished swiftly and correctly.

The Scanman software is run from the DOS prompt with appropriate parameters inserted for width and length of the scanning area.

Ansel Software

Bundled with the Logitech grayscale scanner comes the most remarkable graphics software I've seen, Ansel Image Editing Software. It's this software that really makes this scanner stand out. Running under Windows 3.0, Ansel can do some amazing things. The Ansel application window has drop down menus for editing, viewing, image analysis, and transformation. Also find the Scan window for setting up your scanner.

Bring down the Edit window and cut, copy, paste or crop. Since this handscanner has a maximum scanning width of 4 inches, use the Stitch command to bring two halves of a page together into one image. Should you "mess up" a drawing just point to the Undo bar and jump back one or more steps.

Under View try zooming in on a picture up to 800% or out to full page.

Show the toolbox from which you can do freehand drawing, erasing or moving an image around within a frame. Bring up the B/C (brightness/contrast) box and with a slide bar instantly change the brightness and/or contrast of a picture viewed in 256 shades of gray.

The Image window provides many more methods of enhancing or changing your scanned image. From here too you can lighten or darken an image. Try smoothing or sharpening a document. Smooth softens the edges and details in a picture while Sharpen has just the opposite effect. You can also choose "negative" which does just as it says. Equalize more evenly distributes all the gray shades over the whole gray scale range. Run your image through Threshold to give it a posterization look with all grays dropped out and only blacks and whites showing.

The Transform drop down window will let you flip your image vertical or horizontal. You can also rotate right or left.

The Scan window automatically adjusts to selections you have made on the scanner. You can use a ruler slide bar for changing the width of the area to be scanned. This is important if you are scanning for maximum resolution and 256 shades of gray. The files can get very very large. A 4 inch by 6 inch image at 400 dpi scanned at 256 shades of gray makes a file 3.8 megabytes in size.

For more accurate renditions of the scanned image the documentation suggests you first calibrate the scanner with a special gray card provided. Should you need to rescans, you have that option without going through the whole setup procedure again. Files are saved in .TIF, PCX, BMP, or EPS format and are easily incorporated into Ventura Publisher, Corel Draw, or Ami Professional.

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DR DOS . . . The Thinking Man's Alternative Coming to Your Meeting in June!

by Gus Thomasson

SLO Bytes PCUG

I'm not exactly Microsoft's greatest fan. As a matter of fact I've never liked anything Microsoft has done. Its reputed that even their own people use Wordperfect instead of the much ballyhooed Microsoft Word. I tired of Windows 1 2 3 and The DOS of the Week Upgrade. From the well known limitations of DOS 3.3 (small hard disk partitions) to the ungainly 4.0 to 4.01 infamous "share message" I want something better. Of course there's always tomorrow and the promised DOS 5.0. I wonder how many issues it will take them to get that one right?

The only reason Microsoft exists at all is that some low level executive at IBM decided to use that DOS in the beginning. It was not because its better than the rest but because it was cheaper and available. IBM has never taken the PC market and the home user seriously anyway.

So along comes Digital Research's Disk operating system. Wow. Great installation system. No need to reformat your hard disk. The install program replaces every DOS program on your computer with the DR DOS version. The computer acts the same only you will notice subtle little niceties like a command line that allows inserts and remembers all the previous DOS commands with an Up Arrow Key. And a great full page editor that uses wordstar commands and programmable config.sys files that ask you if things should be done before it does them and supports "goto" commands and "if then" statements.

Of course the most important thing about an operation system is the amount of memory left you after the thing is loaded. MS DOS uses the first 64K or so of RAM to load command.com. DR DOS loads this essential file in the memory between 640k and 1024k. It also allows this high memory to be used to load TSR's and mouse and network drivers. I load DOS, a 1024k cache, a mouse, a print spooler and a keyboard buffer when I boot up and how much memory do I have for my applications? Try 640K. There's more but you'll have to come to the next meeting to see.

Long live DR DOS. And poohy to those who still wallow in the pitiful dregs of microsofts operation system of the week. See ya at the meeting. Be there or be square.

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Intel's New Chips

by Bob Ward

SLO Bytes PCUG

On April 22nd, Intel released a new version of their 486 chip... the 486SX. It's about half the price of the DX but still 40 percent faster than the fastest version of the 386 chip, or 20 percent slower than the slowest 486DX. The new 486SX lacks the built-in floating-point math coprocessor. There has been some software incompatibilities with the 486DX which may be attributed to the built-in math coprocessor. Hopefully this will alleviate those problems.

The good news is that the 486SX chip is priced only \$50 more than the 386DX chip. In quantities of 1000 the

386DX costs \$208 while the new 486SX is \$258. The slowest version of the 486 runs \$588.

AMD, Intel's main competition, says their version of the 386 chip is slightly faster than Intel's 486SX and that Intel's new chip is nothing revolutionary.

Don't expect to find any of the new chips on your local computer shelves for awhile. The big computer manufacturers have scooped up the first production run to put in their computers. ALR computer company has announced several new models utilizing the 486SX chip starting at \$2,700. Look for AST and Everex Systems, both rivals to IBM, to follow in ALR's footsteps with several 486SX models for under \$3,000. (The first IBM-XT's we purchased in the Biol-

ogy department were \$2,400.) Later this summer, as supplies increase, you might find them on motherboards that you can purchase. Intel hopes to ship 1 million units by this summer and 2 million by the end of the year.

Intel is not resting on its laurels with this new chip. They have demonstrated a beta version on a new 486DX which runs at 40 million instructions per second. Today's fastest Intel 486 runs at 28 MIPS. This chip will be released next summer.

If you want to wait until next year, look for the 586 by Intel. This chip will contain over 4 million transistors compared to the present 486 chip with 1.2 million. Life is exciting, isn't it!

What's In Our Newsletter?

by Jim Bigelow

SLO Bytes PCUG

The SLO Bytes PCUG's newsletter HARD COPY, is my treasure map for the upcoming meeting. Without it, non-members wouldn't know when or where the next meeting is taking place. When I first attended the SLO Bytes PCUG I needed the map on the back page; now that I know my way to the meeting I find the map handy to give to a friend who wants to attend. It tells me if there is possibly a last minute change in the date or time or whereabouts of the meeting. It advises me about Special Interest Groups (SIGs) that helps me with certain problems and know-how about my favorite software. A critical perusal of HARD COPY's contents, prior to the group's meeting is helpful for me to comprehend all that will be presented and available to me at the meeting.

Of particular interest on the front page is the SLO Bytes PCUG's logo. Bob Ward informed me the logo was made by past-treasurer Teri Sorgatz, with Corel Draw, a very expensive drawing program and I suspect the best. Terry operated a desktop publishing business in her home before leaving San Luis Obispo.

WHAT'S NEW by the editor, now John Ewing, provides us details about the latest news, what occurred at last month's meeting, presentations, special interest group's activities, prizes awarded and their winners. (You have to be present to win.) If for some reason you weren't at the meeting you learn what you missed when our president, George Campbell, enlightened us of new techniques, hardware and software, and safety precautions that are of special concern to all of us.

The CONTENTS at the bottom of the front page provides at a quick glance the many articles and items of interest to the members. (A 10-page newsletter is worthy of and requires a list of contents.) CLUB OFFICERS, as listed on the front page, lets us know who to go to for information, advice or guidance.

As you thumb through the pages you will find articles, written by our members as well as excerpts gleaned from the best of other user groups' newsletters. These articles cover items such as product reviews, information and new ideas for operating our computers and software programs. Some articles cover newsworthy information that keeps us up to date with computer technology, laws (those about information-gathering through our modems), virus's and other dangers that lurk in hidden places. The gamut is extensive, and the articles cover wide ranges of information that are critical to the user.

SLO BYTES LIBRARY is one of the most exciting of the group's activities. Just come early and step into the library room (#292), a couple doors down the hall from the main meeting room. You will find this room full of computers, disks and people, all excited and all talking simultaneously. What about? Well, about everything that has to do with computers. Also about the many shareware programs that are available at no cost to the member, just for the copying. Bring your disks or buy disks at a low, low price from our librarian, Sam Powers. (Can't find a disk? Ask Sam.) You also will find many demonstration (demo) disks that will help you to know and understand the software that you have had thoughts of purchasing.

CLUB INFORMATION is found on page 7. It details most of the information one would need to know about our group and its operation. (If you find people interested in joining, make a copy of page 7 for them, but

don't give up your copy. As time goes by you may need it for reference.) For those who need more information, phone numbers are provided.

The TREASURER'S REPORT, and SLO BYTES BULLETIN BOARD are also found on page 7. DISCOUNTS on computers, supplies, and software for the group's members are listed.

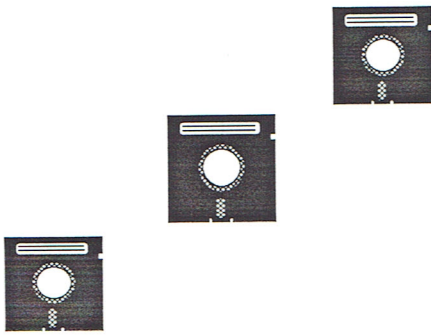
Bob Ward, secretary; John Ewing, editor; George Campbell, president; and the writers and authors of the articles contribute extensive and diligent work, consideration and time to the making, editing, and publishing of SLO Bytes' HARD COPY. Of the many PCUGs' newsletters ours rates the highest. Compare it with the others if you will. It is far more than a flyer announcing the next meeting. HARD COPY is integrally, and indispensably a major component of the users group's reasons for being. With it our group is complete and can function at its best.

Editor's Note: The forgoing article is an unsolicited submission by Jim Bigelow. Without the support of Jim and others like him, this newsletter would not be the effective tool that it is. I would like to see all of the members become contributors to the newsletter. There is always plenty of space to add one more member submission. Think about it! ed.

Calendar

June 2nd

Gus Thomasson, ole' sage of San Luis, will show us a new and exciting product that starts where Microsoft's DOS left off. Come see the software package DR DOS in action.



SLO Bytes Library

Time flies when you're having fun. So here are a few more disks to add to your fun collection:

#424 WYNDShEL - XTree look-a-like. **MCOPY** - automatically organizes the copy process of many files from your hard disk to more than one floppy. **DISKGRAF** - makes a pie chart of your subdirectories with each directory as a percentage of the whole partition. **FASTLK10** - FastLock V 1.0 - Keeps the snoops out of your computer.

#425 Shareware from "Natural Software" - **GEMCAP** - capture text and graphics and save to GEM .IMG file. **FANTASY** - flowing graphic images on screen as you move your mouse. **Wierd!** **SHOWKEYS** - help youngsters learn the computer keyboard. **RUNAWAY** - 3 to 8 age group; chase the falling letters.

#426 FSTML22- - Fastmail (written by local programmer). Set up mailing labels, databases, etc. **LIB&LINK** - utility to use with Micrisoft Quick-Basic. **FLASH** - Daily news file generator. Looks like telegram.

#427 InstaCalc 3 - PC Magazine Editors Choice! - Popup TSR spreadsheet. Less than 15K overhead.

#428 TreeTop - hard disk organizer and file manipulator.

Updates:

#126 PCFTM11 replaces PCFTYP40 - new version of PC Fastype in monochrome. Can be used with all computers.

#340 FFF103 (FileFinder 1.03) updated to FFF33 (FileFinder 3.3). **FM333** (Format Master moved to #428 (no update).

#374 Add PASBR21 - PS Backup/restore 2.1

DEMOS:

#194 PC-cillin Virus Immune System (this will be demonstrated by Bob Hunt at the early meeting in June.)

#195 CheckStar IV check writing program.

Please note: at the end of May's meeting I found 9 library disks missing. Make sure you put them back in the disk boxes when finished. If we continue to lose disks I will create a checkout procedure which, unfortunately, will slow down your efforts to copy disks in the library during meetings.

Signed

The Troll!

New Members



A hardy welcome to the following new members of SLO Bytes who joined our club last month.

Larry Bakkum	528-4104
Larry Colglazier	927-1071
Frank Drake	543-3129
Ken Dully	772-1425
John Eichler	541-6456
Dave Zingg	466-3616

Special Discounts for SLO Bytes Members

Computer Logic has just announced a SLO Bytes special for all members. If you are looking for a modem, they will sell members a Supra 2400 baud internal modem for \$75.00 plus tax. Show your current membership card for this discount. They are located at 973 Foothill next to Burger King.

PC-cillin user group price thru June 1st (I have an exemption to extend this date for a week after the June meeting) \$45.00. Regualr price \$144.00. Pick up a form at the meeting or request that I send you one. (Bob Ward, 528-0121).

###

FLOPPY DISKS 4-SALE at the meeting

Royale Grey DSDD 360K
Unformatted Floppy Disks
with labels, tabs, and sleeves
70 Cents Each

GENERIC DSDD 360K
Unformatted Floppy Disks
with labels, tabs, and sleeves
50 Cents Each

High Density Disks 1.2 MEG.
75 Cents Each

3.5" 720K
Unformatted Floppy Disks
90 Cents Each

New Library Disks
90 Cents Each

All Disks fully guaranteed against defects.

Grayscale Handscanner

Documentation

Documentation consists of two manuals: the Scanman User's Manual and the Ansel Image Editing Manual. The first manual is concerned mostly with setup, software installation and troubleshooting. The second manual details the Ansel software and guides the user through its use. Both manuals are easy to understand and presented in a logical order. I was particularly interested in the section where resolution versus number of gray scale was discussed. As I found out, the maximum resolution depends on your printer as well as the image you are scanning. 400 dpi X 256 shades of gray is not always the correct choice for best results.

Conclusion

If you can't afford a full page scanner which easily runs over \$1,000 the Logitech Grayscale scanner is your answer. I couldn't really find anything negative to say about this product or the supporting software. It lists for just under \$500 with street price around \$300. If you are thinking of investing in any scanning hardware I would highly recommend this product.

Logitech Incorporated
6505 Kaiser Drive
Fremont, CA 94555
(415)-795-8500

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Happy Birthday to you...
Happy Birthday to you...
from SLO Bytes...

Richard Cletsoway 6/03
Louis Valiante 6/11

Batch File for Startups

by Bruce D. Wedlock

Boston Computer Society PC Report, October 1990
[Reprinted from Madison PCUG, December 1990]

If you've added applications to your hard disk one by one, you probably have also written short batch files to start them. Each of these will cost you 2 or 4 Kb of disk space, depending on your cluster size, even though each file may list only a few bytes when reported by DIR.

One solution to this waste of disk space is to combine all your start-ups in one BATch file, passing the application name and switches with replaceable parameters. The structure of such a file, named START.BAT, is shown below. Enter the code with your word processor and save the file, unformatted (DOS or ASCII format), in whatever subdirectory you keep BATch or utility files. Just be sure it is in your PATH.

```
START.BAT

CLS
ECHO OFF
IF %1==spread GOTO L1
IF %1==SPREAD GOTO L1
IF %1==word GOTO L2
IF %1==WORD GOTO L2
GOTO END
L1 CD\SPREAD SPREAD %2%3%4%5
GOTO END
L2 CD\WORD\DOC \WORD\WORD
%2%3%4%5 GOTO END
END
CD\
```

The group of code beginning with IF selects the label to branch to for the application entered as the parameter %1. Both upper and lower case tests on %1 are included to permit either upper or lower case entry of the application name. Mixed upper and

lower case entries for %1 will fail. Also, if no character string is entered for %1, a "Syntax error" will be reported for each IF statement and the program terminates.

Each group of code under the respective label executes the appropriate directory changes, setups and program file necessary for that application to run. The parameters %2, %3, etc., permit passing switches or other data the program can interpret from the command line of START.BAT. When the application exits, you are returned to the DOS root directory.

In the case of WORD above, the .DOC files are stored in the subdirectory C:\WORD\DOC to facilitate backing up. WORD.COM and the other rarely changed program files are in C:\WORD. Hence, \WORD\WORD %1 %2, etc., provides the path to WORD.COM and executes it. This is more efficient than adding C:\WORD to the PATH statement in the AUTOEXEC.BAT file, as WORD, unlike DOS and BATCH files, is only called from this program.

To start the application WORD with the switch /L (load last edited document under Microsoft Word, for example) enter at any DOS prompt:

```
START WORD /L
```

You should next find yourself ready to go with your word processor, with the last document you edited loaded.

While code for only two applications is shown in this example file, the extension to any number of applications should be clear. Try it and save some disk space.

###

APPEND Adds to the Power of PATH

by Francis X. Bolton

NYPC Magazine, October 1990
[Reprinted from the Madison PCUG, December 1990]

The purpose of this column is quite limited. Some PC users who started with DOS 2.0 or 2.1 haven't learned the power that DOS 3.2 or 3.3 gives them, simply because they haven't taken the time to learn what is new with the later versions of DOS. Each of these columns will explain one or two of the more useful DOS commands.

Anyone who has worked with a hard drive has undoubtedly used the DOS PATH command, added to the operating system with DOS 2.0. Even the user who buys a computer, has someone else set it up, and never sees a system prompt probably has a machine which utilizes this command. This DOS external command (if you don't know the difference between internal and external DOS commands, you should get a good book on DOS) tells the operating system where to look for commands that are not in the current subdirectory. Users who use more than one or two programs probably have PATH commands in their AUTOEXEC.BAT files.

The problem with the PATH command is that it only searches for EXE, COM or BAT files, i.e., files that are either executable operating system commands (with the extension EXE or COM) or files that DOS recognizes as containing such commands (with the extension BAT). This means that if you are in a subdirectory which doesn't contain an executable file that you need to run, the PATH command will find the program and open it, but then may be stopped because it cannot find a component of the program. An example of such a component might be one that deals with screen display. PATH allows the

operating system to find the EXE file of the program, but when the program itself needs the small file containing the screen display, the operating system cannot locate it. The reason? The small program has the extension SCR or OVL -- since it's not EXE, COM or BAT, the PATH command is useless.

The APPEND command, introduced with DOS 3.2, remedies that problem. While the PATH command searches for executable files, the APPEND command searches for data files (and that's where such component parts of a program file would fall, in DOS's mind). As with the PATH command, the most effective way to utilize this command is to place it in your AUTOEXEC.BAT file. The syntax of the command is similar to that of the PATH command:

```
PATH c:\path;d:\path
APPEND c:\path;d:\path
```

As with all DOS commands, you skip a space between the command itself and its parameter. The APPEND command has only one argument after it; if you need the command to search more than one path, separate each path from the preceding one by a semicolon and no space. It is strongly recommended that you always list the complete path for the command to search. For example:

```
APPEND c:\;c:\dos;c:\bat;d:\123;
d:\word;d:\finance\fin90\;
d:\finance\fin89
```

In the case of the example above, note that the last two paths include two subdirectories and begin with the root directory. Note also that you probably would not need to include the DOS or the BAT subdirectories since anything contained in these two directories should be found through the PATH command.

Just like the PATH command, you list the directories APPEND should search to find data files in the order of frequency that you are likely to

use them. If you use word processing frequently and spreadsheets rarely, don't put the spreadsheet subdirectory first after the APPEND command; put it last. Also, since APPEND is an external command, you must be sure that the PATH command includes the subdirectory where the file APPEND.EXE can be found. This is probably your DOS directory.

Finally, the APPEND command will find any data file you create as well as files that are components of programs, provided you include the directory where such a file is stored in the paths APPEND searches. But if you change this file and store it, the file will be stored in the directory you are working in or that your program is logged on to. This means that next time you retrieve the document, you may not find the most recent version of it, since it has been stored in a directory other than where it belongs. Personally, I use APPEND only as a way for programs to find necessary components, not as a shortcut for finding files that I've created.

Francis X. Bolton, former President of NYPC, originated the NYPC DOS class and revised Que Corporation's second edition of "Managing Your Hard Disk."

###

What You See is Not Always What You Get

P-Bug, Newsletter of the Palm Beach User Group

A person died and, entering heaven, met St. Peter. St. Peter said, "In the interest of fairness we want to give you the option of staying here in heaven or going to hell. You can look around here for a few minutes, and then go

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ON COMPLEXITY

by Jim Hoisington

North Texas PC News
[Reprinted from MBUG-PC, September 1990]

Heaven or Hell, Cont.

visit hell for a while before you decide. The catch is that your decision is final. You can't change your mind." So they toured heaven for a short time and it seemed a little on the boring side to remain there for the rest of eternity. People were playing horseshoes, bridge, and drinking tea. It wasn't bad, but it did look like it could get old after the first couple hundred years or so. The person asked St. Peter for a look at hell before making a final decision.

The gateway to hell had two huge red doors with "inferno" emblazoned upon them. Expecting the handle to be hot the person quickly pushed the doors open. Surprisingly the handles weren't even warm and a cool breeze wafted from the open doors. On the other side people were eating, drinking, dancing, and generally having a pretty good time. This seemed to be easier to take for eternity and upon returning to heaven the person told St. Peter that the choice was hell.

Once again the person stood in front of the red doors. Pushing on the handles, a smell of searing flesh filled the air as the handles were blistering hot. On the other side was a wall of flame with screams and moans coming from the depths. The person stood there incredulous. The devil appeared and asked if there was some problem. The person replied, "I was just down here 10 minutes ago, it wasn't hot, and people were partying and having a great time! What happened?"

"Well", the devil replied, "that was a DEMO!"

###

I ran into a new form of software piracy last month. A form of fraud that preys on small businesses that have just gotten their first personal computers.

I found that a hardware/software dealer had sold a company several expensive software packages. The software was up and running on the company's network, but the dealer never delivered the diskettes or the manuals. By doing this, the dealer was able to sell the same software again and again. This is a very profitable business for the dealer and very bad business for your company.

When you buy a software package, you should receive both diskettes and manuals, and the manuals are normally printed, not copied on a copier. If you don't have the diskettes and manuals, don't pay the bill!

Not having the manuals makes it very difficult to use the software in any way other than the way it was originally installed. Want to add a report, change a menu? You'd better be good at guessing. In the case of the company that I was working with, they had paid the dealer "consulting" fees to come back to make modifications to the packages.

Even if you are happy with the product as delivered and installed and don't ever want to learn more about the software or use any more of its features, you might want to be eligible for updates. Sometimes updates allow you to run on new computer hardware. If you have an illegal copy, even if you have a receipt, you'll probably have trouble getting the update without paying full price.

In the case of the company that I have been helping, I had to fill out an

affidavit and enclose a copy of the invoice to qualify for an upgrade on one product which saved them several thousands of dollars over purchasing the new version outright.

Watch out for this fraud. Don't let your company get taken by some fast talking salesman. If you don't have the diskettes and manuals, then you haven't received the package and you shouldn't pay the bill.

What's New

new jam-packed, up-to-date early meeting. Bob Hunt will be pinch-hitting for George at least this month as George is still in southern California, BUT OUT OF THE HOSPITAL. Remember 1pm till 2:30 for the early meeting.

There is a slight change in June's main presentation. Gus Thomasson will still be with us, just talking about something different. How about DR DOS, a disk operation system that has all the things Microsoft forgot with their DOS. See his thoughts on this subject elsewhere in this newsletter and you will get a hint of his presentation.

The June meeting promises to be a lot of fun, and there is a slim chance we all will learn something new.

If you look closely in this issue of Hard Copy, you'll find some special discounts being offered to SLO Bytes PCUG members. Computer Logic is offering a Supra 2400 bps internal modems for \$75.00. Stop on by and check them out. You will need to take your membership card as proof that you are a current SLO Bytes member.

See you at the meeting!!

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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 - 2:15 pm.

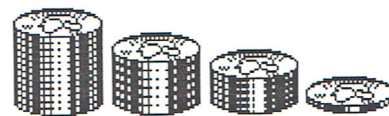
New User's SIG - F.H. 286

Our Public Domain Library is in Fisher Hall 292. Hours 12 Noon till closing.

SLO BYTES BULLETIN BOARD

(805) 528-4212 2400/8/N/1

This Board will be temporarily at this number until George recovers from his illness. We will go back to the old number after his recovery.



Treasurer's Report

SLO Bytes PCUG Expenditures May, 1991

Beginning Balance:	+ 836.23
Expenses:	
Newsletter 04/29/91	- 100.00
Bob Hunt - Backup tape	- 25.00
	=====
	- 125.00
Deposit 05/07/91	+446.00
Dividend	10.35
	=====
	+455.35
Balance 05/07/91	+1166.58

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 wordprocessor including tabs, indents, extra spaces, or highlighting. We prefer articles on disk but will accept hardcopies if necessary.

Disclaimer: Neither SLO BYTES PC User's Group, its officers, editor, or contributors to this newsletter assume liability for damages arising out of this publication of any article, including but not limited to the listing of programming code, batch files and other helpful hints.

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Editor: John Ewing, 1710 15th Street, Los Osos, Ca. 93402. Phone 528-7196.

DISCOUNTS

Star Computers 430 Quintana Rd. Morro Bay 772-7827	5%	Any software in stock.
Computer Logic 973 Foothill Blvd. #4 San Luis Obispo 544-8347	10%	Paper, ribbons, cables, and other supplies.
WITCO Computers 3563 Sueldo, Blvd. B San Luis Obsipo 549-0811	10%	Off list - all computers, software, computer peripherals, and products. Contact Bruce, Paul or Dave for discount.
Los Cerros Computers 11545 Los Osos Val. Rd #A3 San Luis Obsipo 544-6399	15%	Off regular prices on Whitaker computers
	10%	Off service
		Meet nearly any advertised price on same or similar computers. Bring ad to store.
	20%	Above cost on computers and computer peripherals.
		Above cost on software & supplies (Cost includes shipping & handling)

Ziff-Davis User Group Magazine Discounts

PC-Magazine - \$24.97
PC-Computing - \$14.97
Have your mailing label handy for renewals
Call 1-800-777-2547 and ask for your user group discount

