

HARD COPY

January's Meeting

George opened the meeting about 1pm showing his masterpieces. The posters of Bob and himself created by HALO'S Desktop Imager were quite remarkable and very true to life. The technology is advancing so rapidly, one of these days we may be able to replicate the great master painters. We'll just have to settle for the "rogues gallery" for now.

George continued his presentation with a comparison between the two optimum systems that would be suitable for members who wish to use Windows and other programs that work best with greater memory now that DOS 5.0 is available. He recommended a 486 CPU with 8 MB of memory for business purposes and a 386 CPU with 4MB minimum of memory.

Questioned about off-brand computers, those made in someone's

Continued page 7

Gram-mat-ik Windows

by Jim Bigelow
SLO Bytes PCUG

When I discuss grammar checkers with others I find them disappointed. No wonder, they say, "why use it, it tells me the same thing every time." Upon questioning them I learn that they have never read the Doc's, nor explored and learned to use the program. Like using Gram-mat-ik Windows, for example. Until one sets it up to suit himself, i.e., changes the rules to meet his purposes, he will likely be discouraged.

Should you buy Gram-mat-ik, read the Quick Reference Guide; get the program installed and running. Then read the first part of the well written manual. You may want to run the "tour" guide. It will get you acquainted with the basics.

After running the program a few times you will learn some basics about how Gram-mat-ik works

and what it shows you about your writing. I would quickly bet you a cup of coffee against a doughnut that you learn some things you don't want to know. Now, after changing your writing style a bit, click on the "preferences" menu, highlight "writing styles," and pick one of the six styles available. Next, click on "rule classes" and hit "grammatical" and disable the long sentence and passive voice rules, plus a few other rules. Move on to "mechanical", then "styles"; enable the rules you want and need, disable the rules you don't want. Gram-mat-ik will come alive and start serving you.

Of course, you will want to use Gram-mat-ik's "interactive" mode that allows you to edit your article while it is being proofread.

Gram-mat-ik is packed with writing tools and can vary the tools as you need them. If that isn't enough you will soon learn to create your own rules and help screens. If you are a teacher, or edit the work of others, you will find that Gram-mat-ik serves you two fold.

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Club Officers

President	George Campbell
Vice President	Sam Powers
Treasurer	Bernice Meador
Secretary	Bob Ward
Editor	Jim Bigelow

"Yesterdays Memories"

by Jeff Spry
SLO Bytes PCUG

I looked at my trusty dual processor computer; it could use both CP/M 80 and MSDOS programs. It could do anything I wanted to do, but I realized that I was being left behind by the new technology. There were so many neat programs out there that my MSDOS 2.1 with 128K of memory and no hard disk, just couldn't touch.

I'm resistant to buying things I don't really need, but if I can justify it, I'll spend what's necessary. I worked with a color IBM 286 clone at work, I needed to sharpen my skills on the PC, which I could't do at work. My small screen with green characters on a black background were kinda boring and really hurt my eyes I told myself. That's all the excuse I needed, so I bought a Japanese 286 PC with 640k and a 40mb hard disk.

I now have so much space taken up with TSR programs, PC Tools, a mouse driver and a screen saver that I can't run my simple desktop publishing program or Wordstar 2000 without "killing" PC Tools. Now I have DOS 5 and I want to increase my onboard memory above 640K to make it more convenient to run them. I wonder at times where it will all end!

Thirty years ago when I came from analog to the digital computer industry, our standard memory was 10k in a cabinet about the size together of three four drawer filing cabinets. The CPU and console together was about twice the size of the memory cabinet, with no CRT display, just a modified IBM selectric as an output writer and rows of indicator lights. One of our systems had 40k of memory in four of those cabinets, Wow! My present memory 640K takes up a space about 3" square on the mother board, almost unbelievable!

Now I'm retired, but always learning new things, users groups are the only way to go and I'm glad that I am part of SLOBytes, the future as well as the present looks exciting.

GRAM-MAT-IK

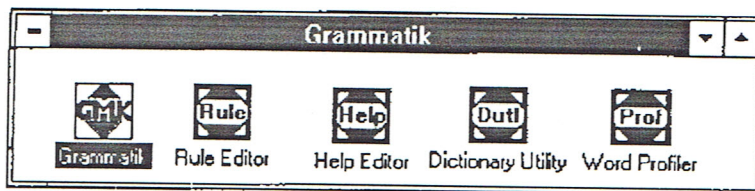
One of the writing tools that Grammat-ik offers is its ability to recognize parts of speech. It only takes one incorrect homonym like "your" when you meant "you're" to degrade an article or review you have worked on for days. One or two typos and your article will have readers snickering. Grammat-ik catches, not all, but many of these mistakes.

If you need to know more about a particular writing problem, such as

the grade level a reader must have reached to understand it.

The program comes on disks for either a 5 1/4" or 3 1/2" disk drive. Upon registering your copy you will receive a small but well written book, "Secrets of Successful Writing," by San Francisco editor, DeWitt Scott.

Grammat-ik Windows Version 2.1 is a nice upgrade over all previous versions. The first Windows version was a "tweaked" DOS program that was



The Gram-mat-ik Program Group

Analyze your article, edit or design your own rules, or self help program, update the dictionary, or create a word profiler.

split infinitives, then press the "help" button. Much of Grammat-ik's help, is context-sensitive and gives thorough information on grammar and style problems. It, in itself, is an education.

Grammat-ik's ability to catch grammar, style, phrase, and mechanical errors is almost endless. In its six step process it does the following:

1. Checks spelling.
2. Analyzes the sentences and assigns each word one or more possible parts of speech, similar to diagramming.
3. Looks for commonly confused words and expressions by comparing your phrases with those in its Master Rule Dictionary.
4. Locates subject-verb agreement errors.
5. Checks for mechanical errors such as punctuation, mixed capitalization, doubled or transposed words, etc.
6. Gives you valuable feedback by collecting statistics as it analyses your articles and then producing them in readability scores, telling you

limited. Not so, with this one, as she runs with all flags unfurled, just like the flagship she is meant to be.

System Requirements:

- IBM PC or clone with 286 or higher processor
- 1 MB memory required, additional recommended
- Hard disk, or 720K floppy drive
- Mouse recommended
- Microsoft windows 3.0 Standard or 386 enhanced mode.

List price: \$99.00
Street price; \$69.00.

Reference Software International
330 Townsend street, Suite 123,
San Francisco, CA 94107



PC-USA

VER 2.0

An Evaluation

by Ken Dully

SLO Bytes PCUG

Are you really ready for this? I am a map freak! So this sounded like a whole lot of enjoyment. Right? Wrong! Very wrong! In spite of the neat little words I'd read in magazines and an occasional review by a user group it falls short in many ways. But first, let's talk about some good points.

1. Easy loading, nothing to it really, (how true).
2. The opening graphics depicts our globe in a lovely topographical form. But that's the last truly attractive graphic you will see.
3. Let's see, did I mention cost? I guess you'd have to say the low price is a good point.

Why am I less than enthusiastic about this program?

The "Information Database" is weak in the knees. Let's look at California. A total of ten (10) cities are shown with no individual city data. Population information from 1985-6 is not my idea of anything remotely current. Education, Crime stats, and Medical data are also from the 80's file.

Economic, Commodity and Trade data had me wondering, too... Like, did you know that the Highest Average Annual Salaries in the good old District of Columbia (D.C.) is in MINING? I guess it's possible to consider our Congress as miners, they sure know how to get in our pockets,

and deep, too. Now when you jump over to Commodities, we find Mining at the bottom of the list with annual revenues of, \$ 0. So how does it rank 1st in the prior listing?

It was interesting to note that some states had more lawyers than jail-birds. Course, not all lawyers litigate criminal cases.



I played a few of the State "songs" but didn't find many I'd care to listen to more than once.

State History varied widely with only the briefest of notes for major years and events. Example: Pennsylvania showed 17 entries from 1645 to 1985, 82% were 1 liners!

Zip code information is exciting; if you know the 1st three digits the map will light up the State it belongs to. Ditto for area codes. Like our own 805 shows California. That's all folks, the whole State. No counties are shown.

Maybe I expected too much. When you punch up "The "Original 13 Colonies," it maps "current" states. But did you know that some of those colonies had boundaries that far exceed their current borders? So that data is non-informative in a truly geographical sense.

On a scale of 5 bytes I'd give this less than 1. Does anyone out there care to rebut? Let's boot it around . . .

PC Globe, Inc.
4700 South McClintock
Tempe, Arizona 85282
(602)730-9000

Editor's note: I had deep reservations about publishing this review due to its negative slant. However, Mr. Dully asked, "Does anyone out there care to rebut? Let's kick it around." So, your editor found someone to rebut, and next month we will see what the mystery writer has to say.

"New Kid on the Block"

by Jeff Spry

SLO Bytes PCUG

I found my way to the meeting room for "SLO Bytes Users Group." It wasn't quite what I expected. First of all, the auditorium was full of people talking to each other and the noise was almost deafening. The previous group I'd been in was quite small and very quiet.

I am not that good at moving into a group of strangers, something about my ethnic background, I guess. I sat down and looked around. Since I was at Cal Poly, I figured that there must be lots of professional people around, some indeed looked like professors, real brains, and my old fears surfaced. A couple of younger guys looked like programmers or engineers, so I expected some real esoteric discussions from everyone, and I'd be left out of it.

The meeting started and some very basic stuff was discussed. One of the "professors" asked a really elementary question, which was explained very easily and I relaxed. Its OK! I knew much more than I thought I did!

The next hurdle for me was to meet people -- another barrier to break down. This I deal with all the time, even though we have things in common. How do I start? "Hi! I'm Jeff, I have a 286 with a 40 meg. drive, what's your's." Hardly inspiring conversation is it?

There must be another way. I really want to network and to share ideas, so I've got to get involved. What better way for me, than to write an article for SLO Bytes and meet with other like-minded people at a writers' workshop. Its working for me. Just wait 'till I get my modem on line.

Editor's note: Jeff Spry has joined the writer's staff of HARD COPY. He has contributed two articles this month and is working on a review. Thanks, Jeff, for the contributions.

DR DOS 6.0

Operating System for Personal Computers

by Joan Van Zante,

Las Vegas PCUG, November 1991

I must say that if you want to double your hard drive capacity, gain speed in Windows 3.0 applications, have use of DOS applications and have the ability to multitask in a 286-PC environment with extended/expanded memory you must try DR DOS 6.0. All this can be done with 386 and 486 Pcs as well. It will even work with Novell NetWork systems by following the steps given in the Users Guide.

DR DOS 6.0 is a DOS operating system with the ability to compress your entire and/or designate a portion of your hard drive to virtually give you double the capacity on your hard drive. I had an 85 meg hard drive and after installing SSTOR (the program that compresses your hard drive), I had 167 meg of space. After installing SSTOR the computer is optimized and defragmented. This procedure took me 54 minutes to optimize and 42 minutes to defragment a 286-16 Mhz 85 meg hard drive. I'm sure it would be faster on a faster computer. SSTOR creates an additional drive that is used to swap files so when you execute a program it opens only the compressed files you will use. This is all done in the background and you are not even aware it is being done. If you use a program that has a file viewer, you are able to view each file immediately; there is no delay. I found when using Xtree Gold the bytes available showed roughly half of what I actually had available. It showed the uncompressed amount of bytes available not the compressed space.

A WORD OF WARNING

Once you install SSTOR there is absolutely no chance of reverting back to your previous version of DOS without literally reformatting your

hard drive. If you "Remove" SSTOR you will lose all data.

With DR DOS 6.0 and memory beyond 640K (the more the better) you are able to load TSRs, DOS, and even your BUFFERS into high memory. Also, an extremely nice feature is if you place a question mark in front of any statement in your config.sys, when you boot your computer you get the statement "Y/N" as an option to whether you choose to install that device at that time. On my computer I chose not to load "Memmax" and "Hidevice=Hidos.sys" when I run Windows. I reverse the yes and no when I want to run most every other application.

An example of an Autoexec.bat file:

```
@ECHO OFF
:DRDOSBEG
PATH=c:\jc:\drdos;c:\win;c:\win\aldus;c:\win\pm4;c:\win\word;e:c:\xtg;c:\utl\zip;c:\logo;c:\s80;c:\fe5
VERIFY OFF
PROMPT$e[1,33,44;m$D$_$T$H$H$H$H$H$H$X$X$P$G
SET TEMP=C:\DRDOS\TEMP
IF NOT "%TEMP%"=="MD %TEMP%
NUL
SET DRDOSCFG=C:\DRDOS\CFG
SET TEMP=C:\WIN\TEMP
DISKMAP C: D:
MEMMAX -U -L NUL
SUPERPCK /EM /R:864
copy c:\utl\zip\pkzip.exe e:
copy c:\utl\zip\uz.exe e:
copy c:\utl\zip\lha.exe e:
copy c:\xtg\xtg.exe e:
hiload c:\xtg.exe
:DRDOSEND
:DRDOSEXIT
SET WSWORK=C:\TEMP
SHARE
```

An example of a config.sys file:

```
SHELL=C:\COMMAND.COM C:\ /P
/E:640
BREAK=ON
HIBUFFERS=15
FILES=30
FASTOPEN=512
HISTORY=ON, 256, OFF,OFF,OFF
?COUNTRY=001,,C:\DRDOS\COUNTRY.SYS
?HIDEVICE=HIDOS.SYS
HIDOS=ON
```

```
DEVICE=C:\DRDOS\ANSI.SYS
HIDEVICE=C:\DRDOS\DISPLAY.SYS
CON=(VGA,,1)
HIDEVICE=C:\DRDOS\VDISK.SYS
2000 256 30 /E
HIDEVICE=C:\DRDOS\PCKWIN.SYS
HIDEVICE=C:\SSTORDRV.SYS
HIDEVICE=C:\DEVSWAP.COM
HIDEVICE=C:\DRDOS\M&T\MMOUSE.SYS /A9
?HIDEVICE:\HIMEM.SYS
?HIDEVICE=C:\WIN\SMARTDRV.SYS
2048 512
HIDEVICE=C:\WIN\VGA.SYS
```

The User Guide is very informative and well written. It has 666 pages and covers most every situation. There is only one thing I cannot emphasize enough which is you MUST READ THE USER GUIDE to achieve a successful installation. There are many factors that are dependent upon your knowing what you have and what you want. An example of what could happen if you do not READ FIRST is: If you install DR DOS and enable DELWATCH (a program which saves deleted files for recover) in your Autoexec.bat and then proceed to delete files to give yourself enough space to execute SSTOR, which requires 1.5 meg, the result will be as follows: you will not have any more space than before. This is because DELWATCH stores the deleted files in a totally hidden file which is called a "pending delete file." The files appear to be gone but they are still saved on your disk. Therefore, you have no more space on your hard disk than you had prior to deleting the files. BACK UP YOUR HARD DRIVE BEFORE INSTALLING DR DOS 6.0 AND READ THE USER GUIDE! There is an extensive error messages and troubleshooting chapter.

DR DOS 6.0 has a program called SUPER PC-KWIK DISK ACCELERATOR within it. This is a disk cache which is a collection of recently-used data from your disk, kept in RAM which dramatically speeds up the performance of your application.

DR Dos 6.0 will also work with Qualitas 386Max, Quarterdeck

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SLO Bytes Library

The library monster has been busy again this month scanning the deepest and dreariest places for the best in shareware. Here's some to add to your collection.

#471 BATCH UTILITIES: BATHINTS - hints on using batch files. **BATKIT50** - a good collection of batch utilities. **BATMNU13** - batch file menus with point & shoot windows. **SELECT** - select multiple boot up configurations from within AUTOEXEC. **SPARK129** - add a little sparkle to your batch files. **DOMENU13** - adds window menus to any batch file. **ERRLVL12** - display value of ERRORLEVEL (DOS 3.3-5.0). **RING** - ring console bell, optionally on error.

#472 SBE205U - Structured building estimator ver 2.05. Disk 1 of 2

#473 SBE205DOC - documentation for SBE. Disk 2 of 2. **FINAN10** - Financial Advisor ver 1.0.

#474 BUSINESS: CONTAC01 - Contact Manager. **CASHFL15** - keep track of your cash flow with this one.

#475 COMMUNICATIONS: **SZMOD160** - ZModem file transfer with 2 way chat. **THOST230** - Small, simple communications HOST program. **WHATL275** - use one phone line for modem, FAX & voice.

#476W WINDOWS 3.0 PROGRAMS: **EXPLOSV2** - Nice screen blanker for Windows or DOS. **SCPEAC12** - Screen Peace Windows screen blanker. **PS202** - Paintshop ver 2.02. This one is hot folks, get it! **GRABIT21** - screen capture program. See accompanying article on page 8.

UPDATES:

#436W - ROCKFORD ver 1.2 to 2.0
#439 - FONTER ver 4.0 to 4.1
#343 - SHEZ42 to SHEZ65
#354 - COPYQ226 to COPYQ228
#320-321 Qmodem 4.2F to 4.5TD
#404 - HYDK411 to HYDK431 - moved to disk #322 due to change in file size.
#470 - VED207 to VED31.

The Sines of the Zerodiac Your Technical Horoscope®

By Al Gorithm

Reproduced by permission of the author... The infamous and humorous Saint Silicon*

February 19 to March 20 Sign = PC's

You are a PCs, so everyone finds you attractive. You are modest, neat, a lover of order and completeness. You are submissive to others, but still have independent processing ability. Sometimes you byte off more than you can do. PCs are industrious and methodical and can be trusted with secret information as they are very closed moused. Your tendency so self indulgence may lead to a downfall, though, especially in complex social situations which require a great deal of networking.

Happy Birthday to the following PCs:

Robert Cabaniss 03/29
 Kathy Campbell 03/21
 James Childers 03/02
 John Ewing 03/30
 Charles Goldberg 03/07
 Harvey Hafer 03/23
 Gilbert Hoffman 03/19
 R.W. Kaneen 03/10
 Robert Kvalstad 03/05
 John Montague 03/17
 Mickey Muran 03/13
 Sam Powers 03/17
 Josh Richards 03/03
 Peter Sutherland 03/28
 Clyde Tacker 03/24

* ASCIIstrology comes from Jeffrey Armstrong's book, The Binary Bible, King Job's Perversion. If you want over 200 pages of laughter, all computer related, this book may be purchased for \$16.95 (includes shipping).

Saint Silicon
 1803 Mission Street., #174
 Santa Cruz, CA 95060
 (408)458-0213

FLOPPY DISKS 4-SALE at the meeting

DSDD 360K
 Formatted Floppy Disks
 with labels, tabs, and sleeves
 55 Cents Each

DSDD 360K
 Label Over Floppy Disks
 45 Cents Each

Generic High Density Disks
 5.25" X 1.2 MEG.
 70 Cents Each

Generic 3.5" X 720K
 Formatted Floppy Disks
 70 Cents Each

New Library Disks
 90 Cents Each

All Disks fully guaranteed against defects.

Calendar

- | | |
|--------------------|---|
| March 1st | Instant Office, contact management software by David Dilworth |
| April 5th | XTree |
| May 2nd | Reference Software. Grammatik V and Websters Dictionary |
| June 7th | Wordperfect for Windows by Lee Tarbet Local rep. |
| July 5th | Kathy Campbell will demonstrate Quicken for Windows |
| October 4th | Corel Systems' Traci Gonzales will demonstrate Corel Draw |

Bits n' Bytes

This coming month...

This coming month David Dilworth, from Dilworth Software will demonstrate Instant Office, a top rated contact management program for business. The program is both easy to use and has a wide variety of features including the ability to integrate with most wordprocessors and FAX boards. Mr. Dilworth will also give the audience a sneak preview of new software not yet released. For club members who attend the meeting there will be a special purchase price of \$99.00. The normal retail price is \$295.00 for this software.

New SIG Starting

This coming month we will be starting a new SIG (special interest group). Actually, more than a SIG it is a class for VERY NEW users. If you just joined the club then you received a new members' manual. In it, there is a brief list of all the DOS commands one needs to get that new computer up and running. Bob Hunt has volunteered (or is that... has been volunteered) to conduct a class which will use your manual as the text book. Over a period of 3 months he will cover in detail the DOS commands found in your book; so bring it with you. This will take two meetings with the third meeting month devoted to hard disk management. If you can't make the first meeting, don't worry about it. Come when you can. As long as you come for three months in a row you will be exposed to all the material covered.

The meeting will coincide with George's early meeting and start at 1 pm sharp. I haven't decided where to hold the meeting yet. A note on the door of Fisher 286 will give directions.

If you are proficient in using your computer this group will be too elementary for your needs, in which case you should go to George's early meeting in Fisher 286.

If you need information on the neophyte SIG contact Bob Hunt at 461- 1444. This is a new phone number for him so please make note of it.

Hard Drives and Interface Cards

Larry Fox

SLO Bytes PCUG

Oh! it is a beautiful morning and that first cup of coffee tastes good. Well, time to get to work, so we set down to the old trusty PC and turn it on. The monitor lights up and tells us our hard drive has passed on to the Great PC junk box.

No problem, we grab our good old mail order catalog and look up hard drives and turn to the page indicated. We see all these hard drives on the page, lots of them but what does MFM-RLL-ARLL-ESDI-SCSI-IDE mean?

Here's a little information that could be helpful if that day ever arrives.

MFM (Modified Frequency Modulation) the oldest of the interface types and the slowest. Operates at a transfer rate of about 5 megabits per second (MBPS). It allows only 17 sectors of data per track. MFM commonly supports drives of about 40-80MB, at a cost of about \$6.86 per MB for the larger 80MB drive.

RLL (Run Length Limited) allows a higher number of sectors per track (26) and a transfer rate of about 7.5 MBPS. Supports drives up to 60 MB, At a cost of about \$5.32 per MB for the 60 MB drive.

ARLL (Advanced Run Length Limited) also known as ERLL (Enhanced RLL) compresses data at a rate of 75% more than MFM and about 25% more than RLL. Data transfer for this interface is about 9.3 MBPS. Good luck on finding one of these.

ESDI (Enhanced Small Device Interface) increases data storage to 34 sectors per track and has a transfer rate of about 10 MBPS. The speed of this interface card makes large capacity drives run at speeds exceeding many small drives. Supports drives up to 660 MB for about \$2.65 per MB for the largest drives.

SCSI (Small Computer System Interface) one of the main features of this interface is its ability to control up to seven devices on the same controller card. It also allows a 32 MBPS rate of transfer. Supports drives of up to 1354 MB at a cost of about \$2.07 per MB with the larger drives. This is definitely your choice if you plan to expand your system with a CD-Rom and/or a tape drive backup system.

IDE (Integrated Drive Electronics) is the newest type of interface on the market. This interface sends approximately 16 MBPS and has a theoretical speed of about 12 times faster than the MFM. Supports drives up to 400 MB at a cost of about \$3.35 a MB for a 340 MB drive. This is the most common interface on the market today for small computers. There has been some incompatibility problems in systems with existing non IDE interfaces.

Now that we have a little information about hard drive interfaces we can have more insight as to what we want to do if our hard drive retires and needs to be replaced.

Editor's note: Larry Fox has joined HARD COPY's writers staff, with this, the first, of some very helpful articles. Larry said there are more articles in the making.

Writer's Workshop

News update

As you read SLO Bytes PCUG's HARD COPY you will notice that it is taking on some new authors. I believe this change is coming about because of the Writer's Workshop. Several have attended the shop and by doing so have gained an inspiration to join the list of contributors.

You will notice both articles and reviews. Some are stories, narratives, reviews and news items. All types of entries are welcome.

We do insist that new writers attend the workshop. Our contributors are finding the experience to be very rewarding: names in the paper, free software, etc.



DR DOS 6.0

QEMM.386 and Quarterdeck QRAM (with Intel Aboveboard).

MEMORYMAX is a collection of device drivers and commands that are used for memory management under DR DOS 6.0. If you execute MEM/A/P at the C: you will see the addresses and a map of your hard drive graphically. It will show conventional, low, high and extended memory within the map.

VIEWMAX is a program that comes with DR DOS 6.0 and is an icon-based graphical user interface (GUI). It is a cross between Windows and a Macintosh layout. The main screen contains windows, folders, icons and a tree. This program allows you to manage your hard drive and give you the option of password protection. It runs with a mouse or keyboard. You can change the size of the windows and move a scroll bar to view more. This particular program has its own User Guide to visually show you how to move around. The guide is well written and easy to understand.

DOSBOOK is an application that gives you information on DR DOS basics, commands and troubleshooting. It is quite extensive and very informative. It is basically a tutorial and quick help reference.

There is an application called CODE PAGE SWITCHING which is used to, 1. "write documents which are to be used on a computer in a different country," 2. "receive foreign language documents in which some letters become unintelligible characters when displayed or printed" and 3. "Use an application that is difficult to read on the screen because some graphics characters, such as boxes, appear as letters." There is also a nice table of Character Sets For Code Pages in decimal and hex values.

The application within DR DOS 6.0 called FILELINK is a communications program for transferring files from one computer to another (Master and Slave). I wasn't able to

try it out because it only works with another system having FILELINK on it.

I have even tried installing DR DOS 6.0 on an 8088 laptop with a 20 meg hard drive, CGA/LCD screen and only 640K RAM with success. Obviously, because I do not have extended/expanded memory, I cannot load all the wonderful applications DR DOS has to offer but I did achieve 41 megs of space to allow me to put more program on it. The installation with optimizing and defragmenting took an extremely long time but was well worth it.

DR DOS 6.0

Digital Research, Inc.
70 Garden Court Monterey, CA 93942
(408) 649-3896
\$99

February

"garage", George noted that although the components were comparable with those used by name brand companies, the printed circuit boards are not always of the highest quality, as used by the local manufacturers in their "garages". After sales service is important, money saved by buying the off-brand, might prove to be costly if anything goes wrong.

After the coffee break we had a presentation of ObjectVision by a dynamic duo from Borland International. This is a visual Windows application generator for databases. No more writing lines of code to get the job done. This is one more step in the direction of user friendly software. The folks at Borland have sure done a good job once again.

At the end of the demo several lucky members became owners of software generously donated by Borland.

Attendance at the meeting gets better all the time. We are almost at standing room only, thanks to George, Bob and the many helpers.

Jeff Spry

\$\$\$ FOR SALE \$\$\$

The following items which were so generously given to SLO Bytes PCUG by Computerland are for sale:

Epson Equity LT 1200 baud internal modem cartridge - \$15
Epson Multimode mono/color graphics adaptor(2) - \$8 ea
Function Key templates (2) for WP 4.1 - \$2 ea
Sidekick Plus - \$10

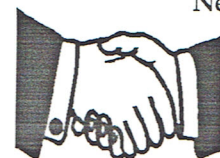
We have a large number of printer ribbons donated for sale by Lynn Boisen. All ribbons are \$1.00 each:

Diablo Hytype II M/S (10)
Okidata Microline 182/192 (5)
Epson LQ 1500 Nylon (6)
Texas Instruments 850/855 (6)

For any of the above items call Bob Ward. See page 9 for phone numbers.

••• WANTED •••

Bob Hunt is looking for a TEAC 1.2 meg X 5.25" floppy drive that does not work for swapping parts. Call 461-1444

**New Members**

A large group of new recruits joined us this past month. WELCOME one and all. We hope we can help you as you will help us with our computers.

Bob Adamson	543-5957
Maxine Bickham	461-0794
Betty Boyce	937-4353
Gilbert Brown	595-7137
James & Char	
Bruzenatz	528-3299
Larry Fox	238-0569
Bernease Garry	528-2350
Louis Holden	927-4961
George Humphrey	466-4348
Dorothy McCoid	489-8764
Donald Morgan	543-6241
Thomas Morris	928-5479
Rick Snyder	489-7709
Tony Spinelli	773-0868
James Willey	544-7716

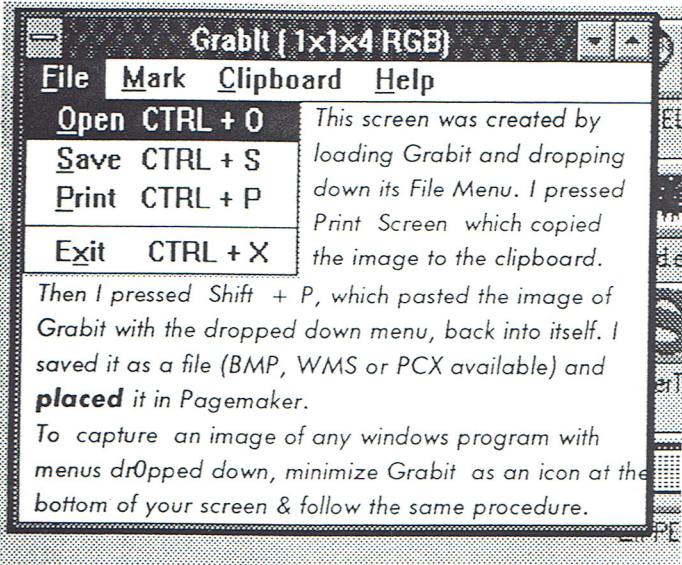
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The Personal Computer Club of Toronto

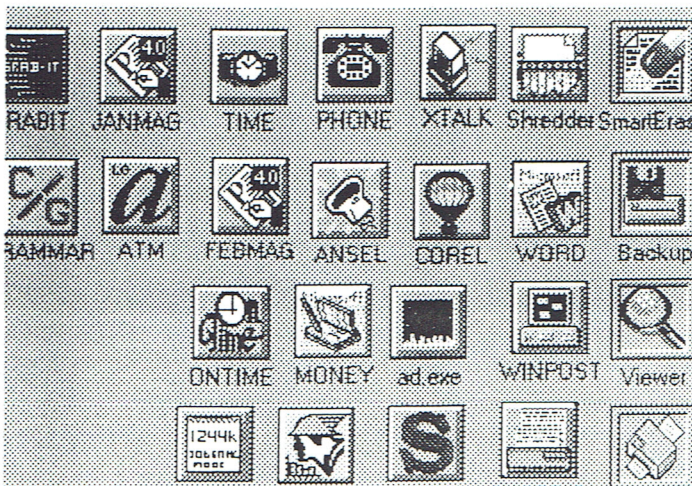
A truly wysiwyg message ...

by Joan Latchford

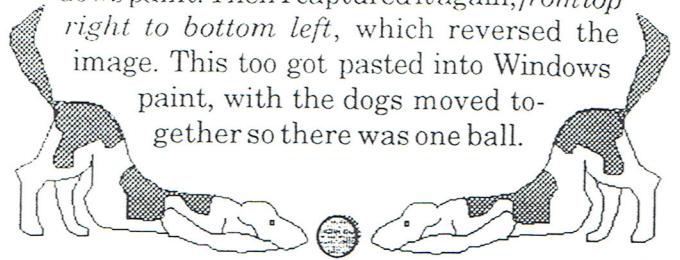
Every so often I come across a niche Shareware program I want to applaud. Grabit, a Windows screen capture merits three curtain calls. I'd like to show you what can be done with Grabit Software!



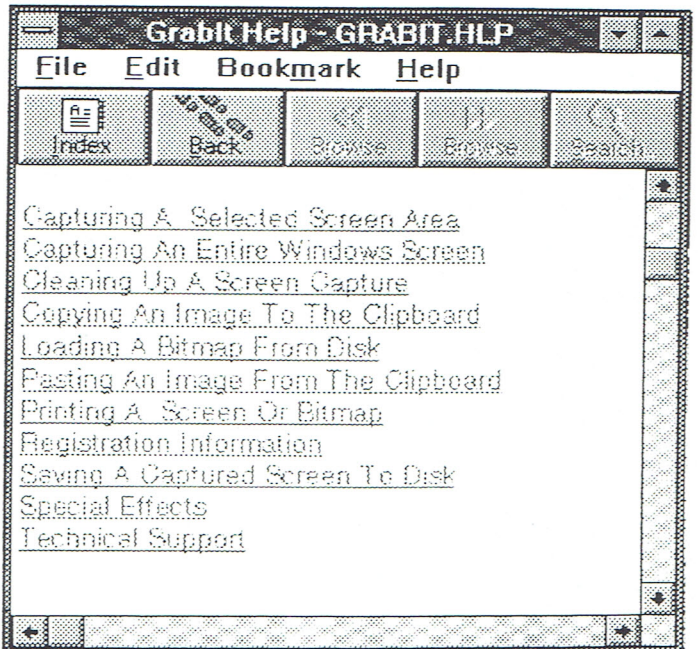
For an ordinary screen capture, click on Grabit's **Mark** menu. Your cursor changes to cross hairs which you draw from upper left to bottom right.. Area selected appears in inverse video. Click on Clipboard. Image appears in Grabit's client screen. You can save, print or paste into any other open application. I just **pasted** the image of Norton Desktop icons into Pagemaker.



This is really only one playful dog which I drew freehand in Corel Draw. First I captured in to Grabit by drawing the cross hair cursor from top left to bottom right, sent it to the clipboard and pasted it into Windows paint. Then I captured it again, from top right to bottom left, which reversed the image. This too got pasted into Windows paint, with the dogs moved together so there was one ball.



Grabit's documentation is contained in its Help Screens which follow all the Windows conventions. Items written in green have hypertext functions which refer you to other related screens.



158,394 byte Tif File



9,374 byte Tif File

The same picture scanned in 16 shades of grey in Ansel software. Left, saved as a Tif file from Ansel, right, copied from Ansel to the clipboard, pasted into Grabit and saved as a Tif file via Grabit, for a saving of 149020 bytes of hard disk space.

From: Moon Valley Software, 107 East Paradise Lane, Phoenix, AZ 85022. Phone (602) 375-9502

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.

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Direct all correspondence to Bob Ward, 2100 Andre Ave., Los Osos, CA. 93402. Call (805)756-2164 M-F 7:30am - 4:30 pm and (805)528-0121 all other times.

Editor: Jim Bigelow
1515 Kiler Canyon Road
Paso Robles, CA 93446
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 - 2:15 pm.

Q&A 1 SIG - F.H. 286

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

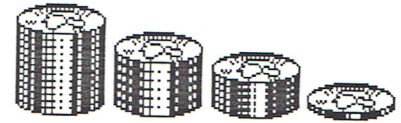
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SYSOPS:
Bob Ward
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All Welcome - 24 Hours



Treasurer's Report

SLO Bytes PCUG

Expenditures February, 1992

Beginning Balance:	+2537.65
Expenses:	
BBS phone installation	- 48.14
Hard disk BBS	- 569.00
Diskettes	- 528.00
Coffee Pot/Soda	- 129.90
Newsletter 01/22/92	- 116.80
XT Computer	- 200.00
To petty cash	- 63.55
	=====
	-1655.39
Deposit 02/03/92	+846.60
	=====
	+846.60
Balance 02/03/92	+1728.86

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