

North Texas  **NEWS**

North Texas PC Users Group

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North Texas PC NEWS

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Deadline:

All advertising and other material for publication in North Texas PC NEWS must be received by the NEWS staff by the 10th of the month prior to publication. See deadline information below.

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Editor's notes are on page 4

Submitting Articles for Publication in North Texas PC NEWS

- 1. Article Style.** Type all copy flush left without justification. This includes headings, bylines, and the first line of each paragraph. Place a credit byline (author's name) between the title and first paragraph. Leave a blank line between paragraphs.
- 2. Media.** All copy exceeding 10 lines should be submitted via the NTPCUG BBS or on floppy diskette(s) - (5.25" or 3.5" DOS formatted). If you want the disk returned please include a self-addressed return-postage-paid mailer. If you submit your article in hardcopy and expect us to transcribe it, bear in mind that we don't type so well. Most times, hardcopy-only-articles get filed in the Void.
- 3. File Formats.** ASCII text files are preferred. Use .TXT extension for ASCII files. If formatting is crucial, Microsoft WORD and WordPerfect files will be accepted. Other word processor file formats may be acceptable but only if the article is accompanied by hardcopy and an ASCII file version of the article. Word processor files create a lot of extraneous work for the editors. If the article can be ASCII-fied, please do so.
- 3. Submitting Articles.** You may use one of three methods.

- a) NTPCUG BBS (Preferred).** Log-on to the BBS and select (U)pload from the main menu. Your default file transfer protocol will be displayed. If you want to change your default protocol, use the (P)rofile option. Once you have set the file transfer protocol, select the (A)rticle option from the upload menu. You will be prompted for the filename to upload. Enter the filename (don't use drive or path name). The BBS will prompt you to begin the file transfer. (Refer to your communications software manual for instructions on transferring files.) After the file transfer has been completed, you will be prompted to, "press any key to continue..." You will then be prompted for a one-line description of the file. Enter the description. To exit the Article Upload Menu press ENTER until you get back to the Main Menu. (OPTIONAL - Send a BBS mail message to Douglas McQuaid regarding your submitted article.)
- b) Snail Mail (a.k.a. U.S. Postal Service).** Put the article on a floppy diskette and mail it to: 4302 Rainier St. #111, Irving, TX 75062
- c) SneakerNet.** Track down one of the editors at the monthly meeting and give them a diskette with the article on it.

DEADLINE
Copy deadline for June
North Texas PC NEWS:
Sunday, June 10th

Meeting Dates:

June Meeting - 2nd Sat (9th)
July Meeting - 2nd Sat (14th)
August Meeting - 3rd Sat (18th)
(tentative)

*Join the greatest
group in the world--
our volunteers!*

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Program for June

_____ Timothy Carmichael _____

9:00 AM - 10:00 AM

American Power Conversion Corporation

Real-World AC Powerline Facts and UPS Solutions

Come for a tutorial of what actually happens to your usually dependable electrical power line source and equipment in the real world. Considerations of possible problems and solutions, and comparisons of commercial UPS products will be covered. There will be a drawing for a free UPS (for attending NTPCUG members).

10:00 AM - 11:00 AM

Computer Support Corporation

Arts and Letters Graphic Editor

Carole Skelton, Manager of Technical Support

This versatile software package can import many different types of image files, has a clip-art library, moves and merges images, fits text strings along any curve, has realistic airbrush and gradient effects with blending, and creates positive or negative color images for printer output or offset printing. There will be a drawing for a free copy (for attending NTPCUG members).

11:00 AM - 11:30 AM

NTPCUG Business Meeting

1:00 PM - 2:00 PM

DataEase International

Productivity Without the Pain

DataEase V4.2 is a relational database product that allows use of a menu-driven interface instead of a procedural language. It also has DQL, a superset of SQL. The demonstration will take a dBase application, import it, modify and relate it to other databases, create reports, and much more. A drawing will be held to give away 10 free trial packages, one complete development package, and multiple other freebies to attending NTPCUG members.

Prez Sez

Submission of Selected Sig Happenings for the July PC News

Andy Oliver won't be able to attend the June 9, 1990, meeting of the North Texas PC Users Group. In Andy's absence, K.B. Barton, Assistant SIG Coordinator, will answer your meeting day questions. Also, all SIG Leaders need to submit their Selected SIG Happenings for the July PC News to the K.B. no later than June 10, 1990 Andy will return for the July meeting and submissions of Selected SIG Happenings submitted by July 10th for the August PC News should be submitted to Andy Oliver.

Needed - Donation of a CGA Monitor

The North Texas PC Users Group needs a CGA monitor. If you have moved up to EGA/VGA and have a CGA monitor collecting dust please consider donating it to the NTPCUG. We would like to use it with the ADTEC PC (the former BBS machine) so that SIG leaders and others making presentations to SIG attendees can view the screen AND the projected image from our LCD plates.

WordPerfect SIG??

Jerry Conger has expressed interest in starting a WordPerfect (WP) SIG. Some of you are aware that we have at-

tempted in the past to start a WP SIG. We failed, not because of a lack of interest in the product, but because we could not find a SIG Leader. Well, Jerry has volunteered to be the WP SIG Leader we need.

During the next NTPCUG business meeting at 11:00am on June 9, 1990, I will make an announcement asking whether anyone is interested in helping form the WordPerfect SIG. Please take a few minutes at the conclusion of the business meeting to meet with Jerry Conger near the front of the stage.

Software Review SIG

Phil Chamberlain has suggested we begin a SIG called "Software Review". As Phil explained, the purpose of this SIG will be to provide a thorough functional review and demonstration of products like PC Tools, Lotus Magellan, etc.

Phil and I will talk more about this SIG in the next weeks. In the meantime, if you are interested in the concept of this SIG and would like to get involved in its operation (Assistant SIG Leader) and/or creation please drop Phil a short note on the BBS. We hope to stir interest in this possible SIG and plan to make an announcement at the June 9, 1990, business meeting if response is favorable.

Zack Porterfield

Garbage in, garbage out

by Paul M. Williams

"Captain, Captain! CIVILIZATION!!!" shouted the first mate. "Radio signals are coming from the third planet."

The captain ran over to the sensor area and quickly verified the findings. This was not a colonized or previously explored solar system and any new discovery was very important.

"Hot ditty!" he cried out, "Strong radio signals, and lots of them. Hot Ditty, Hot Ditty!" he exclaimed running around on two of his six legs. "Let's check it out!"

The entire crew started buzzing as the ship headed toward the planet, the third from the star.

In New York City it was hot, it was humid and it stank! The garbage men were on strike and the entire town was mad. Again.

Arnold Galloway sat in his den with his feet propped on his desk and his keyboard balanced on his lap, programming in C. "This program stinks," he thought, "this assignment stinks; this apartment stinks; this whole city stinks." Arnold Galloway, unshaven, unbathed and clad only in day-old undershorts, stank also.

In this state of mind and body, Arnold Galloway was approached by the visitors from another galaxy.

"The city, the city!" cried the captain. "Hot ditty, look at the size of that city!" The city was overwhelmingly huge, far larger than anything the captain had ever seen or heard of anywhere in the galaxy. "The buildings, the buildings!" The buildings were tall but it wasn't just a few buildings but tens of thousands of tall buildings that took his breath away. "Hot ditty, let's find some inhabitants!"

"Hot Ditty, Hot Ditty!" repeated the crew, picking up on the captain's excitement. They all knew of the rewards of discovering new and exciting phenomena. "Hot Ditty, Hot Ditty!" they buzzed together. The experienced pilot brought the starship closer to the

planet, carefully riding the strong air currents, expertly guiding the valuable starship into New York City.

"LOOK AT THE SIZE OF THOSE NATIVES!" The crew was stunned into silence at the sheer magnitude of size of the living beings. They were thousands of times larger than the alien visitors.

"Hot Ditty, Hot Ditty!" exclaimed the captain, "We'll be famous!"

"Famous, famous!" echoed the crew.

"We'll have lots of money!"

"Money, money!" echoed the crew.

"We'll have many wives!"

"Wives, wives!" echoed the crew.

"We'll have all the ha-ha-bang we want!"

"Ha-ha-bang, ha-ha-bang!" echoed the crew.

"LET'S MAKE CONTACT!!!" screamed the captain.

"Famous, famous! Money, money! Wives, wives! Ha-ha-bang, ha-ha-bang!" chanted the crew, feeling exhilaration beyond belief at meeting the huge beings.

The navigator spotted Arnold Galloway through the open window in his den and plotted a course toward him. The pilot carefully maneuvered the starship into the den. The pilot, navigator and captain quickly conferred as they circled Arnold.

"Land on that bright thing," ordered the

captain.

The starship flew directly in front of Arnold, who was sweating in his undershorts in his humid apartment, in stinking, steaming New York City and landed on his monitor.

Arnold stealthily reached down and picked up the sports section.

"Here we are, about to make history! Now signal him!" he ordered the first mate.

The black starship, having traveled billions of light-years, began to make contact with Arnold.

"Buzz, buzz!" sounded the starship.



Arnold quietly rolled up the sports section, knowing from experience if he moved too quickly or made too much noise he could scare away his prey. He now had become a predator instead of a programmer, and the pouncing on his prey took precedence.

"Buzz, buzz!" sounded the starship again.

Arnold cocked the newspaper, tightening his muscles, and took a deep breath, not knowing he was involved in the future of billions of humans and aliens.

"Buzz, buzz!" sounded the starship again.

WHAP! The newspaper suddenly slapped the monitor.

The starship with its powerful engine designed to cross solar systems in minutes could not handle the crushing blow and immediately exploded, blowing a hole in the screen. The vacuum absorbed most of the explosion, but not all. The sharp explosion blew the monitor off the computer across the room, yanking the power director with it and knocked Arnold onto the floor.

Dazed, Arnold sat up and viewed the damage that had occurred. Depression set in as he realized the significance of what had happened.

"Damn! I should save my work more often." ▲

(Editor's note: Kinda puts a new slant on the term "debugging.")

Membership Update

From the ACTING membership chairman, Jim Hoisington.

The North Texas PC Users group has 1,365 members as of the first of May. We have been increasing each month ever since I can remember.

Congratulations!

During the first week of every month, the president gets to sign and mail a letter to each person whose membership is up for renewal. This month Zack Porterfield will send out 124 letters.

You can renew your membership either at the meeting or by mailing the renewal form with your check to the NTPCUG post office box. Either way, if you renew in the month before your renewal month, you get 13 months of membership instead of 12 months.

Enclosed with the renewal letter is a printout of your record in our database. We give you this printout for two reasons. 1) It lets you know exactly what your record contains, and 2) it saves the membership director a lot of time entering your renewal if you renew with the printout. (When you change some-

thing on the printout, it is easy for me to see what you want changed in your record.)

Some people have asked about why we keep certain pieces of information in our database so I'll explain how we use the membership database.

Telephone numbers are used to contact people who volunteer to work in any of the areas listed in the middle of the form. I also use the phone numbers to follow up when your newsletter comes back marked "Undeliverable." (I don't always get the right address off the hand-written forms.) Once in a while we use the telephone numbers to let you know that we have something that you left behind at the monthly meeting.

The form has a field for occupation. We use that only when the officers of NTPCUG run up against something in which we need an expert in some field. Then we search the database to see if any of our members could help us out based on their occupation.

You have the ability to initial a field which takes you off of any promotional mailings. The NTPCUG occasionally does sell its mailing list to companies that have products related to personal computers. If you initial this box, your name will not be included on any of these mailings.

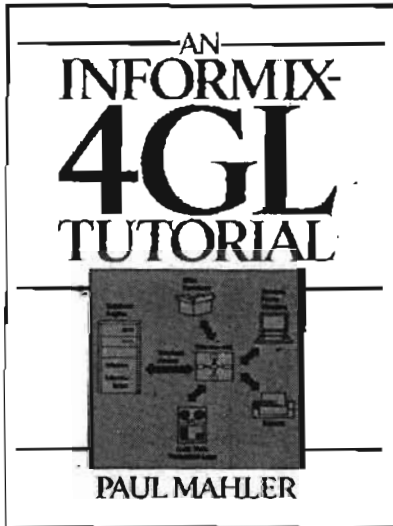
We also encourage you to use the membership form and the record printout to volunteer to help us out in a variety of ways. We need over 150 people each month to put on our meeting. If you check any of the boxes in the volunteer portion of the form, your name and telephone numbers will appear on a list that is mailed to the volunteer group leaders at the end of each month.

At the end of each month, the computer generates lots of lists. A list of new and renewing members along with their membership number is sent to the BBS committee at the end of each month so they can validate your BBS account. The same list in a different format is sent to our treasurer, Ken Conner, who prints your new membership card. At the meeting following the month in which you renew, we'll have your membership card at the information desk near the entrance to INFOMART. If you don't pick it up at the meeting, we'll mail it to you in the week after the meeting.

The computer also generates the mailing labels for your next newsletter. We always try to have an alphabetical list of members at the information desk at each meeting. That list is current as of the end of the preceding month. The computer also generates the lists of people who indicated that they would like to volunteer in the various areas.

I know this all sounds like a lot of work but actually the computer does it all except for the data entry. ▶

THE PROFESSIONAL'S CHOICE



C and UNIX[®] titles from Prentice Hall

An INFORMIX 4-GL Tutorial

Paul Mahler

A tutorial that helps readers become proficient in INFORMIX 4-GL by providing scores of step-by-step examples and guidelines for using the INFORMIX 4-GL language to build a flexible relational database system.

Unix[®] Network Programming

W. Richard Stevens

A guide to writing programs that communicate across UNIX[®] networks. A must for all UNIX[®] system programmers.



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Portable C Software

Mark Horton

Offers a step-by-step guideline for students and professional programmers who want to write portable C code between System V, POSIX, MSDOS, and other operating systems.

Introduction to the X Window System: Programming and Applications, W/XT, OSF/Motif

Doug Young

A new version of this bestseller based on Open Software Foundation's MOTIF—the first graphical user interface offering user-oriented, pc-style behavior and screen appearance.

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However, when you're typing these commands, or utility names, it's the "shell" that's watching and the shell is not UNIX. The shell is the default user interface on UNIX. It's just another program, the one most often used to start and control other programs. The shell can actually be any program, even one you create yourself. This allows you to stylize the UNIX interface drastically, and has led to the development of graphical user interfaces (GUIs) for UNIX.

The most interesting GUI for PC users is Open Desktop from The Santa Cruz Operation (SCO). In the late 1970's SCO collaborated with Microsoft to produce XENIX, the first implementation of UNIX on the Intel 8086. Today SCO supports both UNIX and XENIX on PCs.

Open Desktop is a graphical, window interface for UNIX on a PC. Using a mouse or the keyboard, you can point and click on icons, pull-down menus, and control buttons to operate the system and run programs. Open Desktop is based on the X.desktop windowing system, which is not just another proprietary windowing tar pit. X.desktop is certified OSF/Motif compliant, adheres to Posix standards, and meets the X/Open common application environment specification (all set by the big shot UNIX standards organizations).

That Open Desktop is OSF/Motif compliant is especially important, because that means its behavior is compatible with Microsoft Windows and Presentation Manager on PCs. You not only don't have to learn a weird, new programming environment to use UNIX, you don't have to learn a weird, new windowing system either.

As it turns out, Open Desktop is more than just a GUI for UNIX on a PC. It also supports:

- multiple DOS applications along with multiple XENIX and UNIX applications, all at the same time in windows,
- talking to other UNIX workstations over NFS (Network File System),
- talking to PCs over LAN Manager or PC-Interface,
- talking to anything via TCP/IP,
- distributed or client-server databases via INGRES/386 (Relational Technology's version of SQL), and
- indexed files with SCO ISAM, which is call-compatible with other X/Open-compatible libraries.

UNIX on a PC isn't what it used to be. The UNIX/XENIX SIG is hosting a presentation on SCO's Open Desktop at their meeting June 9th at 10 o'clock. Come see what UNIX is up to now.

Kevin

▲

Microsoft Announces WfW Template Contest

From Microsoft Corporation comes the following announcement:

Anyone who uses Word for Windows has probably used and enjoyed the template feature. However, the templates we've included with Word for Windows are just the beginning. We'd like to continue improving and adding to them, and we're asking for your help.

Send us your best modified or original template on disk. Include a letter, telling us a bit about your business and your position, and some background on the template and its creation. You can check the "techref.doc" file in your \winword\library subdirectory and the "Sampler" book for detailed information on templates and macros.

3-COM LAN SYSTEMS ANALYST

International Travel Services Company has immediate opening for person to help manage local area networks. Duties include the installation and maintenance of 3 plus share, OS/2 based local area networks. Requires 2 yrs. prior 3-com experience. Mail resume to Gary at Inter-Claim, 250 E. Arapaho, Suite 200, Richardson, Texas 75081.

Entries must be postmarked on or before September 15, 1990. Entries will be judged by the following: most extensive use of the Word for Windows template feature, how the use of the template adds to the functionality of WinWord and the efficiency of the template design. The most original entry will win \$1000 cash!!

All entries become the property of Microsoft Corporation.

Send your submissions to:

One-to-One with Microsoft
Dept. BB
Microsoft Corporation
One Microsoft Way
Redmond, WA 98052-6399

Please include your phone number. ▲



The Variety Store

(New or unusual hardware/software/applications for IBM small computers and compatibles.)

At the top... What's really BIG? Looks Like SMALL PC's

Smaller is really big in PC media news these days. Shift toward smaller footprint PC's is becoming more apparent as maker after maker begins touting their new, smaller (and faster) desktops. Days of the "standard" AT box are definitely numbered.

Workstation makers are joining the big small revolution. Sun Microsystems, maker of the SPARC (RISC) workstations that put Apollo under, announced in early May they'd be releasing a new, low-cost desktop workstation that will compete mano-a-mano with the upper range PC's such as the i486 PC's coming on the market.

Toshiba may be totally one-upping the crowd with a soon-to-be-announced portable workstation. A laptop UNIX machine with high-res graphics? DART will never be the same if the pocket-protector crowd gets a-hold of these.

Think I'm kidding? First Saturday lives

Good place to find the smaller boxes is Dallas' traditional "First Saturday" electronics - ham-radio - computer flea market. Almost every dealer there is selling both the diminutive desktop cases as well as the petite, mini-tower case configurations.

Local rumors hinted that "First Saturday's" days were also numbered. Lots of versions why.

Most ridiculous rumor was that Trammell-Crow was pushing Dallas to close down "First Saturday" in favor of "Super Saturday" at INFOMART. Really ... Although I do

love a good, really malicious rumor (probably better than most) this one is stupid on a bunch of levels.

Better bet department: One of the Crow crowd was really hacked when she felt the opening of the very high-rent, Dallas Arts District was marred by the clutter (trash) left after an unfortunately proximal "First Saturday" just before the gala event. Guess she figured the normal denizens of that area on weekends and after dark were part of the "First Saturday" crowd too.

The street folks must *not* have offered her a hit of "Green Dragon" or "Mad Dog 20-20" to top off the night's festivities.

Gestapo doesn't prevail ...

Visitors to the Ross Avenue - Central Expressway site of "First Saturday" May 5, may have noticed some changes - like many, many Dallas Police cars and friendly folks writing lots 'n lots of parking tickets around the old HeathKit store location. Didn't do much good. Crowds looked like the largest ever for this monthly event.

Did notice a few Market Center security vans as well. (Market Center is another Crow property). If their purpose was to present the Crow "image", they did. Love to know what PR "genius" dreamed up a scheme that combined to make both Trammell-Crow and Dallas look so petty.

Just re-read the subhead. Haven't been able to use a flower-child language-style like that since the 60's. It's still fun.

Rumors swamp Ashton-Tate After Esber's April Exit

Missed product deadlines aren't the only things that come and go at Ashton-Tate these days. Edward J. (Ed) Esber, A-T's head for the last five years, resigned both of his Ash-

ton-Tate posts - Chairman and Chief Executive Officer - April 30 amid a sea of rumors.

Rumors that Ashton-Tate is for sale weren't abated by Esber's departure. Described by many industry analysts as "owning the PC database market" A-T has had a number of very unspectacular quarters over the past two years. Failure of Ashton-Tate to get *dBASE IV* back into *dBASE's* former leadership position is often cited as a symptom of A-T's fall over the last several years.

Potential successors to A-T's crown position have been aggressive in reducing *dBASE's* PC market share from 60% to 42% over the past three years according to an article in *The Wall Street Journal*, May 1, 1990, on Esber's departure. Other media sources speculate that *Oracle* is the front-runner in the race.

Meanwhile, the long-promised update to *dBASE IV* has been delayed again according to media wags. A-T folks, however, are saying the new version, 1.1, is close to certification and are planning "technical presentations" around the country to show off its features (bug fixes).

Microrim Shipping R:BASE 3.0 100% ANSI Level 2 SQL in 640K

Further North, Microrim (Redmond, WA) announced shipping of R:BASE 3.0 April 30.

Featuring a much simplified user interface, 3.0 includes a fully-integrated 100% ANSI Level 2 Structured Query Language (SQL) in only 640K of PC memory. According to Microrim's news release, R:BASE 3.0 is the first (PC) DBMS to accomplish this feat.

Media reviews of the new Microrim product have been very positive, particularly about 3.0's new ease of use for PC users with graphic-style pull-down menu inter-

face and prompting through dialogue boxes.

At the local level, Jim Hoisington, NTPCUG President-Elect, reports that Dr. Neil Bennett, former NTPCUG Advanced Programmer SIG Leader, was highly instrumental in development of *R:BASE 3.0's* SQL capabilities.

Updates for registered *R:BASE* users will cost \$175 through June 30. For more information contact Microrim at 1-800-248-2001.

CorelDRAW \$10,000 Design Contest winner announced

We've seen hundreds of contests announced over the years. Very few go to much effort to tell you/us who won — unless they're pushing another contest.

Canada may be different. Corel Systems Corporation, publishers of *CorelDRAW*, announced the winner(s) of their year-long design contest in March. David Brickley, a freelance artist from Moss Beach, CA, was the grand prize winner this year and \$10,000 (Canadian) richer.

According to Corel, the contest was open to all registered *CorelDRAW* users and over 300 entries were received from 12 countries in this year's contest. Categories included: Best of Show, Fine Art, Commercial Application, Black and White and In-house. Entries had to be produced via *CorelDRAW* and submitted on floppy disk accompanied by hard copy reproductions.

Sponsors in this year's contest included Corel, Hewlett-Packard, Seiko Instruments, Ricoh, Softsel Computer Products, Xerox Canada, Artright Software and Microsoft. Prizes were presented by Michael Cowpland, Corel President and CEO.

Ah, Perestroika -- A Cyrillic 4.01

Don't know if this represents a major breakthrough or not, but Microsoft announced a release of a Russian-language version of MS-DOS 4.01 in April.

According to Microsoft, "MS-DOS 4.01 is the first Microsoft product lo-

calized for the Soviet market." The Russian DOS version supports an on-screen Cyrillic character set and also supports printers with Cyrillic fonts. Microsoft stated that menus, dialog boxes and on-line help files appear in Russian. The Russian DOS brings foreign-language DOS versions to 13. This includes versions in Arabic, Chinese, Hebrew, Japanese (Kanji) and Korean (Hangeul).

Guess who was visiting in Moscow for the announcement. Does Bill Gates also pogovorit' ruskij (Russian) as well as DOS, OS/2 and WINDOWS 3.0?

A disquieting thought — DOS 4.01? Why not 3.30A? Hmhmhmhm.

In any language, 5.0 Is definitely coming

If you tout a rumor long enough, it'll eventually happen. DOS 5.0 is on its way. Don't know if the command line will be in Russian or American, but Microsoft and media insiders say it will certainly be smaller and faster than its older, slower, much-bigger brother, 4.0

Story is that IBM has dropped out of the DOS creation/enhancement game and given it back to Microsoft since the debacle of 4.0. Supposedly this version will support real memory management, be able to detect the CPU and arrange itself accordingly, and be sufficiently discrete to fit in 20K if necessary.

5.0 is due out (according to lots of rumors) before the end of the year. Read that COMDEX/Fall '90 more than likely.

Norton woos UNIX Weenies, Mac Hackers with Utilities

Hold on to your pocket-protectors and Twinkies! Peter Norton Computing is on the verge of releasing a UNIX version of the (PC) famous Norton Utilities.

Further Norton plans include Macintosh Tools as well.

Macs need them. But haven't the UNIX aficionados been telling us all along that UNIX was so complete they'd be unnecessary or at least redundant? Featured will be the Norton Unerase and 17 other

utilities designed for UNIX, and they are expected before the end of the year.

IBM Enhances and Abandons ...

News from Armonk. *DisplayWrite 5* marks a shift in IBM tactics. Formerly noted for a kludgy interface and lack of support for non-IBM peripherals, the new *DisplayWrite* is a real change of pace.

First, a list of printers including many, many non-Blue machines indicates the end of IBM-only support. These supported printers are those you're likely to find in almost any office, too.

Second, IBM is real specific in defining non-IBM, expanded memory drivers that the new version supports, as well as real memory limitations involved in the program's advanced graphical features.

Welcome to the real world.

IBM Giveth — and taketh away

Armonk listed 17 products that will no longer be supported after July 3, 1990. Some of these are a real surprise, especially since most of us thought they had been abandoned years ago.

Among the "losers" that IBM won't sell after July 3 were: *PC-DOS 2.1*; *CP/M-86*; *Professional Editor*; *Personal Editor*; *Word Proof*; *TopView Version 1.1*; *TopView Version 1.2* and *Hands on Basic* for the PCjr.

We'll miss *Word Proof* and *Personal Editor*. We'll even bet there are still a bunch of users who are still working on DOS 2.1. But, *CP/M-86*? I haven't seen a copy of that since '87 when Half-Price Software had a barrel-full for sale at \$9.95.

For those users with short memories, *CP/M-86* was one of the three operating systems (along with *PC-DOS 1.0* and the ill-fated UCSD pseudo systems) originally available when the IBM-PC was introduced in 1981. Hint: *PC-DOS* sold for \$30 while the *CP/M* and *UCSD OS's* listed in the \$400+ range — in 1981 dollars.

Fonts here, fonts there Fonts, fonts, everywhere!

Thought I'd finished with fonts for awhile. Wrong!

I've got a very, very full hard disk. Started getting those obnoxious DOS messages confirming a lack of disk space. Time to weed some of the surplus files. Found 6.3M of soft fonts!

Also found Bitstream *Fontware* 2.0 "kits" taking up 3.3M of disk space. Had Fontware for Ventura Publisher and a word processor. Plans to install soft fonts for two other packages will result in equal space demands. Most of the font files themselves were duplicated between the two applications packages, same for the Fontware "kits."

Bitstream has released version 3.0 of *Fontware* and a single kit will

handle *Word 5.0* and *Windows* (including *Word for Windows*). Separate kits, however, are needed for *Ventura Publisher*, *WordPerfect 5.1* and for several other applications

Why?

Hewlett-Packard's (really Agfa Compugraphic) *Type Director* kit is able to make fonts for all the packages listed above from one (1) installation kit. Granted, I'm not that enthusiastic about their Times Roman equivalent, CG Times, but Univers 1 is an extremely pleasant sans serif face that's more readable than most Helvetica look-alikes.

Guess the difference is that Hewlett-Packard's approach was (naturally) printer oriented, based on the concept that most users have one "good" printer, but lots of applications.

Immediate solution? A new, bigger disk -- or wait for Expanz!

My space - font problems were solved via a much larger (and faster) hard disk. Maybe I should have waited a little longer.

InfoChip Systems have begun touting their Exapanz! Card, real-time data compression board that effectively triples existing disk capacity. New card will retail at approximately \$150 - \$200 and is reported to increase effective data transfer rates by about the same factor.

Sounds too good to be true at first, but has been reported by several major PC media in late April, early May. Makes a \$1200 disk look really foolish at first reading.

ON COMPLEXITY

No. 40 in a Series

By Jim Hoisington

Shrink wrap marketing got put on the critical list last Friday. We all knew it wasn't in the best of health. But still, the announcement late Friday, after the stock market closed, came as a surprise.

Shrink wrap marketing is the way that most of us have bought our PC software for the last eight years. The clear plastic film encloses a package. Barely visible through the plastic file is some sort of licensing agreement. Break the film and you've licensed the software.

The symptoms of illness have become more and more noticable in recent years. More and heavier manuals required shrink wrapped cartons. Large numbers of floppy disks with labyrinthine installation programs required multiple calls to help lines just to get the software installed. We all knew there were problems and sometimes, over coffee on a Saturday morning, we talked about them in hushed voices. But nobody wanted to publicly admit that they couldn't install the latest release of their favorite software package. We should have done something while there was still time.

For those of you that missed the announcement, two companies that have products that are not and cannot be

marketed via the shrink wrap method, merged to form one of the largest PC software companies. Lotus and Novell are now one.

Novell has always had a trained cadre of dealers to install and maintain Netware. Having sold and supported several copies of Netware, I can tell you that it's not simple. I went to several schools before attempting the task. And, I always made sure that I had the backing of a Novell Gold dealer to handle the problems that were out of my league.

Lotus has known from the beginning that NOTES would not be the kind of software package that could be dropped off and abandoned at the user's doorstep. Installation and training are a matter of weeks, not hours.

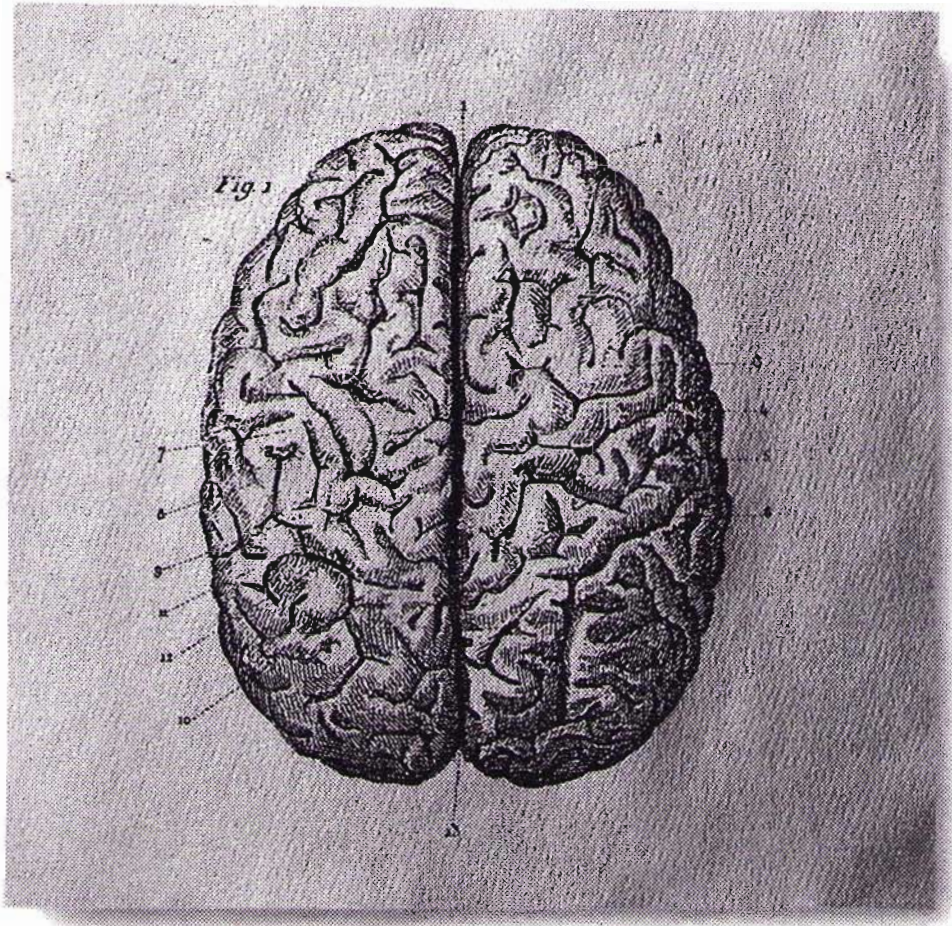
What brought on the illness? I think that the kinds of things that we are now requiring of our more powerful PCs are just too complex to be handled the old way. Support and training are not only important, they are vital.

I'm sure that shrink wrap marketing will linger on for some time. Sure, there are companies out there right now working on artificial intelligence methods that will make installing those 49 1.4 megabyte floppies "real easy". And if you'll just take the time to read through their 25 volume series entitled "Quick Start", you'll do just fine.

I sure am going to miss the crisp, fresh sound of that plastic film tearing with each new update.

Jim

Now QuickPascal makes this software go even faster.



Even the quickest minds tend to brake suddenly when confronting new languages.

Enter new Microsoft® QuickPascal Compiler.

The first Pascal that is not only powerful but easy, intuitive and 100% headache-free.

For example, our new hypertext QuickPascal Advisor offers on-the-job training: by cutting and pasting sample code you can learn to program in Pascal from scratch. And if you do hit a snag, the Quick Advisor can straighten everything out right on the spot.

To accelerate your thought processes even more, all of our processes are seamlessly integrated; no other Pascal offers you easier

access to your editor, debugger and compiler.

What's more, QuickPascal is the first PC Pascal to offer Object Oriented Programming, or OOP. With objects, you can easily assemble whole programs from modular building blocks of code and data. And once you know Pascal, OOP is a snap. Which means, you get maximum productivity with minimum effort.

Naturally, our Pascal is also fully source compatible with Turbo Pascal®.

So stop by your Microsoft dealer soon.

You'll find our software is on the same wavelength as yours.

Microsoft®
Making it all make sense™



Selected



SIG Happenings

News and meeting notes of Special Interest Groups

(Material for this column should be sent to Andy Oliver, SIG Coordination, before the 10th day of each month)

BASIC SIG

My thanks to all those who attended May's kickoff meeting for our new BASIC SIG. I was frankly surprised at the number of attendees and will work hard to prove worthy. The May meeting was a general direction-setting session that produced the following interest areas for future discussion: - general information on BASIC - graphics programming - data and file manipulation and conversion - which BASIC to buy/use/convert to - libraries - mixed-language programming (i.e. C and Assembler with BASIC)

For June, we will begin a discussion of libraries for BASIC, both third-party add-ons and constructing libraries of our own. We will examine what a library is, why we use it, how we create it, and how we manipulate it to our advantage. Along the way, we are sure to examine various aspects of BASIC-language programming and will try to answer any questions that may be appropriate.

Judging from the response of the group, there are a number of our members who are just getting their feet wet with BASIC. For those of you that have attended the Beginner's BASIC session, our sessions should prove to be a good place to continue. Finally, at the suggestion of one attendee at the May meeting, I have considered several books as appropriate guides for our meetings. I will have these titles at the meeting, and we will try to select one to work from. Using a common reference will help the group to stay focused and allow the members to study at their own pace between monthly sessions. See you at the June meeting...

Kent Kingery

Beginner's Pascal SIG

In May, we discussed FUNCTIONS and some of the considerations in

deciding whether a sub-program should be written as a Procedure or a Function. And, we learned what "Boolean" operators and expressions are, and why they are so important in writing Pascal programs - or programs in almost any language, for that matter.

We began investigating the Boolean structures

```
IF - THEN - ELSE
WHILE
REPEAT - UNTIL
CASE
```

and will continue with these in June. We may be ready to start in on File operations during the June meeting, and will continue with those through July.

Again, we urge the attendees to use the club's Bulletin Board for questions or help with programming.

Phil Chamberlain

Communications SIG

The May Comm SIG was a joint meeting with the LAN SIG and was lead by our guests from Southwestern Bell in a panel discussion about ISDN (Integrated Services Digital Network). The panel answered questions and made the ability and benefits of ISDN more clear to SIG participants.

Looking down the road to July, we are discussing a communications product demo with Worldwide Technologies Inc. from Richardson, Tx.

Bring your questions and comments to the Comm SIG. See you there.

Pete Testa

DAC SIG

Attention all DAC users, the new updated DAC 4.1 Accounting is now released to the General Public. While using the updated Version in

my shop, it seems that DAC has exterminated most of the "Bugs" that were in the original DAC 4.0 release.

The processing time for posting purchase orders has increased immensely. It seems that DAC has fixed the posting routine so that the integrity of the post is true.

Now for the people who have Read/Write errors in the product file, 4.1 has added a utility routine that will recover any records that were corrupted in the upgrade from DAC 3 to 4.

If you discovered that in your purchase journal you have products that will not clear off after posting, I'm sorry, but right now I have no answer for you. In the near future, DAC will release the edit Disk for the new update. This, I hope, will cure the agitating glitch.

The version that was released was for the single station PC user. The Communication package will be released as soon as the single station user version is perfected. Come down and C what DAC can do for you.

?

Database SIG

At the April meeting we discussed lesson 1 of the DBASE IV WORKBOOK. In May we demonstrate the examples from lessons 1, 2, and 3. Lesson one explains the concepts of building a database. This includes usage of the Data panel, saving, editing, browse mode, and use of the escape key. Field characteristics such as: names, types, and memos. This is the schedule we will use over the next few months, see you there.

May

Lesson 2 will show us how to search and edit a database. We will learn how to:

- * locate a record while in Edit or Browse mode.
- * set up a view query to list only those records that meet a certain condition.
- * list in a view query only those fields you need to report.
- * display the results of a view query operation.
- * save and retrieve a view query.

Lesson 3 will show us how to design complex queries. The lessons will show us how to:

- * build a search condition on more than one field
- * calculate a new category of information

- * summarize information in one or more fields
- * group information by unique values of a field

June

Lesson 4 will show us how to index and report information. The lessons will show us how to:

- * generate a quick report of the current database or view
- * format a report with page numbers, dates, titles, and descriptive column headings
- * organize a report by using an index
- * control the detail of a report by specifying fields and by controlling how the fields are displayed
- * group report details
- * calculate new information in reports
- * summarize data in a report
- * modify the appearance of report information by using lines and style options such as boldface type

July

Lesson 5 will show us how to build a multi-file system. The lessons will show us how to:

- * set up a system that includes and manages two databases
- * use the structure of one database to design the structure of another database
- * modify the structure of a database by adding and deleting fields
- * edit a database using keyboard macros
- * append records to a database from a data list in anon database format
- * set up a file catalog to store all files that belong to an application

Vincent Gaines and
Rodney Haas

DOS SIG

Since DOS 5.0 is coming, maybe Jim Hoisington, DOS SIG CO-leader, can speculate on the new DOS and how it will change our PC habits. Rumors are spreading in various media that memory managers will be obsolete with the new DOS.

Will that be fact? Should Phar Lap, Qualitas and "that other memory manager maker" be worried? Or, will Microsoft drop the ball and yield to the pressures of the East Coast 1-2-3 Mafia? And, where does WINDOWS 3.0 fit into the picture? Will DRI come to the rescue? Will 5.0 cost as much as OS/2 2.0 when it's finally delivered?

For those members living in the present, most of the DOS SIG's June Meeting will be focused on how to make 3.30 and 4.01 behave in day-to-day operations. Hoisington and Andrews will attempt to make sense of the real confusion surrounding DOS, WINDOWS and alternate memory managers available now.

Conforming to the now usual format, the June DOS SIG meeting will end in the accustomed Q & A format.

Reagan Andrews

Genealogy SIG

The April meeting featured a presentation on the Family History Center by Hollacé L. Herveby from the Center in Denton, Tx. Holly described the centers and told us how to use them. She handed out a 17 page pamphlet entitled 'A Guide to Research, Family History Center'. The Family History Centers are branches of the Family History Library of the Church of Jesus Christ of Latter-day Saints (LDS, the Mormons) in Salt Lake City, Utah. They are open to everyone, not just church members. (60 to 70 percent of their users are not members).

The Family History Library in SLC has gathered (and continues to gather) genealogical records from all over the world. In 1988 they had over 100 micro-filmers filming original documents in courthouses, churches, and other archives in countries throughout the world. These films are kept in Salt Lake City and are available for loan to the local Family History Centers. In 1988 their collection included 1.5 million rolls of microfilmed records, 200,000 microfiche, over 195,000 books, and many other records. Holly said each FHC is staffed by volunteers (many of whom are not LDS members). All of them are courteous and very willing to answer your questions. They will help you order, and show you how to use, the records from the main library. Rolls of microfilm may be ordered for loan. The cost is very reasonable (about \$3 for a 3 week loan of a reel of micro-film). Microfiche cost about 15 cents each and are retained in the local center. Books cannot be obtained on loan (unless on film), but most can be seen in Salt Lake City. The local centers have several microfilm and microfiche readers. Each center will have a microfiche copy of the International Genealogical Index (IGI). This is an index of names that have been extracted from various records. All of their source documents have not yet been indexed (this is an on-going ef-

fort). The 1988 IGI lists the names of over 121,000,000 deceased persons! The index contains a number identifying the source of the information. This source document can be ordered from SLC if the local center does not already have it.

There are several Family History Centers in the DF/W area. They are not all open the same days and hours. Denton is open Tue 10-2, Thur 2-10 and Sat 9-1. Plano is open Tue-Thur 9:15-9 and Wed/Fri 9:15-5. Call them to confirm their days and hours of operation. The centers are located in:

DUNCANVILLE
1019 Big Stone Gap (214) 709-0066
DALLAS
10701 Lake Highlands Dr (214) 931-2672
FORT WORTH
5001 Altamasa Blvd (817) 292-8383
8401 N.E. Loop 820 (817) 284-4472
PLANO
2700 Roundrock (214) 867-6479
DENTON
3000 Old North Road (817) 387-3508

The May meeting featured a presentation by Joyce Jones on the FAMILY ROOTS genealogy program. The Lancaster Genealogy Society (dues \$5 per year) meets at 7PM the 2nd Tue of each month at the Veterans Memorial Library. The complete 1988 IGI and other film is available. Parking is free.

Ronald Fairbrother

LAN SIG

I hope you all enjoyed the ISDN presentations in May and found them to be informative and helpful.

The June 9th LAN SIG session will feature a representative of Saber Software, a local Dallas company, who will demonstrate their LAN management software products. You won't want to miss this one! Products like these from Saber Software could make the life of a LANer much more pleasant.

See you at 10 am.

Bernie VanRoekel

Lotus SIG

The subject for the May meeting of the Lotus SIG was spreadsheet publishing. Two packages were demonstrated. Charles Sultt, a member of the NTPCUG and a Lotus SIG regular, gave a demonstration of ALWAYS. ALWAYS is currently being ►

shipped with 1-2-3 release 2.2. Then, Mark gave a demonstration of IMPRESS from PC Publishing. Spreadsheet publishing packages can dramatically improve the quality of the printed material. However, the printed material is worthless if the numbers and analysis is incorrect. Therefore, make sure that the analysis is correct, then work on the publishing side.

Mark also had to back track a little. In April when he presented the Macro Manager Add-in Manager, he demonstrated the macros in the Macro Library distributed at the meeting. But he failed to discuss how to create and edit MLB files. So Mark spent about 5 minutes at the beginning to discuss that issue.

The June meeting will be a presentation on creating models. Everyone has their own ideas on creating models or spreadsheets. But there are a number of conventions or tricks that are helpful and good for almost any circumstance. The discussion should help anyone who sits at a 1-2-3 screen and does not quite know how to get started - or would like to get started quicker.

The Lotus SIG always takes time to answer questions about problems or any subject related to Lotus 1-2-3, Symphony, and other spreadsheets. If you have a question, come on by and ask.

Mark Gruner and Pat Henley

Personal Users SIG

This Special Interest Group (SIG) is for you ... if you consider yourself any of the following: ... a novice ... a new PC owner ... a beginner with PC's ... a person curious about PC's ... a soon-to-be PC owner ... a personal (versus professional) PC user ... or ... a PC user needing to review some "fundamentals".

We offer sixteen (16) individual, stand-alone classes covering the "fundamentals of personal computers." Four classes are offered at each monthly meeting of the North Texas PC Users Group (2nd or 3rd Saturday on the 7th floor of the Infomart in Dallas). After four monthly meetings (covering four classes each), the entire 16-class curriculum is begun again. The classes are presented in numerical se-

quence, but you can take them in any sequence convenient to your personal schedule. The classes always start each month at 9:00 AM, 10:00 AM, 12:00 Noon, and 1:00 PM. Since each class is a "stand-alone" ... i.e. self-contained and NOT requiring any other classes as prerequisites ... you can begin attending at any time convenient to your other priorities and schedule. In addition to receiving informative instruction from people very knowledgeable in their field and class topic, you also receive a set of handout notes for each class, to allow you later review. There are no homework assignments, no pressures, no tests, and no dumb questions. You don't even have to be a member of the NTPCUG before you attend ... **ALTHOUGH YOUR ARE ENCOURAGED TO JOIN NTPCUG AND VOLUNTEER YOUR TALENTS.**

This 16-class curriculum of PC fundamentals is specifically designed to be the kind of learning experience you always wished existed ... where you are accepted just as you are, and where you can gain knowledge without the hassles ... and best of all ... the classes are FREE!

Join us as we learn and review "THE FUNDAMENTALS."

The four classes for JUNE 1990 will be:

- 9:00 AM Class 9.1
- Genesis & Overview of PC Languages
- 10:00 AM Class 10.8
- NTPCUG Disk-of-the-Month (DOM) Library
- 12:00 Noon Class 11.1
- PC Graphics Mode
- 1:00 PM- Class 12.1
- Bulletin Boards & Archiving Programs

Bob Presley

Unix SIG

Last month, if all went well and everyone paid attention, we all learned about Unix shells. For those who didn't pay attention Unix shells are the user interface with the operating system. Shells allow the user to give the computer commands and much more. They also allow the user to customize the environment thru setting shell variables. If you don't like your prompt or you want another directory in your path just change it. For that matter if you don't like your shell just change it. There's nothing

sacred about the shell. It's just another program.

Which brings me to the subject of the June SIG. This month we will have a representative of Robert Reese and Associates demonstrate Open Desktop, a product of the Santa Cruz Operation. This is a Graphical User Interface (GUI) which provides a friendly environment for the user. The older shells were designed by programmers for programmers. But with more and more novice users working in a Unix environment the demand has grown for a more user friendly interface. Open Desktop is a complete graphical operating system for Unix and Xenix which supports multitasking and meets the X/Open standards.

Douglas Scott

Volunteers SIG

The Community Volunteers SIG is growing. We are now up to 35 members. A recently distributed survey has returned hardware and software preferences of over 100 non-profit organizations. Our current successes include match-ups with Old City Park and the Salvation Army. Students at Skyline High School recently entered the docent's manual into Word Perfect 5.0. Now Old City Park has a laser printer typeset docent's manual.

Gary Johnson has taken over newsletter production for the Salvation Army Social Services Division. He wanted to make more use of Ventura Publisher in his home. Now, he is on his way to setting up his own personal publishing empire. If you are interested in helping the community with their computer efforts, come by our next 9:00 SIG meeting. In June, we will be holding a "reorganizational" meeting to try to spread the load a bit more.

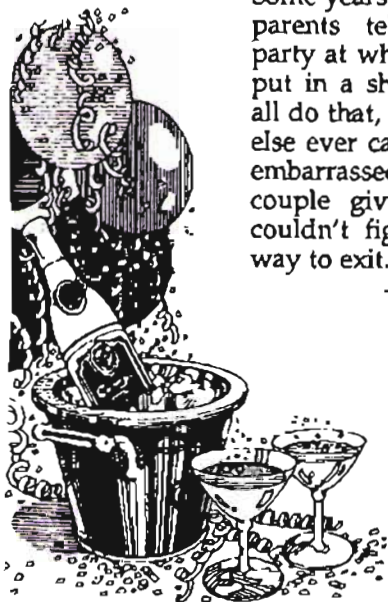
Jay Shilstone

Word SIG

Where's Microsoft Word 5.0A going? After the spirited May Word SIG meeting's exploration of page layout software vs. word processing software, consensus of Word SIG members was that most of us are still undecided and eager to explore possibilities in our

What if you gave a party and nobody came?

by Connie Andrews, Volunteer Coordinator



Some years ago I remember my parents telling me about a party at which they planned to put in a short appearance (we all do that, right?) - but nobody else ever came! They felt very embarrassed and sorry for the couple giving the party and couldn't figure out a graceful way to exit.

Well, let's flip the situation. What if you gave a party and all your guests showed up but the caterer and staff couldn't make it? In such a predicament, usually a lot of last minute punting is done and things may or

may not come off OK. If you're lucky, your guests may not even know that anything was wrong in the first place and that you're about to have a major heart attack.

So, walk with me through this. What if we gave a Super Saturday and it was a lean month for volunteers? What would we do? How would we cover for it?

Well, folks, we've been doing it all along, some months more than others, and I bet you haven't suspected most of the time. We have a dedicated

Selected SIG Happenings continued

present software rather than learn still another major package.

Advent of the third-party style sheets will be considered as well as the power built into Word 5.0A that allows (encourages) users to develop their own set of layout standards in daily usage. Toward this end, the June Word SIG Meeting will be devoted to enhancement of Word's innate layout power via customizing Word 5.0A Style Sheets and MACROS.

Meeting will revolve on a question & answer approach coupled with live demonstration(s) illustrating ways to modify and enhance existing Style Sheets, MACROS and printer fonts to achieve a unitary design approach to document production.

Reagan ■

group of core volunteers who give extra of their time when needed, so maybe you don't even notice when times are tight.

And maybe that's a problem in and of itself - calling on seasoned volunteers too much and burning them out. We have over 1300 members and I would estimate that maybe 400 to 500 have volunteered during any one year. That means a few of us are sort of, well, hitchhiking...

With membership, all sorts of benefits occur. And our benefits are nothing to sneeze about - a top-notch newsletter with a lot of good information, a newsletter renowned as being one of the best in the User Group community; with articles being reprinted continuously by other User Group publications; BBS access to a bulletin board with a great deal of information exchange; access to drawings for members only for door prizes at presentations; newsletter exchange; DOM discounts; and the chance to meet and exchange information with a lot of other members.

So, who's making sure those benefits occur? You got it - our volunteers. And since we don't have any paying positions, that's the only way those benefits and our User Group will continue to exist - through the efforts of all of our volunteers as a team - being dedicated to our continued existence.

That's how I got involved - a plea for volunteers I heard one too many times. I felt it was finally time to give back. I never intended to get locked into this volunteer thing as much as I have but I have gained from my experience. I've met many good people, developed friendships that I treasure, learned a lot about computers along the way, and helped others learn about computers, too. That's what it's all about, after all.

We like to encourage our members to participate in volunteer activities. Consider giving an hour or so of your time during your membership year as an investment in making sure our User Group continues to exist. We all need to help share the load...

Hourly positions are always waiting to be filled at the DOM Table, Information Booth and other areas on Super Saturday. If you can't make a meeting, there are plenty of other activities going on throughout the month - software review for DOM disks, helping schedule events, calling for volunteers, etc. We need somewhere between 125 and 150 volunteers a month to make sure all events are covered.

Contacts for volunteer areas are posted in the sidebar attached to the "Inside the North Texas PC Users Group Community" article published in each newsletter. Call and commit - you'll be glad you did - we'll all be glad you did!

Think about it - what if we gave a Super Saturday and our volunteers didn't show up? Please help...!!!

Connie ■

Inside the North Texas PC Users Group Community

Connie Andrews, Volunteer Coordinator

So, you're asking yourself, what happens to former Anchors? I mean they don't just drop out of sight - they're all around in many positions.

Take Archie Pinkney. As in the Vendor Manager... I've been down there in the vendor area when things are cooking and I can tell you it's not an easy job by a long shot. Archie graciously agreed to take over the post from Bob Russell early this year. In the process, we lost him as an Anchor - at least for awhile - during his TDY (temporary duty). It takes a lot of patience to get through the day in his current position, and, knowing Archie, his sense of humor helps see him through.

By the nature of his job, Archie works for the CCD, but he started with us and he's one of us doing what he can do best for the NTPCUG - being himself and filling a job when it's asked. THANKS, ARCHIE!!!

In this issue we are acknowledging volunteers who served for the month of April. Don't forget our officers, directors, SIG coordinators and leaders, newsletter publisher, editor, staff and writers, newsletter exchange and BBS SYSOP and staff are all volunteers; their names are listed in other sections of this newsletter.

INFOMART Liaison
 Stuart Yarus
 Archie Pinkney
 Katherine Johnson
 Martha Eickman

Presentation/Equipment Setup and Breakdown
 Timothy Carmichael
 Mike Willman
 Chris Young



Utah State University
 Invites you to an
Instructional Technology Summer Institute
 July 25-28, 1990
Automated Instructional Design

Presenters Include:
 Carl G. Symon - IBM
 Doug Towne & Allen Munro - USC Behavioral Technology Laboratories
 Daniel Russell - Xerox Palo Alto Research Center
 Bill Johnson - Galaxy Scientific Corp.
 Marc Meurrens - Brussels, Belgium
 M. David Merrill, Zhongmin Li, & Mark Jones - Utah State University

For more information contact
 The Department of Instructional Technology
 Utah State University
 Logan, Utah 84322-2830 (801) 750-2694

BBS Champion
 Doug Gorrie

Information/Registration Booth
 Joe Aderhold
 Mike Ashley (Anchor)
 Jim Caraway (Anchor)
 Mark Cook (Anchor)
 Lonnie Cordell (Anchor)
 John Dyer (Anchor)
 Eteta E. Eta (Anchor)
 Paul Fredd (Anchor)
 Joe French
 Martin Gluck (Anchor)
 Rick Griffith (Anchor)
 Judy Griffiths (Anchor)
 Barry Halgh
 Allan Harbough (Anchor)
 Hank Holt (Anchor)
 Claudia McDonald (Anchor)
 Lloyd McKeethen
 Fran Meines
 Anthony Nagy
 Xelta Nagy
 Andy Oliver (Anchor)
 Portia Ray
 Margaret Reeves
 Raymond Reyes (Anchor)
 William Stone
 Connie Testa (Statistician)
 Larry Tucker (Anchor)
 Jose Valenciano (Anchor)
 Paul Williams (Anchor)

Disk of the Month (DOM):

DOM Central Committee
 Preston Brashear
 Charles Carter
 Mark Gruner
 Howard Hamilton
 Kathryn Loafman
 Kenneth Loafman
 Virginia Salter
 Ben Weatherall

DOM Volunteer Coordinator
 Bill Drissel

DOM Table
 Roy Bales
 Stan Berlin
 Gene Carleton
 Bill Drissel
 Pat Henley
 Jo Johnston
 E. M. Kelley
 Jim P. Parish
 Bob Post
 Robert B. Reynolds

With Special Thanks to:
 Joe A. Allen
 Shawn Dunn
 Kent Haven
 Chris Nusbaum
 Jerry Stone

DOM Review/Presentation
 Roy Bales
 Richard Bauman (2 reviews)
 Ed Frankenfled
 Mark Gruner (2 reviews)
 Pat Henley (3 reviews)
 John Puckette (2 reviews)
 Ben Weatherall

VOLUNTEER INFORMATION

- 1. Via BBS:** (817) 461-0425 (metro) or (817) 461-0506 (metro). Sign up on the Volunteer Conference - make the subject matter your area of interest.
- 2. Meeting day:** Sign up at the Information Booth or DOM Booth to work those areas in a coming month.
- 3. By phone:**

Auditorium Presentations
 Timothy Carmichael 331-6303 (h)
 661-4626 (w)

DOM Booth Activities
 Bill Drissel 264-9680 (h)

DOM Software Review
 Howard Hamilton 644-5721 (h)

Information Booth and General Information
 Connie Andrews 828-0699 (h)

Disk of the Month

MAY 1990 Disk(s) of the Month:

Disk 483. LEAVMSG 1.1a, Message System for your PC by Dan E. Talbot c/o Pace Design Group, P.O. Box 18062, Dallas, TX 75218-0062. Shareware Fee: \$5.00 per PC

LEAVMSG is a nice little utility that would be great in an office setting for sending and receiving messages while you are out of the office. The person with the PC could put a bouncing message on the screen such as "Out to Lunch". While you are gone, someone else could come into your office and leave you a message so that you can read it when you get back.

The program is completely menu driven. It also has more features than meets the eye. One nice feature is putting a bouncing ball containing the current date and time so that you do not have to look at the DOS prompt all day. The program also has some built-in messages to leave on your PC such as "I'll Be Right Back", "I'm at Phone # _____", "I'm in Room # _____" where you put in the phone or room number. Other built-in messages include "In a Meeting" and "Gone to Lunch". Of course, you can also write your own message.

Those who come by and want to leave a message just have to press F1. Then all they have to do is to put in their name, and up to a 4 line message. They must press return for every line even if the message is only 2 lines long. All messages are stored in a file called LEAVMSG.DAT file on the hard disk.

When the PC user returns to the office, they can press F2 to read their messages. Messages also include the date and time. In fact you can even print the messages. By returning to the main menu, you can view, print, or delete all messages.

The program requires minimal memory. On CGA systems, there may be snow. There is a brief documentation file included on this disk.

This software was donated by the author, Dan Talbot.

This review prepared by Mark Gruner, edited by Kathryn Crawford (5/90).

Disk 484. I-APL/PC 1.1, 3/89 ISO APL Language Interpreter I-APL version 1.1, May 1989. I-APL, Ltd; 2 Blenheim Road; St Albans; Herts AL1 4NR; United Kingdom.

I-APL is a public domain APL conforming to the International Standards Organization (ISO) standard. I-APL has been ported to a variety of machines; this one runs on the IBM PC and PS/2 families of machines and their clones. Monochrome, CGA, EGA, and Hercules monitors are supported. I-APL requires 64K memory to run, and uses Epson-compatible printers.

Printed manuals are available for I-APL. These include a 70-page instruction manual, a 228-page encyclopedia, a 45-page tutorial, and a 36-page note on Social Studies applications. The manuals are available by mail from I-APL directly and cost about 20 pounds total. They may also be ordered locally from the SouthWest APL Users Group (SWAPL), 4537 Atlanta Drive, Plano, TX 75093 for \$20. The instruction manual is sold separately by SWAPL for \$3, and is highly recommended.

This implementation of APL was designed as an educational device to run on home and school computers. The design requirements specified that the size of the interpreter was to be minimized at the expense of execution speed.

This is NOT a commercial implementation for a variety of reasons, but it is a superset of the ISO standard, and hence is an excellent way to learn the language.

Files included on this diskette:

IAPLEXE - The I-APL/PC interpreter, written & implemented by Paul Chapman.
 READ.ME - Essential information and conditions of use.
 CONTENTS - This page of contents of workspaces (WSs).
 IAORDER.PRN - An order form listing items available at 1 April 1989
 IATERMS.PRN - The terms of sale and conditions of use for I-APL
 DFILE.IWS - A workspace giving access to one DOS file at a time.
 PGRAPH.IWS - Pixel graphics: plot points, lines, circles with tiling/stipple.
 EPSON.IWS - Downloads APL characters into FX series printers.
 ALVORD.IWS - The functions in Linda Alvord's book "Probability in APL".
 TRABER.IWS - The functions in Tama Traberman's APL 87 paper.
 DOMINO.IWS - Direct definition implementation of matrix inverse.
 USEFUL.IWS - Some utilities including WS documentation functions.
 TUTORIAL.IWS - The functions in Norman Thomson and Linda Alvord's Tutorial.
 PLANETS.IWS - "A Taste of APL" using command mode only & little or no maths.
 DDDMO.IWS - Direct definition demo presented to APL-Club Germany 3 Nov 87.
 PARTFNS.IWS - Functions for applying operations to partitioned arrays.
 INSANITY.IWS - Solves "The Four Cubes Problem" from book by E. E. McDonnell.
 FASTMAT.IWS - Functions for fast processing of character matrices.
 NEWS.IWS - Technical updates of instruction manual.
 PGCANON.IWS - Functions for manipulating canonical PGLOT arguments.
 FSCREEN.IWS - Full screen: write character matrix or read one from a window.

This software was donated by NTPCUG member Stuart Yarus.

This review prepared by Stuart Yarus, edited by Kenneth Leafman (4/90).

Disk 485. NTPCUG Lotus SIG Disk #2, 4/90 - Macro Library for 1-2-3/Symphony by Mark H. Gruner, SIG Leader.

Mark Gruner has been the Leader of the Lotus SIG (Special Interest Group) since 1987. In his capacity as SIG Leader, Mark gives presentations on various features of Lotus 1-2-3 and other related products. This disk was presented at the April 14th, 1990 meeting of the Lotus SIG.

Release 2.2 of 1-2-3 included an add-in that has long been part of Symphony - a Macro Manager. The benefit of the Macro Manager Add-in is the user can have a collection of macros in memory so they can be used in all worksheets that the user works on without recreating the macros for each worksheet.

This disk includes an eight-page handout on the Add-in menu structure and the Macro Manager menu structure. Both menu structures are the same in both 1-2-3 and Symphony. The handout then presents how to install the macro library file included on the disk. There are both 1-2-3 and Symphony versions of the macro library file. The focus of the macro library is utilities that users use all of the time such as the @SUM command, printing, setting column widths, and formatting cells to name a few.

You should first read the eight-page handout to learn how to install and use the macro library.

The NTPCUG Lotus SIG Disk #2 files included on the disk include the following: General Files: ▶

README - Basic instructions on getting started
 NTPCUG - 485 - NTPCUG disclaimer file
 FILES - List of files on this disk
 VENDOR - Notice to others who wish to distribute the disk
 MACROMGR - Instruction on the Add-in Menu, Macro
 Manager Add-in, and the macro library included on this disk
 TOF - End of Form character - used in PRINT.BAT
 PRINT.BAT - Batch file to print the General Files above

1-2-3 Release 2.2:

AUTO123.WK1 - Autoload worksheet that load macro library
 UTIL123A.MLB - Macro Library for 1-2-3 - version A
 UTIL123B.MLB - Macro Library for 1-2-3 - version B

Symphony:

AUTOSYM.WR1 - Autoload worksheet that load macro library
 UTILSYMA.MLB - Macro Library for Symphony - version A
 UTILSYMB.MLB - Macro Library for Symphony - version B

This Lotus SIG Disk was prepared and donated to the user group by Mark Gruner who is the Leader of the Lotus SIG of the North Texas PC Users Group.

This review prepared by prepared by Mark Gruner (3/90).

Disk 486A&B CADD Level 3 Demo, Generic Software.

The demo is self-running, consisting of slides produced from drawings generated by CADD Level 3. The three levels of Computer Aided Drafting and Design are illustrated in the early screens with all other drawings and feature descriptions relating exclusively to Level 3. Successive screens show line widths and types, numbers of commands of various types, and numbers of fonts. Features such as circles, regular polygons, chamfers and fillets, parallel chamfers and fillets, ellipse, arcs and paths are shown. Another demo package, available directly from Generic called "Sneak Preview" allows the user to test drive Level 3 in three exercises which graduate in complexity. This demo does not permit the viewer to participate beyond pausing, backing up to a previous screen, advancing to a later screen or escaping from the demo. The regular program supports up to 2MB EMS, though that is not required by the demo. The demo is persuasive, comfortably paced and well done.

EGA is the minimum display for this demo. No minimum memory is specified on the software. (Test machine was a 286/10, running at 6Mhz). It will run in color or mono. No printing capability is offered in the demo.

The demo and other information may be obtained from Generic Software, Inc.; 11911 North Creek Parkway South; Bothell, WA 98011; (206)487-CADD or (800)228-3601.

This review was prepared by Pat Henley, edited by Charles Carter.

Disk 487ABC. CADD Level 3 Sneak Preview Program Demo. CADD Level 3 Sneak Preview Program Demo, Generic Software, Inc.

The demo is a test drive without printing (and a few other) capabilities. Otherwise you are compelled to draw successively more complex items as you go through this working program. This program also includes a CADD batch file which functions as a self running demo. Instructions for running the batch file are contained in the file README.TXT. The complete menu system can be viewed in the file LEVEL3.MENU. The program is less intuitive than some low cost CADD programs. However, the interface is similar to Autocadd, the industry standard. CADD Level 3 replaces menus with menus as opposed to offering pop-up or pull-

down menus. The demo program is honest in that a user can experiment with nearly every feature the regular program offers even though 80% of its features are not used in the exercises presented. Overall, the demo is a very satisfying way to learn first-hand what Level 3 is all about. Whether the user likes the way Generic does things, there is no mystery about how the manipulations are achieved by the user.

The program may be run on a hard drive or 2 floppy system. EGA is the minimum display for this demo. No minimum memory is specified on the software. (Test machine was a 286/10, running at 6Mhz). It will run in color or mono. No printing capability is offered in the demo.

The demo and other information may be obtained from Generic Software, Inc.; 11911 North Creek Parkway South; Bothell, WA 98011; (206)487-CADD or (800)228-3601.

This review prepared by Pat Henley, edited by Charles Carter.

Disk 488 Generic 3-D Solids Demo, Generic Software, Inc.

The demo displays successive stages from wireframe (two-dimensional drawings) to solid renditions. Objects may be produced in 256 colors, "lighted" from any angle (producing apparent shadows accordingly), viewed from any angle or distance. Isometric drawings and up to four windows are also offered. Interference checking is shown and described; this allows users of the regular program to draw objects, such as gears, and simulate test operations to assure proper operation. Extrusion technology is shown allowing any two-dimensional object to become a three-dimensional object on-screen, with the example given of a floor plan which becomes a manufacturing plant with various rooms and machines. For users needing a 3-D drawing system with a

number of practical features, this demo will demonstrate the state-of-the-art in micros.

EGA is the minimum display for this demo. No minimum memory is specified on the software. (Test machine was a 286/10, running at 6Mhz). It will run in color or mono. No printing capability is offered in the demo.

The demo and other information may be obtained from Generic Software, Inc.; 11911 North Creek Parkway South; Bothell, WA 98011; (206)487-CADD or (800)228-3601.

This review prepared by Pat Henley, edited by Charles Carter.

Disk 489. Estimator Demo, Generic Software, Inc.

This demo is self-running. Literature accompanying it suggests that the user combine it with CADD Level 3, offered by Generic Software, Inc. to produce a full-featured package to draw an object which Estimator will then decipher into its component parts and list in material and labor costs. The product fulfills a major need of users in virtually any kind of construction, from printed circuit board manufacturers to skyscraper architects. If the actual product works as smoothly as the demo suggests, it should offer a quantum leap forward for small businesses which must create estimates on a regular basis. It is suggested by the accompanying literature that users of other micro-CADD products may be able to convert their drawings through the .DXF standard to a format understood by Estimator. The regular program will handle 16,000 line items of cost. The demo is paced well and informative. Its sole shortcoming is its brevity. Much more detail appears in the narrative literature. For the most information, read the package back at your local dealer.

EGA is the minimum display for this demo. No minimum memory is specified on the software. (Test machine was a 286/10, running at 6Mhz). It will run in color or mono. No printing capability is offered in the demo. ▶

The demo and other information may be obtained from Generic Software, Inc.; 11911 North Creek Parkway South; Bothell, WA 98011; (206)487-CADD or (800)228-3601.

This review prepared by Pat Henley, edited by Charles Carter.

Disk 490. Ample Notice 1.3, 8/89 - Appointment Calendar & Alarm Clock; Mark Harris - Granny's Old-Fashioned Software. Shareware registration is \$30.00.

Ample Notice is an Appointments Calendar and Pop-Up Alarm Clock package that can help organize your life. You enter appointments (single or recurring) and notes into a standard text file in a variety of formats, and each day you view a calendar of commitments taken from this file. You can also print out listings to carry with you.

Also included is a program named Outside, which addresses envelopes sideways, so you can print them with a standard 80 column dot matrix printer. Addresses can be captured from the screen or printed from a file. OUTSIDE is simple to use and the Help is good.

Installing and running Ample Notice is easy and well documented in the file INSTALL.DOC. The program uses the NOTES file as input for event scheduling. An editor is included within Ample Notice, or you can create the NOTES file with any other text editor. The entry of an event is a bit tedious and code dependent. The NOTES file included with the package has examples of different types of entries in it such as recurring events, comments, etc. You can print this file for reference/examples.

AMPLE NOTICE is a great program to keep you ahead of your appointments. Ample Notice 1.3 is an upgrade of Ample Notice 1.22 (NTPCUG Disk 0357). ANIST is one of the added features which allows the user to adjust the foreground and background colors of Ample Notice. The changes are stored in the file CONFIG.CAL. Another added feature is the point and shoot feature of adding appointments. This feature is mouse supported. One of the best added features is that you can have the appointment repeated.

This review was prepared by Shawn Dunn, edited by Howard Hamilton, 5/90.

Disk 491. WORDS*WORDS 1.2, 10/89 - A logic game of words; by Walter Blanchard; Blanchard Software; P.O. Box 1650; Norris-town, PA 19401. Shareware Registration \$15.

WORDS*WORDS is a word puzzle in which you are given 18 guesses to discover a secret 5 letter word. You type in any word, and are told how many letters in your word are present in the chosen one, but you are not told anything about the position of the letters in the word. By skillfully planning your next guesses, you can eliminate letters and narrow down the letter pool. The lists of confirmed, eliminated, and unused letters stay on the screen.

Like the previous version, (version 1.2) the program has 50 words, but instead of random selection, which can result in duplications, you choose a number from 1 to 50 from a table. The software records and saves information about which ones have been used. Only real words (there are 6000 in the dictionary file) are accepted as guesses, so you can't cheat by choosing nonsense words to test various letters.

This game doesn't require an advanced vocabulary, but does call for deductive reasoning. It is entertaining and a challenge for any age. Strategy suggestions are included as part of the documentation file WW.DOC. For added interest, you are treated to a quotation or saying, related to each word when you solve it.

When you register, the publisher sends you a full version with 200 more words.

The source for this software was the publisher, Blanchard Software.

This review prepared by Virginia Salter, edited by Mark Gruner (5/90).

Disk 492. Letters 'n Labels 2.11, 1/90 - Mailing List Management Program; by Robert & Rufus; 611 Market ST. #11; Kirkland, WA 98033; (206) 827-4216. Shareware fee \$30.00.

In the manual for LnL, the author states that Letters 'n Labels is a quick and easy mailing list management program. And it is. The program is very simple. It would be a program for people or small businesses that need to maintain a mailing list and have the mailing list merged with a form letter.

To start with, you enter the name and address into a database. This database has a "Dear" line so you can enter the person's first name if you want this included in the salutation. It has 2 miscellaneous lines if you have other items that you want included in your form letter. There is a line for a phone number. Also a line to insert a "code". This code comes in handy if you want only to print out labels to a certain area or to a certain list. Then a code is added while you set up each individual record.

To merge with a form letter, the form letter has to include the word "BLANK" (and make sure BLANK is in caps, otherwise the program will not recognize it) where you want the information to go. Also if you want the letter to have the current date then it must have "DATE" (again in caps) where you want the date to go. LnL can use any form letter that was saved in straight ASCII format (for instance no printer codes can be in the document). I would recommend shareware word processing programs such as PC-Write or Galaxy for this. While you are setting up the program to merge, it will give you the option of selecting certain names or certain codes or manually selecting the names. If you want it in alphabetical order select no, if not select yes. It then asks the lines to use. After you have everything set up you then can select to print out one copy to proof read before printing out all the records. Then to end select x and it closes the database and ends the program.

The source for this software was the publisher.

This review prepared by Shawn Dunn, edited by Virginia Salter 5/90.

Disk 493. MASDIR 4.3, 6/89 - Master Directory System; Bob Stephon; 1021 San Carlos Road; Pebble Beach, CA 93953; (408) 646-1899. Shareware registration fee = \$19.95 - upgrades from 4.2 are \$4.95.

INTRODUCTION:

MASDIR allows the user one-touch control over the display and printing of disk directory listing by combining the features of sorted directory programs, disk labelling programs and disk cover printing programs. Using command line entries or single keystrokes from a menu, the user can sort directories in any of 18 ways and list in 2,4,6 columns without returning to DOS to revise the listing (there are special listing options for hidden files and files that require back-up). Nine printing modes are available for several types of disk covers and for both 5.25" and 3.5" disk labels.

HIGHLIGHTS of MASDIR FEATURES

- * Accepts paths and wildcards just like DIR.
- * Eighteen ways to sort directories, five ways to sort file names.
- * List files in 2, 4, or 6 columns. The more columns the more files displayed.
- * Automatic support for EGA and VGA
- * Change options with a key press without returning to DOS.
- * Interactive TUTORIAL and DEMO plus on-line HELP screen and hardcopy docs.
- * Optionally include hidden files, or list files which need to be backed up. ▶

SYSTEM REQUIREMENTS:

MASDIR runs on any machine using 2.xx or later version of PC/MS DOS. MASDIR supports color (CGA, EGA and VGA) and monochrome display adapters. Printing in the special formats requires Epson/IBM compatibility, but MOBY DISK offers free support for other printers. The MASDIR system also contains supplementary files which are used to document, demonstrate, and customize the features of MASDIR. GET and SDL_SHOW are among these utilities.

MASDIR's manual comes ready to print on any text printer.

This review prepared by K.B. Barton, edited by Kenneth Loafman (4/90).

Disk 494. Applause II DEMO - Business Graphics from Ashton Tate; by Ashton Tate; 20101 Hamilton Avenue; Torrance, CA 90509-9972; (213) 329-8000.

The DEMO features state-of-the-art presentation/slide show graphics including wipes, windows, zooms, pop-ups, and pull-downs. It is lively, colorful and informative. Though self-running it can be paused indefinitely with the space bar and resumed instantly with the return key. The mission of the program is to show how the user can "chart, draw or present" data easily with Applause II. This DEMO is intended for you to go out and buy the program.

You can run the DEMO from a 1.2 Meg Floppy or copy the DEMO.EXE file to your hard disk.

The commercial program will generate as many as 5,000 different colors, 35 different chart styles automatically, including bars, pies, 3-D, Hi/Low/Close, flow, bullet, and organization, to name a few, in color or mono. Applause II operates in a windows-like environment in Hercules, CGA, EGA, or VGA. WYSIWYG with icons, radio buttons and a mouse to speed the user's production. Context-sensitive information appears at the bottom of each screen. Images can be saved in CGM, GX2, HPGL and SCODL formats. Virtually any printer which can be bit-mapped will work with Applause II.

Users may import data or create it for use in a chart. Importable files include WK1, WKS, FW2, FW3, SYLK, CHT (ChartMaster from Ashton Tate), DBF, ASCII, DIF, CGM, PCX, GX2, DIA (DiagramMaster from Ashton Tate), SGN (SignMaster from Ashton Tate), and TIFF. The chart can then be linked to the software which generated its data for perpetual automatic updating. All 3-D images can be rotated for optimum viewing perspectives. Several fonts and 400 clip art images are included in the program. The program succeeds Draw Applause and two other Ashton-Tate graphics generators. The program supports LIM 4.0.

The demo requires 512K, EGA monitor, and a 1.2 Meg Floppy Disk, will run in any video mode and has no output capability.

Ashton Tate donated this software and has a Dallas District Office in Irving, (214) 869-3600, FAX (214) 869-3550.

This review prepared by Pat Henley, edited by Mark Gruner (5/90).

Disk 495. Multimate 4.0 DEMO, 11/88 - Word processing plus; Multimate Demo, Version 4.0, Ashton-Tate Corporation.

This demo requires 512K, a high density floppy drive and EGA or above to run. For viewing comfort, start the computer in Turbo prior to loading the demo.

The demo features a state-of-the-art slide show with multiple wipes, pop-ups pull-downs, animated buttons and icons. It is a very persuasive demonstration of the advantages of the program which was once called MultiMate Advantage. The program should be run at turbo speed due to its high (slow) graphics content. Though the graphics are superb, the show is agonizingly slow. Conversely, there are times when the viewer may want to stop the show with the space bar to study the ideas presented on

screen and then resume with the Return key; conveniently, the demo allows for this.

MultiMate is a quasi-desktop publisher with communication ability. The program can create simple graphics of its own or import from many other applications, transparently and instantly, including graphics, data bases, spreadsheets and other word processors. Other applications may be run from within MultiMate so that the imported item can be inserted in a timely and easy manner. The word processing features include direct reading of other WP programs without changing the format of the imported document; comparisons between documents for revisions; Grammatik(TM) IV grammar checker includes punctuation, redundancy, style, spelling and usage. Statistics are offered on documents which include readability, number of paragraphs, number and type of sentences (declarative, imperative, interrogative). Graphics may be rotated, edited, cropped, scaled or simply viewed once they are on screen. The program is operated with pull-down menus to make its use very friendly. After you learn the shortcuts, you can start skipping the menus.

Bitstream fonts are included in the program. Soft fonts, laser cartridge fonts and PostScript are all supported. WYSIWYG preview in full size, reduced size or facing pages is available in color or B&W. Ashton-Tate offers a service to convert user files to 35mm slides. Electronic mail can be sent or received in background while the user does other things with the program. The demo could change one's mind about word processing and Ashton-Tate.

The demo is available from Ashton-Tate, 20101 Hamilton Avenue, Torrance, CA; 90509-9972, (213)329-8000. A-T has a Dallas District Office in Irving, (214)869-3600, FAX (214)869-3550.

This disk was donated by NTPCUG members Richard Bauman and Pat Henley.

This review was prepared by Pat Henley, edited by Howard Hamilton, 5/89.

Disk 496. PC CRYPTOGRAMS 1.0, 9/89 - 50 Cryptogram Puzzles; by Walter Blanchard; Blanchard Software; P.O. Box 1650; Norristown, PA 19401. Shareware registration \$15.00.

PC Cryptograms is an educational game for people who love cryptograms. This disk has 50 different cryptograms. You must figure out what letter represents what letter. Example: In a line you may have VSN where V = A, S = N, and N = D; making VSN = AND. There is usually a whole paragraph like this, but the letters will be different in each one.

The texts given may be a quote from someone, a saying, or a part of someone's diary. It may seem that you have a word right when it is really wrong. Example: you may have LBY = AND when it really could equal FOR or THE. It is possible that you have several words that look correct that aren't. You may have to give up on the answer and give the command for the solution, but then the solution will change next time you play it. There is also a command to save a partial answer so you can come back to it later.

Various aids such as showing letter frequencies are provided, making the usual pencil and paper work of solving cryptograms unnecessary. If you change your mind about a letter, all occurrences are changed at once.

If you register your copy, Walter Blanchard will send you volume 2.0 which contains more than 150 new cryptograms.

The source for this software was the author, Walter Blanchard.

This review prepared by Chris Nusbaum, edited by Virginia Salter (5/90).



Meetings & Times



9:00 AM - 10:00 AM

American Power Conversion Corporation

Real-World AC Powerline Facts and UPS Solutions

10:00 AM - 11:00 AM

Computer Support Corporation

Arts and Letters Graphic Editor

11:00 AM - 11:30 AM

NTPCUG Business Meeting

1:00 PM - 2:00 PM

DataEase International

Productivity Without the Pain

(See page 1 for description of programs.)

Special Interest Group Meetings

For possible time changes, check the Bulletin Board just before the meeting and the overhead display in the lobby at INFOMART.

Special Interest Groups

9:00 - 9:55
 Assembler
 Community Volunteers
 DOS
 Hardware Solutions
 Personal Users

10:00 - 10:55
 Basic Programming
 Graphics
 Local Area Networks
 Paradox
 Personal Users
 Unix/Xenix

11:30 - 11:55
 Orientation

12:00 - 12:55
 Beginners Pascal
 C Language
 Communications
 Personal Users
 RBase
 Stock Mkt Investing

1:00 - 1:55
 Business Applications
 LOTUS
 Personal Users
 Turbo Pascal
 Windows & OS/2
 WORD

2:00 - 2:55
 Advanced Programmers
 DAC Easy Accounting
 Databases

SIG Coordinator Andy Oliver (214)223-4044 h
 K. B. Barton (214)747-0209 w
 (817)468-3325 h

Assembler Andrew Chalk, Ph.D. (214)228-3461 h
Basic Programming Kent Kingery (214)458-8711 w

Beginners Pascal Phil Chamberlain (214)243-5034 h
Business Applic. Bruce Schubert (214)233-8353 w
C Language Sid Nolte, Ph.D. (214)228-3481 h
 Andrew Chalk, Ph.D. (817)548-1573
 Stan Milam (214)495-7506
Communications Pete Testa (214)618-8002 h
 Doug Gorrie (214)464-7942 w

DAC Software Andrew Laham (214)680-1107 h
 Greg Cohen (214)381-8053 h
 Pudi Shaw (214)669-9633 w

Databases Rodney Haas (214)235-2659 h
 (214)255-4400 h
 (214)407-0070 w

DOS Vincent Gaines (214)418-3101 h
 Jim Holsington (214)828-0699 h
 Reagan Andrews, Ph.D. (214)828-0699 h

Genealogy Minnie Champ (214)644-8643 h
Graphics Richard Terro (214)307-1259 h
Hdw Solutions David McGehee (214)681-0202 h
 Gary Johnson (214)937-9676 w
 (214)937-5851 h

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 Francis Bright

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 Pat Henley (214)229-9216 h

Paradox Fred Williams (214)492-1315
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Volunteers Jay Shilstone (214)627-5751 h
 (214)361-9681 w

Windows & OS/2 James Dunn (214)279-1738 h
 (817)962-4596 w

WORD Reagan Andrews, Ph.D. (214)828-0699
 David McGehee (214)681-0202 h
 Dorothy Bertine (817)387-8983 h



North Texas PC Users Group, Inc.

P.O. Box 780066, Dallas, TX 75378-0066

Phone (214)746-4699 for recorded information about the User Group and meeting dates.

The North Texas PC Users Group, Inc., is a non-profit, independent group, not associated with IBM or any other Corporation. Membership is open to owners and others interested in exchanging ideas, information, hardware, predictions, and other items related to IBM Personal and compatible computers. To join the Group, complete the application blank printed elsewhere in this newsletter, and send it with \$24 membership dues to the Membership Director whose address is shown below. A subscription to the newsletter is included with each membership. The Group meets once each month, usually on the second Saturday. See cover for date, time and place of the next User Group meeting.

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Volunteer Coord. Connie Andrews (214)828-0699

Members Emeritua

Stuart Yarus John Pribyl

NOTE: To access the BBS from outside Area Code 817, use Area Code 817. (This is NOT a toll call from Area Code 214.)

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 Pete Testa
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Payment of dues, address changes, and inquiries about membership should be directed to

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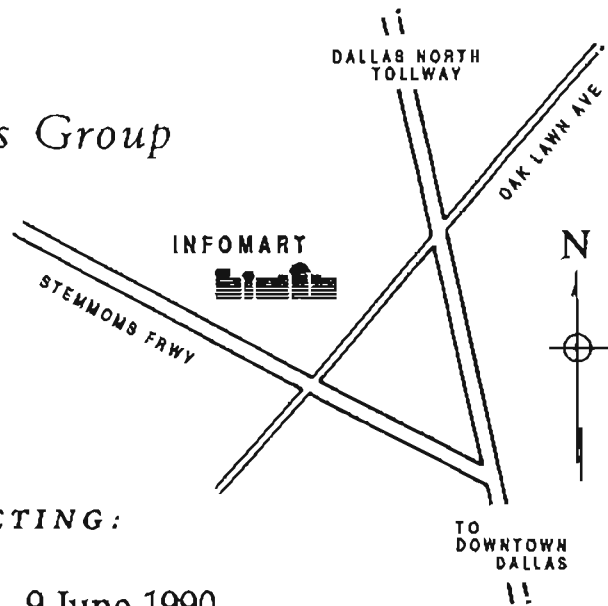
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NEXT MEETING:

9 June 1990