

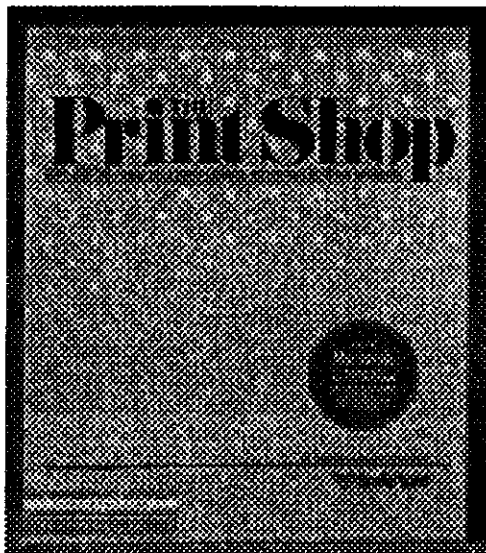
README.DOC

OCTOBER 1992

ORANGE COAST IBM PC USER GROUP

VERSION 8.10

SATURDAY, OCTOBER 31, 9:00 A.M.



Broderbund®

DETAILS
INSIDE ON
PAGE 5

MEDIA VISION

THIS ISSUE

GENERAL MEETING REPORT - SEPTEMBER	1	INTRODUCTION TO PROGRAMMING	10
ABCS OF THE BBS	2	HERB'S HANGOUT	12
TECH TIPS	3	OCIPUG SUPPORT GROUP	14
GRAMMATICALLY SPEAKING...	4	BATCH FILE BASICS	16
OCTOBER GENERAL MEETING	5	SIG REPORTS	18
OCIPUG ELECTION CAMPAIGN STATEMENTS	6		

README.DOC is published monthly by the ORANGE COAST IBM PC USER GROUP, P. O. Box 6100-211, Costa Mesa, CA 92628. The group's recorded message number is (714) 843-2048.

IBM is a registered trademark of the INTERNATIONAL BUSINESS MACHINES CORPORATION. Neither the User Group nor README.DOC is connected with IBM in any way.

ORANGE COAST IBM PC USER GROUP, contributors and editors of README.DOC do not assume any liability for damages arising out of the publication or non-publication of any advertisement, article, editorial, or any other item in this newsletter. All opinions expressed herein are those of the individual authors only and do not necessarily represent the opinions of the ORANGE COAST IBM PC USER GROUP, its officers, Board of Directors, the README.DOC newsletter, or its Editors.

README.DOC, Copyright© 1992 is a publication of the ORANGE COAST IBM PC USER GROUP. Unless otherwise noted, other nonprofit user groups may reprint without prior permission any of the articles appearing in this newsletter, provided that proper author, title and publication credits are given.

ADVERTISING POLICY

Members are allowed to place an advertisement for personal items in the README.DOC newsletter at no cost. There will be a limit to the amount of advertising placed in the newsletter. All submissions will be placed on a first come, first served basis.

Commercial advertisements, from members and others, are also welcome. For information concerning advertising rates and requirements, contact:

Sunny Lockie,
Publisher, README.DOC
OCIPUG
2431 Bamboo Street
Newport Beach, CA 92660

PURPOSE STATEMENT

The purpose of the ORANGE COAST IBM PC USER GROUP is to provide a forum for members to share information and experiences that will help other members obtain maximum benefit and enjoyment from the use of their IBM PC and compatible personal computers.

TRADEMARKS

The mention of the names of various products in this publication without indication of Trademark or Registered Trade Mark status does not imply that these products are not so protected by law.

ADVERTISING RATES

Full Page	\$ 150.00
Half Page	\$ 85.00
Quarter Page	\$ 50.00
Business Card	\$ 25.00

README.DOC NEWSLETTER STAFF

Publisher	Sunny Lockie	644-0103
Editor	Jean Stevens	644-1017
SIG Guide Editor	Walt Strong	557-7008
Advertising Manager		
Past Editor:	Tom Sutro	1985-1987
Past Publishers:	Steven Dela	1987-1989
	Stephen Burnside	1989-1990

CONTRIBUTORS

Neil Carman	Herb Huey
Robin Clark	Robert Ottke
Clark & Harkins	Wendy Sarrett
Terry Currier	Jeff Sinn
William Domingo	Walt Strong
Harv Haight	Michael Springer
Preston Hill	Audrey Wolden

PRODUCTION

Sunny Lockie
Walt Strong

DISTRIBUTION

Stacy Lockie
Greg Lockie

Camera ready copy produced with:

80486-33	HP Scanjet IIC
HP LaserJet III	Ventura Publisher 4.0
Pacific Page Postscript 4.1 XL	Corel Draw 3.0
WordStar 6.0	Publishers Paintbrush

Printing by Champion Graphics, Santa Ana.

README.DOC is published monthly. A subscription is included with all paid memberships in the Orange Coast IBM PC Users Group.

Address all inquiries and address changes to:
README.DOC, P. O. Box 6100-211
Costa Mesa, CA 92628

GUIDELINES FOR README.DOC ARTICLE SUBMISSIONS

All items submitted for publication are subject to editing. We reserve the right to refuse any material submitted for publication.

Send all submissions to the Editor, on or before the deadline listed below, using one of the following formats:

1. **UPLOAD** to the Bulletin Board in ASCII text format.

2. **5 1/4" DISK** mailed to the Editor in time to meet the deadline: P. O. Box 8224, Newport Beach, CA 92658.

DEADLINE FOR ALL SUBMISSIONS WILL ALWAYS BE 12 MIDNIGHT ON THE SATURDAY FOLLOWING THE GENERAL MEETING.

GENERAL MEETING

September Report

Harv Haight

Prior to the 91st General Meeting of OCIPUG on September 26th, Past-President John Goodman chaired a lively Random Access, with many inputs from the audience, in an auditorium packed as a result of publicity about Microsoft's planned demo of WINDOWS NT.

After a formal opening at 9:02 by Terry Currier, Director and Program Committee Chairman, John Goodman (as Chairman of the Nominating Committee) announced the following nominations: President, Max Lockie; Vice-President, Bob Ottke; Secretary, Audrey Wolden; Treasurer, Linda Fox or Preston Hill; Directors—Ginger Buck, Jim Fort, Paul Fuller, Stan Sabin, Wendy Sarrett (four to be elected). Nominations were accepted and the process closed by voice vote; bylaws prevent write-in candidates or modified nominations at the time of voting (next meeting).

Bill Gross, President of Knowledge Adventure, was scheduled to demo his KNOWLEDGE ADVENTURE; Gary Ward substituted for him. This multimedia program and its two successors have been called *interactive books* by Jerry Pournelle in his BYTE column of October, 1992 (he recommends them). The successors are SCIENCE ADVENTURE (featuring the late Isaac Asimov) and SPACE ADVENTURES (featuring Buzz Aldrin).

All three programs run in WINDOWS but are DOS-based. They require an 80286 machine or better, with a 256-color VGA monitor and at least 8 MB of available hard drive. They'd need more, perhaps require a CD-ROM, were it not for

a proprietary compress/decompress format transparent to the user, a technique similar to that used by IIT's XTRADRIVE program, rather than that used by Stac's STACKER. All three are essentially databases of text, picture, and sound, linked together. As with other multimedia, the built-in speaker works but sounds tinny compared to sound from external speakers. Each program features interactively a small globe, a text window, a navigation window, a time line, and a large picture window. KNOWLEDGE ADVENTURE covers art, history, science, literature, architecture, nature, and music. SCIENCE ADVENTURE covers math, physics, chemistry, life, technology, earth and ecology, and space. With movies, simulations, and popup notes, much of SPACE ADVENTURE is strictly out of this world!

After a ten-minute break and SIG announcements, Microsoft's Ty Carlson, Program Manager of the WIN-NT Technical Resource Group, gave us the first user group presentation of Microsoft's WINDOWS NT (some three years in development, having over 3 million lines of C and C++ programming). Much of his preliminary talk and slides obviously originated in Marketing, but they made clear Microsoft's intent in creating WINDOWS NT. Notes were difficult to take on the run, and Microsoft supplied no supplemental literature, but in BYTE (October 1992, pp 167-178) technical editor Jon Udell has covered the same ground in exhaustive detail. Technical details which follow use his arti-

cle as a ultimate source; OCIPUG techies should peruse this.

The NT microkernel adapts to any CPU and hosts 16- or 32-bit DOS, 16-bit WINDOWS, 16-bit OS/2 (character mode and 80X86 only), POSIX, and the 32-bit WIN-32 (a hybrid of WINDOWS and OS/2). Because of WIN-32, WINDOWS 3.1 applications port readily to NT.

WINDOWS NT layers a group of operating system emulators over a common set of services controlled by an executive manager. The NT microkernel takes up only 60 KB of RAM, but the full NT system requires 12 MB RAM and prefers 16 MB. Carlson called out as a minimum platform a 386DX25 with a 100-MB fast hard drive (minimum of 44 MB for all possible files). The NT kernel sees a consistent view of underlying hardware because of a hardware abstraction layer (HAL). The HAL makes each machine system bus, DMA controller, interrupt control, system timer, and memory manager look the same to the kernel. A standard HAL exists for a 386/486 AT-bus single processor system and another for R4000 uniprocessors. Hardware manufacturers such as Compaq, NCR, and Wyse have formulated proprietary HALs for NT. The kernel itself cannot be paged or preempted but manages scheduling and context switching, exception and interrupt handling, and multiprocessor synchronization.

The WIN-32 Software Development Kit is now shipping and should enable developers to begin targeting

Continued on Page 20...



of the BBS

Bob Ottke

Well, summer is over, and I should have something brand new and stimulating to start the fall season. Soon (we hope) it will be raining and we will all be spending more time at the console, and calling all those bulletin boards for the latest shareware. The question that I hear most often is:

**WHY CAN'T I GET ON THE
&#x2a;#x26;#x2e;#x26;# BBS?**

All the answers to that question are available in the documentation of your communications program and your modem. Almost always, the problem arises from some fault in the setup of one or the other. There are several other articles on the BBS (NEWUSER.DOC), and Patrick Chen's excellent article on "What You Need to Know About Modems," on the BBS as MODEMV11.ZIP.

First of all, you should take the time to configure your comm program very carefully, and be sure that your modem is properly set to the right COMM Port. When you bring up the first screen (mostly blank) of your comm program, you should be able to type AT <CR>, and the screen should respond OK. That tells you immediately that your machine is talking to the modem. If you don't get that response, try changing the comm port. You will probably be running either Comm 1 or Comm 2.

If you can't get that OK on either port, check all your connections again, and make sure that everything is plugged in where it belongs.

To avoid connection problems, you should be running on as clean a line as possible. No need to disconnect everything at this point, though. If you have CALL WAITING, be sure it is disabled; an incoming call will disconnect you from the BBS in a hurry. If you are in PacBell, just insert *70 before the number you are dialing; in GTE area, insert 70#. Call waiting will be automatically restored when you hang up.

Try a manual dial through your comm program and see if you can get a CONNECT at the best speed of your modem. Now you're online, and ready to exchange messages and download some of that great shareware. This is where a lot of the problems start! Now, remember, there are lots of ways of doing things, so if you are successful with another procedure, stick with it.

In your CONFIG.SYS, you should have a line which reads something like this: DEVICE=C:\DOS\ANSI.SYS. If it is not there, add it. Some BBSs do not require it, but many do, and it doesn't hurt a thing in your machine. In your comm program, be sure that you have set Terminal Emulation to ANSI; it probably defaults there, but

check to be sure. Just about every BBS that you call will be using 8-N-1 Full Duplex. We won't go into the details of that right now. Just set things up that way in your comm program. If things are set correctly, you should be getting something readable on your screen, and you should be able to work your way through the menus, questionnaires, etc., and get logged on. If you've made it this far, you should be able to read and enter messages without a problem. Navigating around the BBS will probably be different for every one you call, depending on how the SysOp has set it up. There are more similarities than differences, though, so a little practice should make things easy.

When setting up your preferences on the BBS, you will probably be asked to select a protocol. There are many of them. If your comm program supports it, I suggest Zmodem, and turn ON Crash Recovery. If your program doesn't support Zmodem, try Ymodem instead. You should set up your comm program to default to the same protocol, so you and the BBS will be speaking the same language. Without that compatibility, you will not be able to download.

So now you want to download some files. Your comm program must be set up to receive

Continued on Page 20...

TECHTIPS

Harv Haight

Those members who haven't taken the case off their computers have a surprise in store. You'll find dust and dirt over everything, the amount dependent upon how long you've had it. But **DON'T** turn the opened unit upside down and tap the case! And **DON'T** take a brush and start swishing it around! **DON'T** even poke the flex hose of your vacuum cleaner inside! Each of these actions can result in problems perhaps beyond any limited repair skills.

The computer store seems to have answers. You can get a handy-dandy battery-operated vacuum cleaner with miniature brush for ten bucks or so. Or you can buy canned air, which isn't air, but instead a propellant gas generated from the enclosed liquid. The liquid used to be Freon, but the ozone layer depletion banished its use. And it, too, will cost mucho dinero.

Don't toss your bills away on such frivolities! If you have a tank vacuum cleaner with suitable attachments, hook up the slotted wand to the **PRESSURE** outlet. But first, change the bag to a fresh one. Don't bypass this—you might end up worse off than before. And then blow air through the nozzle for a minute or two, to clean the hose.

Take the opened computer and its case to the back porch or any protected spot outside. **DON'T** try to clean it inside the house. God knows what may have accumulated: mites, pollen, or other nasties may have been drawn into the case. With the vacuum blowing air through the nozzle, **BLOW** dust and debris free. You'll find that blowing the keyboard will free sticking keys too. It works wonders for 9-pin or 24-pin printers too (remove the tape first), but **DON'T** try it with a LaserJet (**DISASTER!**).

I get to clean any computer I may troubleshoot in local school systems. My wife shakes her head at how I do it (after 48 years of marital bliss she can expect anything, I guess). I bought a Toro 300 **AIR RAKE**, a lightweight electric lawn blower. The tip comes off to leave a very compact and quite efficient blower. No filter, no line cord (any extension plugs in). It's noisy but quick, and so far it's worked wonders on more than a score of filthy oldies. I got it at Home Depot in Santa Ana for \$34.94 plus tax.

You must be sure that all connectors are firmly seated after

cleaning with an air stream. It shouldn't affect anything else. On monitors, I place the nozzle flush against the slotted openings, without opening the case. With no fans inside the monitor, this suffices.

Air temperature is usually about five to six degrees Fahrenheit above surroundings, but I wouldn't suggest using the **AIR RAKE** to fluff your hair. It does a fair job, however, of cleaning the car out, or of shuttling leaves over to the neighbor or to the street. It even scares tomcats otherwise reluctant to leave. ■



A a B b C c D d E e F f G g H h I i J j K k L l M m N n

Grammatically Speaking...

By Robin A. Clark

Ah, grammar checkers. Ya gotta love 'em.

You know what I mean—the tool that's supposed to make your writing sparkle with grammatical greatness. The tool that examines every sentence you write and proceeds to tell you how you should have written it, had you wanted to satisfy your eighth-grade English teacher.

Well, I have one. And I tried it. And let me tell you, watching a grammar checker work is more laughs than setting a sheepdog loose at a cat show. Let's face it—no matter how smart computers have become, they really don't hold a candle to the human brain (well, most human brains, but I'll state the rule and not the exceptions). To work properly, a grammar checker would have to be able to read your mind, or at least think like you in order to know what you meant. Right? And if a computer could read my mind, it would probably become a raving lunatic.

So, as far as I'm concerned, grammar checkers have come on the computer scene about fifty years too early. Nonetheless, I tried one on an article.

The grammar checker I happen

to own is the one that comes with Microsoft Word for Windows (not the best one around, I've heard, but certainly the cheapest, since it's bundled free with Word). You can tell it what rules to follow—strict, business or casual. And you can set specific grammatical items on or off. For example, you can tell it to ignore passive constructions or wordy expressions. I set the checker for casual, but left all the customized settings to their defaults (so that it would check under what it considered *casual* rules), then fired it up to see what would happen.

We didn't get far. The first phrase it stopped on was the title, *It's a Sticky Life, but Someone's Gotta Live It*. The suggested changes turned this title into *It's a Sticky Life, but Salmon's Got To Live It*. Now, I don't know anyone named Salmon, and even if I did, I probably wouldn't write an article about him or her living a sticky life. But since it seemed important to the grammar checker, I let it make the change and forged on. The next word the checker objected to was *hmmm*, and it suggested that perhaps *hg* would be a more appropriate substitution. *Hg*...no, it doesn't really have the same ring.

Each and every one holds a wealth of... was changed to *each and every one hold a wealth of...* and *so are we* was changed to *so is we*. Now my grammar may suffer at times (deliberately, I assure you) but never that badly. I is pretty certain that *so is we ain't* in the least grammatick. But the grammar checker insisted, so I made the change.

Next, *shareware* became *shrewder* (or, alternately, *carefree*) and *resize* was changed to *recess*, which I was considering taking at this point. And *gotta*—well, it said that I just gotta stop using that word.

Passive constructions were pointed out by the handful, which was very helpful, and a couple of typos were caught, too.

About halfway through the article, a run-on sentence finally gave the grammar checker a nervous breakdown. At least, I think that's what happened. The dialog box went back and forth from the first part of the sentence to the last part, back and forth, begging me to stop beginning sentences with *and* and *but* until I finally took pity and shut the whole thing down.

At least the first half of my article had been checked, and what an article it turned out to be. All about Salmon, who has a tendency to go around saying *hg*... and living the sticky life while he runs *shrewderware* on his computer.

Not quite the article I set out to write, but entertaining, just the same.

So one important thing to remember about grammar checkers is that they don't. Not very well, anyway. And another important thing about them is that...*hg*... well...guess I'll have to think about it. Anyway, I don't think I'll be using one for a long time, although you never know. Check with me again in about fifty years. ■

OCTOBER GENERAL MEETING

Terry Currier

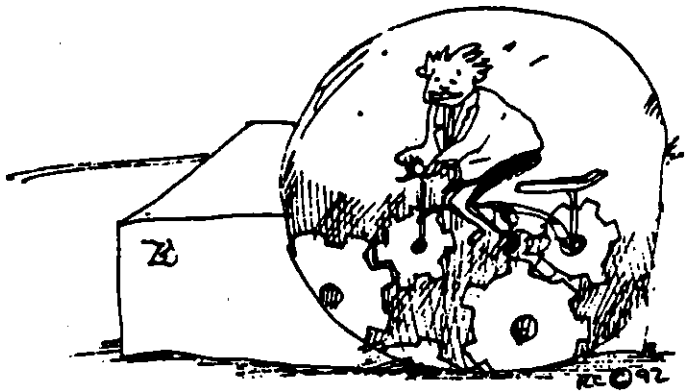
Coming to our October meeting will be Chuck Buelow from Media Vision. Media Vision has a line of sound cards: The Thunder Board, and ProAudio Spectrum Card. They also have a Videocard that has built-in sound card capabilities. For the Multimedia groupies they have a Multimedia PC upgrade kit.

Paul Parker from Broderbund will be our second presenter. He's going to show the new Deluxe PrintShop for 386 and above computers. It looks great and the jagged printing is gone. He will also show us the new Carmen Sandiego game and other games, as well.

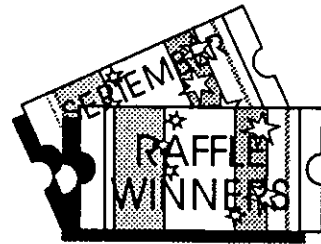
We would also like to take a group picture of our members at this meeting, we haven't done that for a number of years. We will have some good prizes to give away so come on and smile for us. If you can take good pictures we need a volunteer to take the photograph, please call me (714) 774-2018. ■

*The Program Committee will meet
at 1:30 p.m. at the SIG space after
the General Meeting.*

COMPUTIMES by Clark & Harkins



How the power supply works.



KNOWLEDGE ADVENTURE

Tracy Timmons
Oliver Black
Audrey Wolden

MICROSOFT

Golf
Michael Wilson
Ronald Wilson
George McCauley
Dan Takasregi
Entertainment Pack
Brad Kreko
James Farnsley
John Maness
Word for Windows
Bob Basaraba

PRODUCTS FOR REVIEW

Jean Stevens, Editor

The products listed below are available for review by Club members. If you would like to be a reviewer for any of these products, or want more information, please give me a call at 644-1017.

The ground rules are that the reviewers are required to write a minimum 300 word review for README.DOC within thirty days of receiving the product. Upon receipt of a satisfactory review, the product then becomes yours to keep, subject to the manufacturer's license agreement, restrictions and limitations. These are complete applications with documentation, not demo disks.

SOFTWARE:

Paradox 4.0 - DOS Upgrade for this relational database application.

OCIPUG ELECTION CAMPAIGN STATEMENTS



FOR PRESIDENT Max Lockie

I am very honored to be nominated for the office of President of OCIPUG. My background includes an Electrical Engineering degree from Syracuse University. All the jobs I have held since graduation have focused around systems that have included computers of all sizes. I will work for the continued growth of the General Meetings and SIGs.



FOR VICE-PRESIDENT Bob Ottke

Over the last few years, OCIPUG has given me much more than I can ever return! All the generous and sincere help that I have received from those who know so much more than I, has made my enjoyment and productivity of computer work much greater. Whatever way I can be of help and service to OCIPUG, I am available.

FOR SECRETARY Audrey Wolden

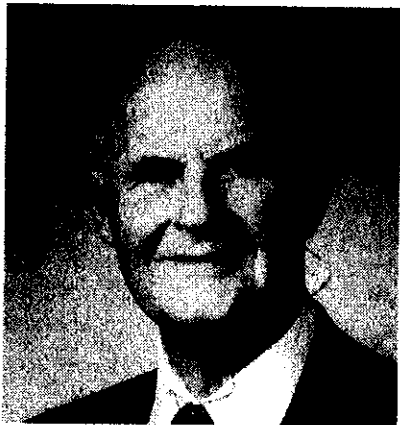
Some years ago I stared at the C: prompt on the blank screen before me, wondering how to proceed. OCIPUG and its SIGs came to my rescue then, as they have so often since. This is such a great group. I want to help out in any way I can.



ELECTION '92

FOR TREASURER Linda Fox

I've worked in the accounting field since 1973, in public accounting then in the private sector as a Controller. I've also been a member of the American Society of Women Accountants since 1981. As an OCIPUG member for over three years I've derived countless benefits from SIGs and General Meetings. I feel it's time to give something back and working as the Club's Treasurer will give me that opportunity.



FOR TREASURER Preston Hill

I want to serve OCIPUG for another year as TREASURER. I have used QUICKEN to develop categories and classes that simplify preparing the monthly Treasurer's report for the Board and README.DOC. My QUICKEN simplifies preparing annual Federal and State tax returns as well as alerting for future bills due.

FOR DIRECTOR (four positions open)

Ginger Buck

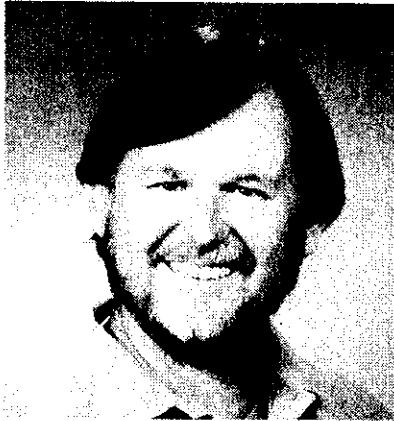
As a novice, I joined OCIPUG at my first General Meeting. What a wise move! Four months later, I became Secretary. Two years of serving in this capacity have given me invaluable experience and insight into the needs of our Club. I came, I saw and I VOLUNTEERED! Put your vote where it counts—for someone who really cares about your Club!

Jim Fort

As a member of the Board, I will work to continue building on the excellent foundations already established. Increasing our membership and its participation, and increasing the opportunities for the meaningful exchange of ideas and information are very important areas, and newer, less knowledgeable members need strong representation in them.



ELECTION '92



Paul Fuller

OCIPUG has given me information, laughs, new ideas, help, and many new friends. I look forward to the opportunity to give something back as a Director. As a professional educator, I would like to have our club become more user friendly to respond to the needs of the beginner and intermediate user.



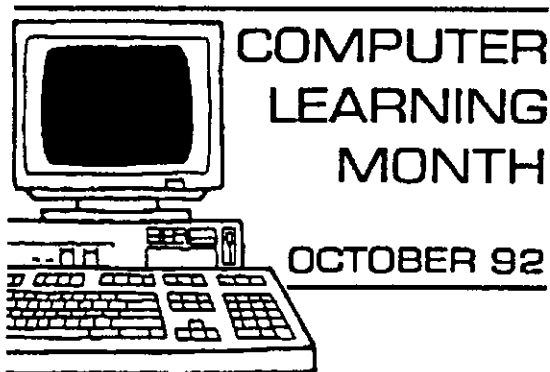
Stan Sabin

Stan Sabin, OCIPUG President 1986-1988. During his presidency the club grew from approximately 275 to 900. He started the WordPerfect, Real Estate, Genealogy & AmiPro SIGS.



Wendy Sarrett

Hello! My name is Wendy Sarrett and I am running for Director. I have been a member for over two years and programming SIG leader for nearly that long. In addition I write a regular column on programming. My goal is to make OCIPUG an even more valuable information resource than it already is.



The best word processor for Windows is by Lotus. Says who?

Advanced Word Processors for Windows	
	Overall Evaluation
1ST Ami Pro 3.0 for Windows	8.7
2ND Word for Windows 2.0	8.1
3RD WordPerfect 5.1 for Windows	6.1

The most respected and objective evaluator in the software industry, that's who. Their conclusion? "Lotus® Ami Pro® 3.0 offers an unbeatable combination of peerless usability, top-level features and fastest overall performance."

Ami Pro 3.0 earns the highest overall evaluation for Windows word processing

In recent tests conducted by the National Software Testing Laboratories

(Software Digest), Ami Pro 3.0 received the highest Overall Evaluation in the Advanced Word Processors for Windows™ category. Plus, InfoWorld gave Ami Pro the highest score ever (8.9) for a

Windows word processor. Even a tenth of a point means a big difference in these evaluations.



9/28/92

"Ami Pro stands out as the most usable program with the best performance."

Software Digest Ratings Report

"Ami Pro answers all the formidable challenges that Word for Windows 2.0 laid down and presents some new challenges for Microsoft to wrestle with."

PC/Computing (8/92)

"Ami Pro 3.0 takes the lead over Microsoft Word as the Windows word processor to beat."

InfoWorld (9/28/92)

Ami Pro 3.0 earned top scores in performance, ease of learning and ease of use.

According to test results published in Software Digest® Ratings Report, Volume 9, Number 6, September 1992, "The latest Ami Pro version manages to be powerful and feature rich, yet it is exceptionally easy to learn."

One evaluator quoted in the Ratings Report said, "Ami Pro is the kind of program that I'd like to go out and buy right away. It's that easy and it did that much!"

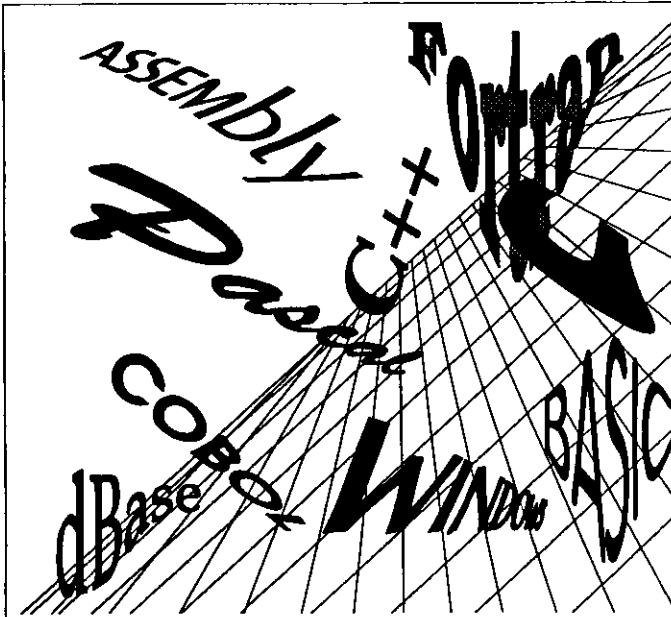
Call for your free Ami Pro 3.0 Working Model and you'll know why it's the best.

Ready to discover why the evaluators rated Ami Pro #1? Just call for your free Working Model at **1-800-872-3387, ext. 7118**. You'll see why this peerless, award-winning word processor for Windows is now the best word processor money can buy.

Come see for yourself. Lotus will be hosting special events in your area. Call 1-800-872-3387, ext. 7118 for information.

Lotus Ami Pro 3.0 Word Processor for Windows

©1992 Lotus Development Corporation, 55 Cambridge Parkway, Cambridge, MA 02142. All rights reserved. Lotus and Ami Pro are registered trademarks of Lotus Development Corporation. Windows is a trademark of Microsoft Corporation. Software Digest is a registered trademark of NSTL, Inc., an independent division of Datapro Information Services Group. Reprints of report available upon request.



Introduction to Programming

Wendy Sarrett

Until the past few years ago procedural programming was all that existed. Now a new paradigm is becoming prominent, event-based programming. In this article we will discuss event-based programming and compare it to traditional procedural programming. In a procedural program, the program goes along and prompts the user for input when needed. An event driven program works just the opposite. The program essentially sits and waits for the user to do something. Where a loop waiting for user input is just a small part of a traditional program, it is central to an event-driven program.

When designing a traditional program, one designs the data structures and associated algorithms and ties them together. The program can be mapped to a strait flow of instructions. The old fashioned flow charts epitomizes this paradigm. This is a map of how the program flows instruction by instruction. This is considered passe even for design of procedural programs. Data flow diagrams are one example of a newer design notation used. (As the name would imply, in a data flow diagram the way data flows among the various procedures is arranged.) Another type of notation is the structure diagram which lays out how the various modules (data and associated algorithms) relate to each other. Regardless of what notation you use, the key point is that the program leads the user through it. While the user may have options at certain points, they are usually small in number. (This is why flow charts were used for so many years.)

In an event driven program the key is objects and how they handle messages they receive. A message is the result of an event. An event can be a mouse click, a keystroke, a button press, selecting an

item in a control. Events are usually generated by the user. However, in some environments, such as MS Windows, events can be generated by the system clock (timer). The program does not know what the user will do. Each window comprising the program is designed to handle messages the programmer deems relevant. The programmer cannot make any assumptions about the user's behavior. Thus, the task is more complicated. Each program has associated with it a case statement or similar structure. (In C/C++ 7.0 there is a message map performing the same function.) Essentially each message is associated with a function. This is epitomized by Visual Basic. With each form (read *Window* or *Control*) is an associated list of functions for the programmer to optionally fill in. One key point is that

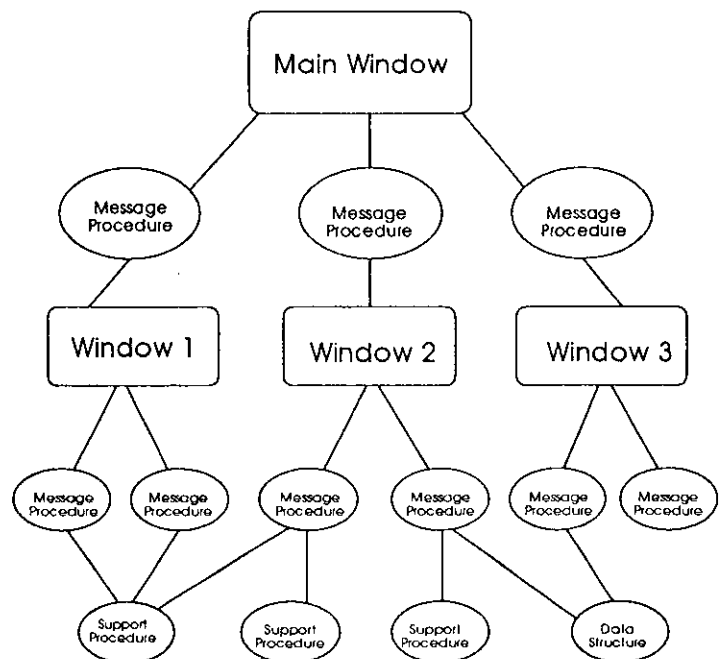


DIAGRAM 1



Orange Coast IBM PC User Group SIG GUIDE

A Calendar of Special Interest Group (SIG) Meetings & special Events of the Orange Coast IBM PC Users Group (OCIPUG).

For more information on membership, write to OCIPUG at PO Box 6100-211, Costa Mesa, CA 92628. Call Voice Hot-Line - (714) 843-2048 or BBS - (714) 843-0388

	SUN	MON	TUE	WED	THU	FRI	SAT
NOVEMBER	1	Word Perfect OCIPUG Board Meeting 6:30 PM	Spreadsheet	Multimedia	Frame Maker	Windows NT	New Users 9 AM <hr/> DOS 1 PM
	8	MS Word	Modem	Network	Graphics	Games	RealEstate 8AM Pacific Beach Escrow Programming 9 AM <hr/> OS/2 1 PM
	15	Genealogy	GeoWorks - 4PM <hr/> BBS	NoWindows 3.1 SIG in Nov.	Windows Drawing 6:30PM; Graphix Resource Center	Ami-Pro	9AM - OCIPUG General Meeting O.C.C. Science Hall
	22	OCIPUG Board Meeting 6:30 PM	Personal Finance	Database	Thanksgiving No SIG	Holiday, noSIG	
	DEC	29		Spreadsheet	Multimedia	Frame Maker	Windows NT
30							

PC users at all levels of expertise are encouraged to participate in the Special Interest Groups. Both beginners and advanced users will find items of interest and shared knowledge at all of the SIGs. Please attend the SIGs of your choice and participate in them. Learning is born of sharing and participation. We will give our best effort to all questions.

All Special Interest Groups (SIGs) are held from 7 PM to 10 PM at our SIG SPACE, located at 17632 Metzler Lane, Suite 211, Huntington Beach unless otherwise listed.

3D Studio/Animator Pro 3rd Sat
 Co-SIG Leader: Bob Weil (714) 953-2218
 Co-SIG Leader: Karen Moyers (714) 774-3234
 This SIG covers 3D Studio and Animator Pro with discussions on various related hardware and software products. **We will meet in the Sig Space on November 21st. No meeting in December. See you at the December General Meeting.**

Ami-Pro 3rd Thu
 SIG Leader: Stan Sabin (714) 968-7307
 This SIG covers Lotus Ami-Pro for Windows. **In November we will be using graphics, frames and charts, and share tips & tricks.**

BBS 3rd Tue
 SIG Leader: Bob Ottke (714) 759-1515
Monthly work party on the BBS. Meet in the office area of the SIG SPACE.

Database 4th Wed
 SIG Leader: Bob Schmiedeke (714) 536-1178
 This SIG discusses various database programs, specializing in *dBASE*. **Check the HOT-LINE for the topic.**

DOS and Languages 1st Sat
 Co-SIG Leader: Chris Lloyd (714) 894-4837
 Co-SIG Leader: Bob Peringer (714) 633-3232
 Designated Guru: John Goodman (714) 895-3195
 This SIG covers DOS, helping you to take command of your PC. **At the November meeting Bill Domingo & Kevin Mosler will demonstrate SpeedDisk and Diskedit respectively.**

Framemaker 1st Thu
 SIG Leader: To Be Announced (714) _____
 SIG Coordinator: Walt Strong (714) 557-7008
 This SIG covers FrameMaker 3.0. **The November meeting will look at a catalog and the SIG Guide using FrameMaker.**

Games & Entertainment 2nd Fri
 Sig Leader: Richard Williams (714) 891-8795
 This SIG covers the latest games of the major companies showing strategies and hints on a broad spectrum of games. **At the November meeting we will look at shareware games on the OCIPUG BBS.**

Genealogy 3rd Mon
 SIG Leader: Stan Sabin (714) 968-7307
 For beginners to experts. If you know a little about Genealogy or a lot this SIG is for you. **In November we will be using PAF Split, PAF Stamp, plus other new utilities and share tips & tricks. Please bring your questions. Everyone welcome!**

GeoWorks 4th Fri
 SIG Leader: Bob Basaraba (714) 559-6539
 This SIG covers *GeoWorks Ensemble* and related topics. **We will not meet in November, due to the Holiday.**

GeoWorks (Daytime) 3rd Tue
 SIG Leader: Reg Roberts (714) 642-5399
 This 4 P.M. SIG covers *GeoWorks Ensemble* for beginners and those who want to know more about GeoWorks. **Check the HOT-LINE for the topic.**

Graphics 2nd Thu
 SIG Leader: David Carroll (714) 775-3130
 Designated Guru: Dave Lorenzini (714) 496-3050
 This SIG covers hardware and software products in computer graphics and animation. **Check the HOT-LINE for the topic.**

Hardware 4th Thu
 SIG Leader: Bob Basaraba (714) 559-6539
 This SIG is one of the most popular, judging by the strong attendance. **We will not meet in November, due to the Holiday.**

Modem 2nd Tue
 SIG Leader: Bob Ottke (714) 759-1515
 Reach out and access the whole world of information through telecommunications. **Check the Hot-Line for the topic.**

Multimedia 1st Wed
 Co-SIG Leader: Dave Carroll (714) 775-3130
 Co-SIG Leader: Richard Villa\ (714) 841-6991
 This SIG covers hardware and software products for use in Multimedia presentations, including the new MPC specifications. We will cover both end-user applications as well as development tools. **At the November meeting Dave will look at ASKME 2000 MultiMedia authoring tool.**

Members & Non-Members are welcome at all SIG's

New User/New Member 1st Sat

SIG Leader: John Lunsford (714) 995-0947

This is the best SIG to attend first. The meetings run on a repeating 4-month cycle, this month the **Third** of the four presentations will be given. You may start at any point in the cycle.

Network 2nd Wed

Co-SIG Leader: Michele Miller (714) 842-9925

Co-SIG Leader: Clement Tang (714) 854-7021

Co-SIG Leader: Larry Tseung (714) 552-7618

The next few meetings will focus on the latest trends & concepts in the field of networking. **At the November meeting Artisoft will discuss & demo their Lantastic products.**

OS/2 2nd Sat

SIG Leader: Dave Lorenzini (714) 496-3050

Designated Guru: Steve Schiffma (714) 531-0376

Come learn about what OS/2 is all about and what this new operating system can do for you. **At the November meeting CD-ROM usage under OS/2 2.0 will be continued along with the MMPM/2 MultiMedia extensions software.**

Personal Finance 4th Tue

SIG Leader: Max Lockie (714) 644-0103

This SIG discusses the various financial packages for the PC. **At the November meeting we will continue to look at Quicken 6.**

Programming 2nd Sat

SIG Leader: Wendy Sarrett (714) 733-9906

This SIG covers various aspects of programming and programming languages. **Wendy will discuss Visual Basic for DOS and C Tools Plus 6.0 at the November meeting.**

Real Estate 2nd Sat

Contact Person: Jim Dickerson (714) 536-8444

Contact Person: Tom Sutro (714) 754-7045

Jointly sponsored by OCIPUG and several local Boards of Realtors, this is one of our largest SIGs. **Check the HOT-LINE for the topic.**

Meets from 8 to 10 AM. Beach Pacific Escrow, 16401 Gothard St. (NW corner Gothard & Heil), Huntington Beach.

Spreadsheet 1st Tue

SIG Leader: Neil Carman (714) 964-1901

This group covers popular spreadsheet programs, including *Microsoft Excel*, *Lotus 1-2-3* & *Quattro Pro* and shareware products, for both beginners and advanced users. **We will look continueto look at Quattro Pro 4.0's command line and @ functions in November.**

Windows Drawing 3rd Thu

SIG Leader: Steve Burnside (714) 722-0327

This SIG will cover intermediate and advanced topics relating to *CorelDRAW!* and other drawing packages. **We will continue to examine Windows based drawing programs in November.**

Meeting starts at 6:30 PM.

So. Cal. Graphics Resource Center, 38 Corporate Park, Irvine - Near Jamboree & Alton Pkwy.

Windows NT. 1st Fri

SIG Leader: Dave Black (714) 830-9203

This SIG covers the *Microsoft Windows NT Operating System*. **We are trying to firm up a tentative November demo of GNU Tools CD ROM for Windows NT.**

Windows 3.1 3rd Wed

SIG Leader: Richard Villa (714) 841-6991

Asst. SIG Leader: Steve Burnside (714) 722-0327

This SIG covers the *Microsoft Windows 3.1 Operating System* and with discussions on various related hardware and software products running under *Windows 3.1*. Please come with your questions.

There will be no meeting in November, due to COMDEX.

Word 2nd Mon

Windows SIG Leader William Domingo (714) 968-0706

DOS SIG Leader Dave Lorenzini (714) 496-3050

Both *Microsoft Word for Windows* and *Microsoft Word 5.5* (DOS text & graphics) are powerful and popular word processing packages. The Word SIG covers each of them. **At the November meeting we will cover Conquering Word's views and zooms & introduction to macros.**

WordPerfect 1st Mon

SIG Leader: Susan Novak (310) 594-4144

W-(310) 491-3081

Contact Person: Jeff Sinn (714) 775-2390

Come and learn about this popular word processing package. **Check the HOT-LINE for the topics.**

Saturday, October 31st, - 1992 - 9:00 AM to Noon

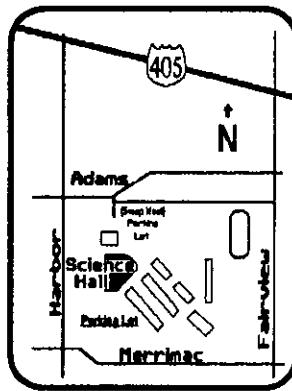
GENERAL
MEETING

Broderbund Media Vision

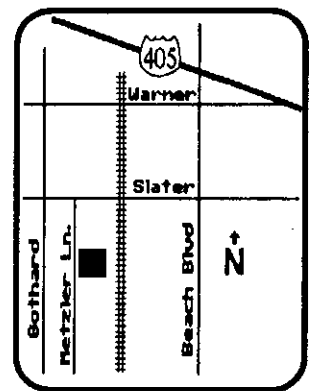
⇒ 8:40 to 9:00 AM - Random Access!
Ask questions, and get answers.

MEETING
LOCATIONS

Orange Coast College
Costa Mesa
2701 Fairview Rd.
General Meeting:
Science Hall (next to
Chemistry Bldg.)
Parking in campus
lots is most available
off of Merrimac or
Fairview.



SIG Space
Huntington Beach
17632 Metzler
Lane (Park Center), Suite 211.
SIG Meetings: Take
elevator to 2nd
floor, enter at 1st
door, turn right at
1st corridor.
Parking in the lot or
on the street.



MEMBERSHIP
INFORMATION

Orange Coast IBM PC User Group (OCIPUG) was formed in 1985, and has become one of the largest and most respected User Groups in the country.
OCIPUG, a non-profit corporation, is an all-volunteer organization which provides PC enthusiasts with an opportunity to gain knowledge and gives assistance to those who need it.

Membership includes:

- ✓ subscription to *README.DOC*, the monthly newsletter published by OCIPUG
- ✓ discounts on Public Domain, Shareware and User Supported software
- ✓ access to the OCIPUG BBS (area code 714 Bulletin Board) private telephone line
- ✓ eligibility for raffle at monthly General Meeting

If you would like to become an OCIPUG member please call (714) 843-2048 and request an application for membership, or write: OCIPUG, PO Box 6100-211, Costa Mesa, CA 92628-6100.

OCIPUG SIG GUIDE camera ready copy produced with: *Microsoft Windows 3.1, Aldus PageMaker 4.0, Corel Draw! 2.0, Professional Draw & Publisher's Paintbrush for Windows* using an *HP LaserJet III* with *Pacific Data Product's PacificPage XL & PacificType* PostScript-compatible cartridges, including Adobe downloadable fonts. Graphic illustrations by Richard Villa, Steve Burnside, David Carroll & Walt Strong.

SIG Chairman and SIG Guide publisher: Walt Strong - (714) 557-7008.

- Deadline for December Calendar: Saturday, November 12th.

event-driven programming is not unique to Windows. Recently, Microsoft came out with a version of Visual Basic for DOS that works in a very similar manner to Visual Basic for Windows. Furthermore, Windowing systems live on all manner of *non-PC* machines (Macs, Unix based machines (XWindows), etc). The principal is the same. Design your windows and determine what messages will be handled and how they will be handled. Note that one must also write associated data structures and perhaps some other supporting code. Diagram 1 demonstrates these principals. In this program there are a number of windows that are associated with message procedures. In this case there is a main window that, on certain messages, creates one of the other three windows. (Almost all such programs have a main window that is activated when the program is started.) These windows are said to be children of the main window. Thus, windows can have parent/child relationships. Each window has message procedures associated with it and these message procedures may use a data structure or other support procedures. The key is that unless one of the windows is what is called *Modal* (forces the user to respond to it before any further action can take place) any of these message procedures can be activated at any time. In

other words, one should almost never assume an order of events. This is a MAJOR difference between the event driven world and the traditional world.

As we have been emphasizing, a window's main task is processing messages. Thus, another important aspect of event-based programming is the message queue. Each Windows program has an associated queue of messages. This can be thought of as a list of tasks to complete. These messages are dispatched to the appropriate window for processing. Messages that are not processed can be passed up to the parent or perhaps ignored entirely. Thus, as message handling is the key to a Windows program, the message queue is the focal point of program control.

This is a basic description of the event-driven paradigm. Next month we will discuss MS Windows, messages, windows, etc. in more detail. Before I conclude, a few notes. First, last month I mentioned that Dr. Watson was part of C7. In fact, it comes with Windows 3.1. Second, I just returned from a two-day summit at Microsoft on *Visual Basic*. It was very informative and a lot of fun! Among the goodies I brought home was a copy of *Visual Basic for DOS*. So far it looks impressive. I plan to write a full review of it in the near future, in addition to presenting it at the Programming SIG. ■

IF YOU HAVE A MILLION IDEAS

(But don't know what to do with them)

Bring your brain to the Graphix Zone

We'll show you how to make your ideas reality by using that computer on your desk. Color Publishing, Multimedia, Pre-press, Presentation Graphics, Desktop Publishing, Mac or PC.

The food that creative brains thrive on.

The Graphix Zone can show you how to unleash the power of your ideas by communicating them effectively using computer graphics technology.

It couldn't be easier. You provide the ideas, we provide the answers. At no charge, with nobody trying to sell you a thing.

Sponsored by the world's leading providers of computer hardware and software, you can learn at one of our many FREE

seminars, or in a one-on-one demo with our staff of friendly professionals.

Your customers will think you're a genius. Your competitors will think you've won the lottery. We'll show you how to look like a million on a modest budget. And you can gloat all the way to the bank.

So pick up the phone, listen for the tone, and call the Zone. Schedule yourself into one of our upcoming FREE seminars or make an appointment with one of our specialists.



FREE NOVEMBER SEMINARS & SYMPOSIUMS

5TH...MULTIMEDIA SYMPOSIUM

9 am: Animation for the PC
10 am: Animation for the Macintosh
11 am: Sound 1 1:30 am: Digital Video Interactive
1 pm: Video 2 pm: Interactivity

10TH...MICROSOFT WINDOWS DAY!

10 am to 12 pm--PC MULTIMEDIA
1 to 3 pm--PC DESKTOP PUBLISHING

11TH...INTRODUCTION TO MULTIMEDIA FOR THE MACINTOSH

10 am to 12 pm
ANIMATION AND INTERACTIVITY
1 pm to 3 pm

12TH...NEW APPLE SOLUTIONS SEMINARS

10 am to 12 pm
OPTIMUM QUICKTIME: Learn how to optimize QuickTime for multimedia & desktop video requirements. See new products from Apple.

1 pm to 3 pm

MACINTOSH COLOR PUBLISHING:

Discover how the all new product lineup from Apple Computer can bring you into the world of color publishing like never before.

13TH...LA SEMINARS AT PACIFIC DESIGN CENTER!

10 am to 12 pm

FROM COLOR PROOFS TO FINAL OUTPUT!

This is the electronic color publishing seminar you've been waiting for: color accuracy, proofing, separations, and impositions are unveiled.

1 pm to 3 pm

DESKTOP VIDEO TIPS AND TECHNIQUES

See the latest in affordable desktop video techniques for storyboarding, location shoots and off-line editing.

10TH...COLOR PROOFING WITH TEKTRONIX

10 am to 12 pm Learn how to use the latest in Tektronix technology for high quality color proofs.

24TH...PREPRESS SYMPOSIUM

10 am to 11 am: Scanning & Color Separation
11:15 am to 12:15 pm: Illustration
1 pm to 2:15 pm: Page Layout
2:30 pm to 3:30 pm: Color Crops & Final Output

UPCOMING FOR DECEMBER

2..... Adobe Training Day 10 am to 8 pm
3..... Introduction to Prepress 10 am to 12 pm
IBM Multimedia Solutions 1 pm to 3 pm
9..... QuickTime Basics 10 am to 12 pm

UPCOMING FOR DECEMBER

2..... Adobe Training Day 10 am to 8 pm
3..... Introduction to Prepress 10 am to 12 pm
IBM Multimedia Solutions 1 pm to 3 pm
9..... QuickTime Basics 10 am to 12 pm

10 am to 12 pm

10 am to 12 pm

10 am to 12 pm

10 am to 12 pm

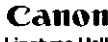
10 am to 12 pm

10 am to 12 pm

10 am to 12 pm

10 am to 12 pm

10 am to 12 pm



38 Corporate Park, Irvine, CA 92714 (714) 833-3838



Herb's Hangout

Herb Huey

APPLE RENEWS PC BASHING

Apple has a new round of advertisements that supposedly compares the virtues of Macintoshes vs. PCs. Apple Macintoshes are fine machines with much to recommend on their own, but Apple's new advertisements use too many half-truths and innuendoes to get their point across. Perhaps you have seen the two page spread in *Business Week* that shows PCs as the hard way vs. Macintosh as the easy way. On the left appears a tiny 386 or 486SX computer surrounded by a huge screwdriver and a bunch of hardware, while on the right is a neat looking Quadra 700, one of Apple's finest computers, using a Motorola 68040 microprocessor running at 25 MHz.

Apple's bottom line is ease of use with their Macintosh and new Quadra systems. Just plug in the keyboard and monitor and load in the System 7.1 operating system and you are ready to go while the new PC owner must go through a frustrating series of set up and installation woes. PC owners who have had to set up their own system and suffered through numerous software installations, especially with the dreaded MS-DOS AUTO-EXEC.BAT and CONFIG.SYS files, and the even worse Windows .INI files, will testify to that. I think even the most avid PC fan would readily admit that PCs could be simpler to set up and maintain.

However, Apple implies that buying one of their systems is just as simple as writing your check. It is true that the floppy disk, local networking, and video are built into every Apple system. However, you must choose from several preconfigured systems to get the RAM and the hard disk sizes that you want or else you must install everything just like any PC owner. The keyboard and monitor are extra cost items. Color is an expensive option on the Macintosh; so many Macintosh articles try to convince potential Macintosh owners to try to be satisfied with monochrome. Few PC owners today do not have color in their systems. Today's PC purchaser has a wide choice of systems to go with. System integrators can easily put together just about any configuration you want and preload your initial purchase of software.

The real bottom line is price. Since PCs are an open architecture, competition is fierce and deep discounts are easy to get, while Apple dealers must follow strict Apple guidelines if they intend to remain Apple dealers. Apple claims that the PC system shown in this ad will cost \$6204.95 retail while Apple computers start at \$1499. That \$1499 retail (\$1200 street price) is for Apple's lowest cost Macintosh Classic II with 4 MB RAM and a 40 MB hard disk. The built-in 10" monochrome monitor barely qualifies as a useful monitor size which any old-time Macintosh user can testify as the truth. Whatever hap-

pened to color? You can easily get VGA color on the lowest 286 system. Hardly a useful comparison. Looking at Apple's propaganda sheets, I found out that Apple considers a 486 running at 33 MHz roughly equivalent to the Quadra 700. The new Quadra 950 has a 68040 running at 33 MHz. The PC equivalent is a 486 running at 50 MHz. A look at the street prices would be interesting. The prices below are for complete systems with 8 MB RAM, 210 MB hard disks, and a 16-17 inch color monitor.

Quadra 700 \$6249 Tri-Star
486/33 VESA CAD Station \$3300
Quadra 950 \$7749 Tri-Star 486/50
VESA CAD Station \$3500

The Tri-Star CAD Stations have all the latest PC technology for half the price of the Apple equivalent. Microsoft DOS 5.0 and Windows 3.1 are already preloaded. Plug in your keyboard and monitor and you are ready to go. Isn't this Apple's claim to fame?

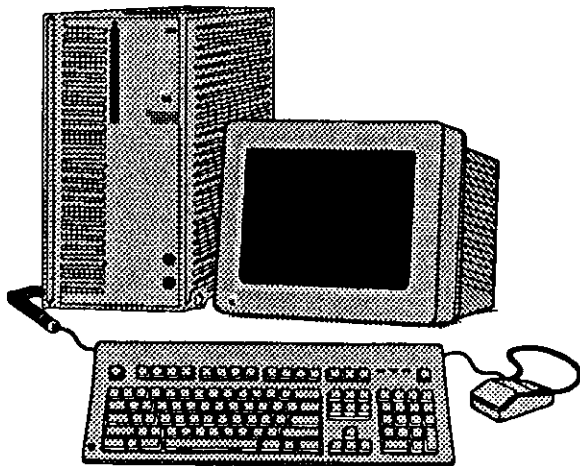
Built-in local networking is one feature that Apple is quick to point out is missing from most PC systems. Connect up to 10 Macintoshes locally and you have a small network. The built-in AppleTalk software is notoriously slow but it does work. Another limitation is that it will network Apple systems only. If you decide you need more speed or want to mix with other platforms like PCs, VAXs, and mainframes, you will need to use Ethernet to connect to a LAN system such as Novell. Novell's Net-

Ware has the AppleTalk option to permit communications with Apple products.

Apple's SCSI interface is an enforced standard so that easy peripheral connection is a fact of life. Unfortunately on the PC side, the SCSI interface is not fully standardized so that peripheral connection on a SCSI interface is still somewhat risky. The larger Apple systems have up to 5 NuBus slots available which seems skimpy to any PC owner but remember that Apple has a clear advantage here since many peripherals simply plug-in to the SCSI interface port.

FALSE SOFTWARE CLAIMS

Apple claims that you get consistently great software with over 5000 applications while Windows 3.1 has some lesser number (1000 in another Apple ad dated April 1991 when Windows 3.1 was introduced). Microsoft claims that at least 2500 Windows applications have been introduced since the Windows 3.1 inauguration so the number of available applications becomes moot. Apple says that you can get old standbys like Lotus 123



and WordPerfect. Wait a minute!! Aren't these actually old PC applications? New Windows versions as well as Macintosh versions of these workhorses were introduced in the past year. Much of the current software activity is on the PC side especially for Windows. As a matter of

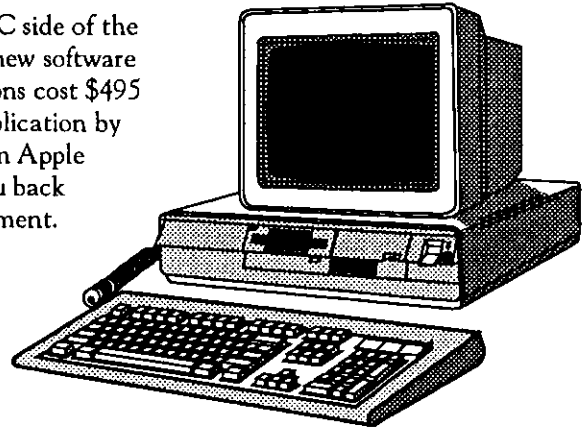
fact, Claris, who used to develop software for Macintosh exclusively, is now porting over many of their Macintosh hits to the Windows platform.

If you look at the PC side of the ad, Apple gripes that new software productivity applications cost \$495 to \$595 each. The implication by Apple is that buying an Apple System will not set you back in the software department. The software apps in System 7.1 are even worse than the Windows 3.1 equivalents so I don't think Apple intends for the power user to use the built-in apps. The four sample applications shown in the ad include Norton Desktop, Microsoft's Word, Excel, and Powerpoint for Windows. The same applications have also been ported over to the Macintosh world and have the same list prices as their PC equivalents. Say, isn't Apple proud of any applications that were specifically created for the Macintosh?

CONCLUSION

Apple has quite a few advantages over PCs which their new ads are quick to point out. PCs have the advantage of better prices, greater component choice, and greater popularity. My personal feeling is that if I had \$15,000 to spare I'd get a fully equipped Quadra 950 system, Apple LaserWriter, and of course new software. Since I

never had that kind of money floating around and I'm not afraid of opening my computer case I decided to invest in a PC. Next month I will go into a more complete comparison of PCs vs Apple Macintosh/Quadra systems.



SIGNING OFF

At long last I finally received my copy of AMI PRO 3.0 that I won in the raffle three months ago. I thank Stan Sabin in his perseverance with Lotus so that OCIPUG members don't wind up winning vaporware in our raffles. An interesting thing happened two days later, I received a second copy of AMI PRO 3.0 from Lotus. Apparently, Lotus responded to Stan's pressure on the long delay in shipment and Lotus sent a second copy without bothering to find out what happened to the first copy. I talked with Stan about this and it looks like some other lucky OCIPUG member will be able to enjoy using AMI PRO. So far I like what I see in AMI PRO. I also have Word for Windows so I promised Stan that I would report on my impressions of the two products. ■



OCIPUG

SUPPORT GROUP

The members listed below have generously offered to serve as resources for other members in need of assistance with specific hardware or software problems. They are there for you, but please bear a few things in mind:

- 1) The times listed are when these volunteers are available to assist you. PLEASE respect their times by limiting your calls to the hours indicated.
- 2) Your questions should be specific and reasonably brief. Consult your manual, tech support, etc., FIRST, so as not to take up their time needlessly.
- 3) All of our volunteers have expertise in the areas shown, but *nobody knows everything*, so be understanding by not expecting them to know *everything*.
- 4) This service is free, and available to our members only. Our volunteers are not doing this for personal gain, but as a service to benefit their fellow PC users, thereby making OCIPUG a stronger organization.

Abraxas

Kevin Post.....Anytime.....969-9495

AccPac Plus

Donna Fulmizi8 a.m.-8 p.m.848-8491
 Lia Varner.....8 a.m.-6 p.m. (310) 987-0632
 Christian Malm, CPA9 a.m.-9 p.m. M-F
 Anytime Wkends966-5339

Ami Professional

Mark Burrell9 a.m.-12 noon.....777-2130
 Richard Sinor.....6 p.m.-10 p.m.970-1323

Basic

Herb Huey6:30 p.m.-10 p.m.525-1608

C & C++

Wendy Sarrett7 p.m.-9:30 p.m. M-F
 Anytime Wkends733-9906

Champion Business Systems

Kevin Post.....Anytime.....969-9495

Clarion

Mark Burrell9 a.m.-12 noon.....777-2130

CorelDraw

John Goodman.....12 noon-12 midnight...895-3195
 Steve Burnside.....11 a.m.-8:30 p.m.722-0327

dBase IV

Preston Hill9 a.m.-9 p.m.892-1291
 (Control Center)

dBase Programming

Tom Toner10 a.m.-8 p.m.537-9175

Disk & Memory Management

Harv Haight9 p.m.-11 p.m.546-0820
 Mike Wierman6 p.m.-9:30 p.m. M-F
 Anytime Wkends894-4040

DOS

Harv Haight9 p.m.-11 p.m.546-0820
 Herb Huey6:30 p.m.-10 p.m.525-1608
 John Goodman12 noon-12 midnight...895-3195
 David Black3 p.m.-8 p.m. M-F
 9 a.m.-8 p.m. Wkends 830-9203

Excel

Herb Huey6:30 p.m.-10 p.m.525-1608
 Mark Burrell9 a.m.-12 noon.....777-2130

Fortran

Herb Huey6:30 p.m.-10 p.m.525-1608

Genealogy

Stan Sabin5 p.m.-9 p.m. M-F.....968-7307
 Preston Hill9 a.m.-9 p.m.892-1291

HP 95 LX Palm Top

Don LaffertyAnytime665-7269

Hardware

John Goodman.....12 noon-12 midnight...895-3195
 Harv Haight9 p.m.-11 p.m.546-0820
 Mike Wierman6 p.m.-9:30 p.m. M-F
 Anytime Wkends894-4040
 David Black3 p.m.-8 p.m. M-F
 9 a.m.-8 p.m. Wkends .830-9203

Lans

Mike Wierman6 p.m.-9:30 p.m. M-F
 Anytime Wkends894-4040

Lotus 1-2-3

Lia Varner.....8 a.m.-6 p.m.(310) 987-0632
 Herb Huey6:30 p.m.-10 p.m.525-1608

MAS 90

Christian Malm, CPA9 a.m.-9 p.m. M-F
 Anytime Wkends966-5339

Off-Line Mail Reader

Steve Burnside.....11 a.m.-8:30 p.m.722-0327

PCTools

Preston Hill9 a.m.-9 p.m.892-1291
 (PCShell)

PAF

Preston Hill9 a.m.-9 p.m.892-1291
 Stan Sabin5 p.m.-9 p.m. M-F.....968-7307

PAF Disk Doctor

Ted Carpenter.....9 a.m.-12 noon.....756-9346

Perform

Richard Sinor 6 p.m.-10 p.m.....970-1323

Q&A

Mark Burrell 9 a.m.-12 noon..... 777-2130

Terry Currier 8 a.m.-9:30 a.m.
7:30 p.m.-9 p.m..... 774-2018

Quattro Pro

Preston Hill 9 a.m.-9 p.m.892-1291

Mark Burrell 9 p.m.-12 p.m..... 777-2130

Quicken

Preston Hill 9 a.m.-9 p.m.892-1291

Ron Ross..... 6 p.m.-10 p.m. M-F.....964-5137
Anytime Wkends

Quickpay

Ron Ross..... 6 p.m.-10 p.m. M-F.....964-5137
Anytime Wkends

Stacker

Harv Haight 9 p.m. - 11 p.m..... 546-0820

Ventura Publisher

John Goodman 12 noon-12 midnight...895-3195

Windows

David Black..... 3 p.m.-8 p.m. M-F
9 a.m.-8 p.m. Wkends .830-9203

Mike Wierman 6-9:30 p.m. M-F
Anytime Wkends.....894-4040

Steve Burnside 11 a.m.-8:30 p.m..... 722-0327

Darren Major..... 8 a.m.-2 p.m. M-F
Anytime Wkends.....646-6904

Word

John Goodman 12 noon-12 midnight...895-3195

WordPerfect Products

Susan Novak 5-8 p.m. M-F.....(310) 594-4144

WordPerfect

Mark Burrell 9 a.m.-12 noon.....777-2130

Preston Hill..... 9 a.m.-9 p.m.892-1291

Mike Wierman 6 p.m.-9:30 p.m. M-F
Anytime Wkends894-4040

Linda Leydekkers 10 a.m.-4 p.m. M-F.....968-0924

Susan Novak 5-8 p.m. M-F.....(310) 594-4144

XTree

Richard Sinor 6 p.m.-10 p.m.....970-1323

(Editor's note: If you would like to be listed here as a volunteer to help with any PC-related subject please give me a call at 644-1017 or leave a message on the BBS. We need volunteers in many more software and hardware areas. The success of this program depends on your help. Jean Stevens)



COMPUTERS

Same Location Since July 31, 1983 - Over 9 Years

HARDWARE and SOFTWARE
APPLE II - IBM and Macintosh
since 1982

Hard Drives

80Mb: \$229
120 Mb: \$299
200 Mb: \$399
340 Mb: \$786
425 Mb: \$989
513 Mb: \$999
IDE #/O Card:
\$29.95

Mother Bds

386-33 SX:
149.95
386-40 DX:
199.95

Local Bus

Board Accepts
486-SX-25,
DX-33, DX-50,
DX-2 50 & 66
\$149.95

Special
Orders
and
Hard to
Find
Items

ARCHIVE
TAPE
BACKUP
250 mb
Tape Software
Formatted Tape
18 mos Warranty
\$239.95

\$1072

Includes list right

486

33

\$357

add
for

486

50

\$592

486

66

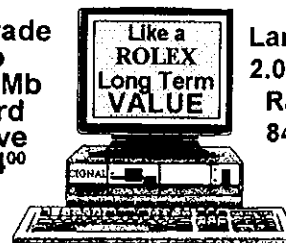
\$696

FREE ESTIMATES

REPAIRS UPGRADES

Reasonable Rates

Upgrade
to
120 Mb
Hard
Drive
\$64.00



Landmark
2.0 Speed
Rating:
84 MHz

486-33 MHZ

- 486 - 33 Mhz 32 bit SX processor
- SVGA Card & color monitor
- 85 Meg IDE Hard Drive w/MS DOS 5.0
- 2 meg RAM, expandable to 32 Mb
- 1.2 MB floppy drive
- 101 Enhanced keyboard
- Mini Tower or Small Footprint case
- 220 Watt UL approved power supply
- 1 Parallel, 2 Serial, 1 game Port
- All Documentation/Manuals Incl'd

10/92



If you can find a lower price
GARDEN OF EDEN
WILL BEAT IT...MAYBE
Full details in our store

714-841-4994

Fax: 848 1399

Se Habla Ingles!

16485 Magnolia St.
Westminster, 92683

1 BLOCK No. OF 405 FWY
9 AM - 6PM MON-FRI.....10 TO 5 SAT



Batch File Basics

Michael Springer

String manipulation of environmental variables was used last month to emulate in a batch file the GO-SUB....RETURN capability that is built into most programming languages. In other previous articles we have manipulated environmental variables in various ways to build a string value that was needed. In all these cases, the resulting string value was used to influence the outcome of running the batch file.

Sometimes string data is useful just for informational purposes. If you run a batch file that displays or prints AUTOEXEC.BAT, CONFIG.SYS and the DOS environment contents, you are not manipulating the data, you are just using it. You might not consider a file's contents to be string data, but the contents of the environment are strings of data.

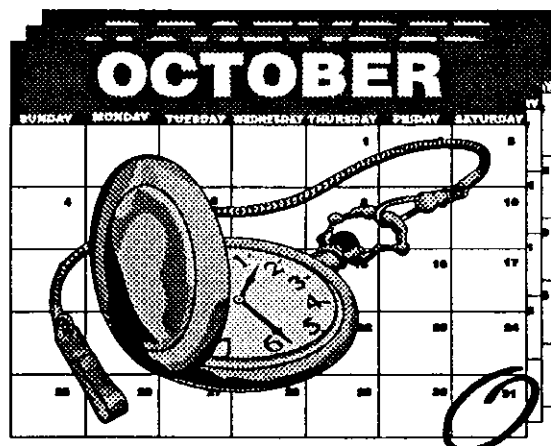
Some information that is not readily available for your use is the date and time. You say, "Sure it is, just use the DATE or TIME command." But, those commands do not produce *just* the date or time. You get a lot of baggage with the desired data. Though not by string manipulation in the strictest sense, it is possible to remove the excess baggage and wind up with just the time and/or date. I like to use this technique to print the date and time of printing on file listings (batch, text, QuickBASIC source).

A combination of redirection, passing data with replaceable parameters and nesting batch files extracts just the time or date and puts the information in a temporary file. We cannot do the neat tricks with the file contents that we can do with environmental variables, but at least we can get the current time or date in a usable form.

Three batch files are required for this operation. The first is the main batch file—the one that can benefit from using the date and time. The other two are part of the trickery, one to get the date and the other to get the time. Some piping and temporary files are used, so you must have some free space on some drive, preferably a ram disk for speed. GETTMDT.BAT could be part of your main batch file, but it is a stand-alone file for this demo. CURDATE.BAT and CURTIME.BAT are required, they should be in your \BAT subdirectory. Five files, DATENOW.BAT, TIMENOW.BAT, date.\$\$\$, time.\$\$\$ and CURRENT.BAT will be created in the designated work area. These files will be deleted automatically.

Create the files listed below and run the demo. Try to figure out what happens and why. Next time we'll take a look at how this works.

```
::GETTMDT.BAT
::last revised 10-1-92
@echo off
cls
echo.
echo This batch file shows how
echo to get the time and date
echo from DOS.
%ramdisk%
cd\
:GETDATE
echo.| date > datenow.bat
copy c:\bat\curdate.bat current.bat > nul
call datenow.bat
:GETTIME
echo.| time > timenow.bat
copy c:\bat\curtime.bat current.bat > nul
call timenow.bat
:SHOWVALUES
c:
echo.
echo The date is
type %ramdisk%\date.$$$
echo.
echo The time is
type %ramdisk%\time.$$$
:CLEANUP
del %ramdisk%\current.bat
del %ramdisk%\*.$$$
del %ramdisk%\????now.bat
=====
::CURDATE.BAT used by GETTMDT.BAT
::Last revised 10-1-92
@echo off
echo %4 >%ramdisk%\date.$$$
=====
::CURTIME.BAT used by GETTMDT.BAT
::Last revised 10-1-92
@echo off
echo %3 >%ramdisk%\time.$$$
```



Orange Coast College Community Services



Workshops - October/November 1992

Visa & MC Welcome for Advance Registration

714/432-5880

Class Location: Orange Coast College
2701 Fairview Road (at Arlington), Costa Mesa.

IBM PC & Compatible Computer User Group

Saturdays, Oct. 31 & Nov. 21

8 a.m. - 1 p.m. - Science Hall

Fee: \$36.00 annual membership

Visitors Welcome

For information, call 714/843-2048

Registration at the Door Only

Computer Graphics for Video

Presented by Ray Taylor

These 11-hour weekend workshops will introduce you to the latest technology used to create computer graphics in television and video. Bring 1 high-grade VHS tape and a box of 10 2DD (double density 3 1/2" floppy disks).

Oct 9 & 10 ★CFW.05

Oct. 16 & 17 ★CFW.06

Oct 23 & 24 ★CFW.07

Oct. 30 & 31 ★CFW.08

6-10 p.m., Fridays

9 a.m.-5 p.m., Saturdays

Technology 117C

Fee: \$84.00 per weekend session

WordPerfect 5.1

Tables/Math ★CFX.01

Presented by Nancy Rubenstein

Design intricate, detailed tables with and without math formulas. Disk and workbooks are provided. Knowledge of WordPerfect 5.1 is recommended.

Friday, October 16

1 - 5 p.m. - Business Ed 110

Fee: \$39.00

Workshops for First-Time Computer Owners with Reyes Rosas

Buying Your

First Computer ★CFJ.01

Be an informed computer buyer. Choose the type of IBM-compatible personal computer and printer that is best for you.

Saturday, November 7

9 a.m. - 1 p.m. - Business Ed 104

Fee: \$29.00

Setting Up & Using

Your First Computer ★CFK.01

Avoid the pitfalls and inefficiencies that plague both novice and experienced computer users alike.

Saturday, November 21

9 a.m. - 5 p.m. - Business Ed 106

IBM PC Workshops with Richard Howe

Learn WordPerfect 5.1 ... ★CFF.01

Use WordPerfect and its mail merge, spell checking, keyboard merge and macro facility. Participants should be familiar with the location of the keys on a typewriter or computer keyboard.

October 9 & 10

Lotus 1-2-3 ★CFD.01

Most popular commands, writing formulas and functions, formatting, data management and writing simple macros. Each participant will be provided with a personal computer to use. No prior computer knowledge is required, but participants should be familiar with the location of the keys on a typewriter or computer keyboard.

October 23 & 24

DOS 5.0 & Your

Hard Disk ★CFG.01

Basic DOS commands are covered as well as the instructions to use your hard disk. You will practice with an IBM personal computer. Participants should possess some experience using a personal computer.

November 20 & 21

6 - 10 p.m. Fridays

9 a.m. - 5 p.m. Saturdays

Computing Center 106

Fee: \$69.00 per weekend session

Software Instruction by Soft-Train

Introduction to the IBM Personal Computer and Its Operating System ★CFh.02

Saturday, Oct. 31

9 a.m. - 4 p.m. - Business Ed 103

Fee: \$29.00 per section

Pagemaker:

Workshop II ★CFS.02

Saturday, October 17

9 a.m. - 4 p.m. - Skill Center 105

Fee: \$69.00

Paradox:

Workshop I ★CFP.01

Saturday, October 24

9 a.m. - 4 p.m. - Skill Center 105

Fee: \$69.00

Workshop II ★CFP.02

Saturday, November 7

9 a.m. - 4 p.m. - Business Ed 102

Fee: \$69.00

Dbase IV:

Workshop I ★CFQ.01

Saturday, October 31

9 a.m. - 4 p.m. - Business Ed 102

Fee: \$69.00

Workshop II ★CFQ.02

Saturday, November 14

9 a.m. - 4 p.m. - Business Ed 102

Fee: \$69.00

Harvard Graphics

Workshop I ★CFR.01

Saturday, November 21

9 a.m. - 4 p.m. - Business Ed 104

Fee: \$69.00

Workshop II ★CFR.02

Saturday, December 5

9 a.m. - 4 p.m. - Business Ed 102

Fee: \$69.00

Excel for Windows:

Workshop II ★CFO.03

Saturday, November 21

9 a.m. - 4 p.m. - Business Ed 102

Fee: \$69.00

Word for Windows:

Workshop II ★CFN.03

Saturday, November 21

9 a.m. - 4 p.m. - Business Ed 103

Fee: \$69.00

DOS

Audrey Wolden

Guru Bob Basaraba, with Charley Lovin's research assistance, gave a comprehensive presentation on operating systems, with emphasis on DR DOS. (Digital Research is now Novell, for those as yet uninformed.) Bob had nothing but praise for the support given by DR DOS, which is located in England, the program having been initiated at Cambridge University. He sent the firm a FAX and received an answer in one day.

Among the strong points of DR DOS is its ability to configure the files when you set up the machine. You can use all the batch file commands in your CONFIG.SYS, in a way a program in itself. Bob revealed his 8 megabytes CONFIG.SYS, which includes several configurations linked together. The way he has set up his device, the computer practically runs itself—even in his absence.

Bob explained the functions of an operating system, which is the intermediary between the user and the machine. He compared it with shell programs such as Windows, which relies on the kernel, or core, of the system. Although Windows does have some of the things necessary to operate the machine, it doesn't have the I/O (input-output) file. The operating system has the ability to configure the files when you set up the machine; it manages the resources.

Bob showed a chart he had prepared which compared commands in DR DOS 6 with MS DOS 5. There are a few areas where MS DOS 5 excels or has capabilities that are not included in DR DOS, such as EDIT. Bob suggests you replace DR DOS's EDITOR with it. The biggest strength of DR DOS, says Bob, is its memory management. "You have to do some guessing, but it pays off." For instance, you can load it into upper memory using an 8086 machine and above. But you need special chips or an EMS (extended memory system) board to take full advantage of its capabilities if you use an 80286 or lower. John Goodman noted that a 64-page frame can be turned into UMBs with DR DOS but not with MS DOS; however, it handles only 16 bits of RAM.

There are a number of good books on DR DOS. One is *Operating Systems* by William Stallings, for those not interested in the more technical books. Bob said there's a good selection available at Irvine Sci-Tech Books, located at Barranca and Culver in Irvine.

You can throw out such utilities as compression programs and shells like XTREE, for instance, because you don't need them once you've installed DR DOS. You don't need a third party memory manager. And

except for a few bugs, which Bob expects to be ironed out, DR DOS is superior to DOS. Other features include a task swapper (you can copy and edit from one application to another); you don't need both an AUTOEXEC.BAT and the CONFIG.SYS files; and you'll get 625K or 617K free in your lower memory—at least—with a 386 or above machine. Bob recommends PC-Kwik Power Pak, which adds RAM and is easy to configure; there is also a special version for Windows. DR DOS has a security program; Bob uses it to protect his boot sector from being overwritten.

The SIG session was well attended as always; it was still going strong after 5 p.m. when I left! Oh! yes, we did celebrate Bob's birthday with cake and punch at the break.

At the November 7th meeting, Kevin Moser will discuss his experiences with Norton's Deskedit and Bill Domingo will talk on SpeedDisk. ■

Programming

Wendy Sarrett

At the September meeting (which was also the kick-off of the Windows NT SIG) David Black demonstrated the Windows NT pre-release. We saw what tools are available currently and what are still lacking. At last we will have an operating system that truly takes advantage of the power of 386s and 486s. I'm sure we will be going back to this area many times in the future. For October, Jim Morley will give a presentation on User Interface design. He has been researching the topic for a while and it should be very informative. In November, the topic will be writing GUI DOS apps. We will first cover Visual Basic for DOS. This, like Visual Basic for Windows, is a very exciting tool for writing custom apps without having to worry about low level details. In addition we will look at CToolsPlus. This library, which Blaise has had out for a while, is designed to provide the functions that the C programmer needs to write more powerful apps including GUI apps. ■

Microsoft Word

William Domingo

At our August meeting Michael Muller demonstrated Microsoft's Word for Windows outlining capabilities. When Outline is chosen from the view menu the ruler changes to a button bar containing direction arrows, plus and minus, and numbers one through nine. Clicking the right or left arrows increases or decreases each new outline level and places it at the corresponding tab stop. The plus and minus buttons are used to collapse or expand each level together with its sub-levels, much like a directory tree in file manager. With a level and its sub-levels collapsed, the entire branch can be moved to a new location by dragging and dropping with the mouse. The number buttons are used for choosing how many levels of your outline are displayed on screen.

You can number the headings in your outline using any combination of letters, bullets, Arabic or Roman numerals. From the Bullets and Numbers choice in the Tools menu, Word provides several formats to use, such as, legal or sequential numbering. By choosing *Learn by Example*, you put what you want in front of the first heading and all its sub-levels, then Word continues the same format throughout the rest of the document. ■

CUSTOM COMPUTER

CUSTOM PROGRAMMER & COMPUTER CONSULTANT

For the Small Business Professional who wants to keep it SIMPLE!! You won't have to learn everything about computers. From a simple data base to multiple interconnected files. If you're tired of all the "space" talk and want to get it done in plain English, give us a call!!

WE FEATURE Q & A
Very Reasonable
Henri Pierre Laborde
(714) 895-2432

Spreadsheet

Neil Carmen & Preston Hill

At the Spreadsheet SIG on 2 September 1992, Neil Carmen installed the newly received copy of Quattro Pro version 4.0 that Borland donated to OCIPUG. The program files were installed on the SIG computer's D:\QPRO directory and a separate directory was created for holding all data files. Questions and discussions by some ten OCIPUG members, demonstrated the versatility and power of QUATTRO PRO, using both the keyboard alone or with a mouse.

A member noted that the DOS command, *CTRL-Print Screen*, prints each screen as it is displayed until *CTRL-Print Screen* is toggled again. *Print Screen* or *SHIFT-Print Screen* is used to print ONLY the screen being displayed at the moment. This function is useful to capture the CMOS set-up data defining the types of drives, etc., that are necessary for the computer to boot.

Quattro Pro can scale fonts over a wide range of sizes so as to fit the needs of the spreadsheet or graphs. Neil commented that the Swiss fonts were better than the Times Roman IF the print was to be 8-point or smaller because of the simpler style of the Swiss fonts.

Different color schemes can be created, saved, and quickly retrieved for subsequent use. Color schemes can be chosen for use either in *Character* mode or *WYSIWIG* mode. One member saves each color scheme to the RSC.RF file, using the global UPDATE command, and places the resulting files in his data directory. Then he can quickly retrieve the appropriate color scheme for use on his full color VGA desk top monitor or his monochrome laptop screen, as needed, without having to re-create each scheme.

Neil demonstrated Quattro Pro's useful procedure, to solve for a missing parameter when the other parameters are known. The TOOLS/SOLVE FOR function quickly iterates the specified formula in order to solve for the missing variable. For example, the desired purchase price of an item can be determined from a specified payment, interest rate, and number of payments even if using the function (@PMT) for determining the payment. Neil recommended setting each parameter in a separate cell and then entering the cell number or name in the function formula itself. This allows easy change in one or more of the *fixed* parameters.

SIG REPORTS

The TOOLS/OPTIMIZER function is another extremely powerful tool that performs goal-seeking *what if* problems. Multi-variables and multi-cells can be specified and the problem solved to maximize or minimize the target value. Quattro Pro's Optimizer sample was used to demonstrate the effects of varying values in various cells and ranges of cells.

The sample was used to demonstrate the ability to print in portrait or landscape mode with varying sized and shaped spreadsheet blocks. The selections were viewed using the Screen View selection so as to show how the final product would appear on the page. The Print-to-fit selection automatically selects the font size required to fit the designated block onto one or more pages. Dot matrix printers can be used to make long banners as well as single page portrait or landscape formats.

The meeting ended at 10:00 p.m. after showing a few of the menu bar pull-down menus. The next meeting will continue to review the pull-down menus, and sub-menus, and start a review of the numerous @-functions available. ■

General Meeting Report ...Continued from Page 1

NT while preserving Windows 3.X compatibility. The beta version of NT is scheduled for this fall, and the final release is intended for early 1993.

Despite the inadequacy of the auditorium projector, the actual demo was awesome, certainly rivaling what OCIPUG saw in the showing of OS/2 2.0, although NT doesn't attempt OS/2 2.0 support for DOS device drivers. Networks have obviously major support: Udell in BYTE says "(NT) ... will represent a challenge to NetWare as much as to Unix and OS/2." He quotes Microsoft as saying "a forth-coming multithreaded MS-DOS 6 will support a full-featured WIN-32, constituting a true NT LITE for low-end hardware."

After a question/answer session with a somewhat subdued audience, the meeting closed with the usual raffle; members had two tickets each, and visitors prompted by Microsoft solicitation, one ticket each. Raffle winners are listed elsewhere. OCIPUG thanks Microsoft, Knowledge Adventure, and others for their donated prizes. ■

ABCs of the BBS ...Continued from Page 2

them. Create a subdirectory, say, C:\DOWN, and tell ProComm, for example, that that is where you want the files to go. You'll find that command in FILE/PATH OPTIONS. If the above subdirectory does not exist, your download will fail. Some users want to direct files to a floppy "... so I won't get a virus." There is NO DANGER in downloading files to your hard drive. No virus is activated until the file containing it is executed. Also, today's BBSs are VERY careful to scan for viruses before the file is made available for download. There are a few files that are simply too big for a floppy, unless you have the 2.88 variety.

On our BBS, for example, your first download should be OCIPUG.ZIP. That is a list of all files available. Look it over, and decide what you would like, then get back online, and go for the files you have selected. Names, of course, must be EXACT, and wildcards are not allowed. Enter the FILE-NAME.ZIP, press PgDn, confirm your protocol, if necessary, and your download will begin. Your comm program should give you some sort of screen showing the progress. Don't worry about an occasional error that might show up—they are automatically corrected. If you get too many, though, your download will probably abort. Could be a noisy line, or any number of other minor problems. Try again!

Once you have mastered downloading, uploading is just the reverse. Stock up on all that good shareware from OCIPUG and other BBSs, and upload any goodies that you find on others. You'll get extra time credit, and help your fellow members.

By no means is this intended to be a detailed and comprehensive review of everything involved with telecommunications! It is just a quick look at some of the things that might be keeping you from enjoying our BBS. Help is available! Come to the Modem SIG on the second Tuesday, and to the BBS SIG on the third Tuesday. At the BBS SIG, we might be able to give you some hands-on attention with a sick machine, modem, or program, but call first.

If all else fails, give me a call at 759-1515.... ■

1992 OCIPUG BOARD OF DIRECTORS

OFFICERS

President	Stephen Burnside	544-5599
Vice President	Richard Villa	841-6991
Secretary	Ginger Buck	534-7878
Treasurer	Preston Hill	892-1291
Past President	John Goodman	895-3195

DIRECTORS

Bob Basaraba	1993	559-6539
Jim Bonacci	1992	650-2922
Robin Clark	1993	786-7880
Terry Currier	1993	774-2018
Max Lockie	1992	644-0103
Sunny Lockie	1993	644-0103
Robert Ottke	1992	759-1515
Stan Sabin	1992	968-7307

PEOPLE AND NUMBERS TO KNOW

Membership	Robin Clark	786-7880
SIG Chairman	Walt Strong	557-7008
Program Chairman	Terry Currier	774-2018
Bulletin Board	Robert Ottke	759-1515
Library Committee	Jim Fort	491-3665
Equipment Coordinator	Allen Ashley	537-4608

OCIPUG BBS & MESSAGE LINE NUMBERS

Public Line (1200/2400/9600/14400)	843-0388
Members only (1200/2400/9600/14400)	843-9248
OCIPUG Info & Message line	843-2048

OCIPUG General Meeting Dates 1992

Our General Meetings are held on the last Saturday of each month unless shown with asterisk below.

October 31

November 21*

December 19*

COMING IN NOVEMBER...

**DELL COMPUTER AND
HEWLETT PACKARD
LASERJET PRINTERS**

Membership Form

Bring to General Meeting or mail to return address on the back cover

New Renewal Information Update Date: _____

Have you ever been a member of OCIPUG? _____ If so, what is your member number: _____

Individual Membership \$36.00 per year Family Membership \$45.00 per year

Amount Enclosed: \$ _____

Title: Mr., Mrs., Ms., Dr. (Circle One)

First Name: _____ Last Name: _____ Family Members: _____

Address: _____ Unit No. _____

City: _____ State: _____ Zip Code: _____

Home Phone: _____ Work Phone: _____

I consider myself to be: Beginner Intermediate Advanced

My computer is a None 8088(XT) 286(AT) 386SX 386 486SX 486

OCIPUG Business Sponsorship Program



GARDEN OF EDEN
16485 Magnolia Street
Westminster 92683
841-4994

Your support enables us to better serve our members.

If you or your company would like more information on this program, please call Sunny Lockie at (714) 644-0103 or (714) 631-2880.

Orange Coast IBM PC User Group
Post Office Box 6100-211
Costa Mesa, California 92628

Postmaster: Form 3547 Requested
Return and Forwarding Postage Guaranteed

BULK RATE
U.S. Postage Paid
Costa Mesa, CA
92628
Permit No. 292

210-27-92

DATED MATERIAL — DO NOT DELAY