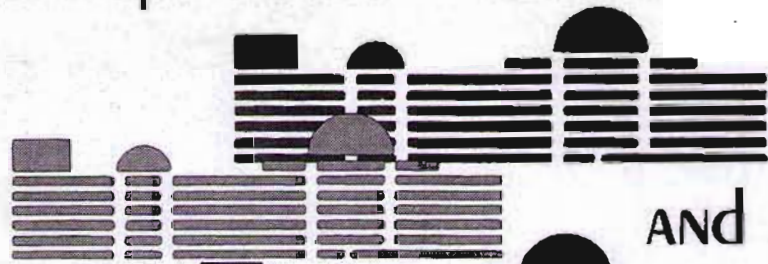


North Texas  NEWS

North Texas PC Users Group, Inc.

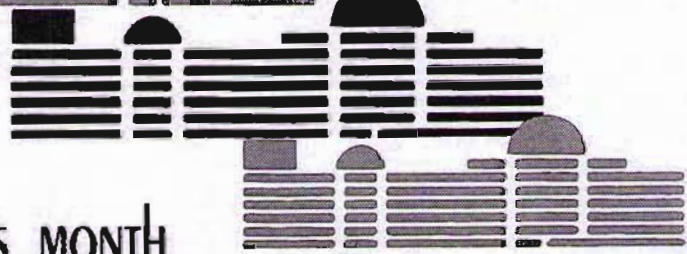
NTPCUG ELECTION MONTH
SEE PAGES 4 AND 5



AND . .

INFOMART

TURNS
10 THIS MONTH
SEE PAGE 6





Submitting Articles for Publication in North Texas PC NEWS

North Texas PC NEWS

Published monthly by members of North Texas Personal Computer Users Group for their use. Members each receive a free subscription; for others, price of the NEWS is \$2 per copy. Members are requested to notify the Membership Director in writing of address changes. Send all editorial correspondence to: Editor, North Texas PC NEWS, 218 Virginia Ave., Waxahachie, TX, 75165-2418
Send address changes to: Membership Director, NTPCUG, P.O. Box 790066, Dallas, TX 75378-0066.

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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.

Circulation:

North Texas PC NEWS circulation was 2,475 last month. Member distribution was 2,133; remaining copies were distributed to PC user groups around the country, and to advertisers, prospective members and others with common interests.

The editors of North Texas PC NEWS use Microsoft Word for Windows. This issue of North Texas PC NEWS was composed using Corel Ventura 4.2, Corel Draw 5.0, Arts & Letters 3.12 and HP Scanjet IIp. Repro was printed on a HP LaserJet 4M. Principal typefaces include: Palatino, Helvetica, A&L Cafe, French Vogue, Lithos and Mistral.

DEADLINE

Copy deadline for February
North Texas PC NEWS:
Tuesday, January 10th

Meeting Dates:

January 21, 1995 - 3rd Saturday
February 18, 1995 - 3rd Saturday
March 25, 1995 - 4th Saturday

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 Gerry Heine 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: 218 Virginia Ave., Waxahachie, TX 75165-2418

c) **SneakerNet.** Track down one of the editors at the monthly meeting and give them a diskette with the article on it.

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PROGRAM FOR JANUARY . . .

TIMOTHY CARMICHAEL

9:30 AM

INFOMART'S 10th Anniversary Celebration

INFOMART

Tom Jones, President and General Manager

Come to the Atrium and share INFOMART's 10th Anniversary celebration. A brief address by Tom Jones, INFOMART President and General Manager, will be followed by refreshments.

10:00 AM - 10:55 AM

Managing Information the Free-Form Way

askSam Systems

Wade Goodman, Manager of Technical Services and Applications Development

The average user can access more information than ever before (via on-line systems, CD-ROMs, OCR software, databases, etc) — just how do you organize such an amorphous blob of information? First introduced in 1985, askSam is a Free-Form Database designed to organize information, with a user interface resembling a word processor. New features of askSam for Windows 2.0 include Automatic Field Recognition, an Import filter for the CompuServe information manager, an optional OCR module to scan any printed materials, and Hypertext capabilities for organizing and distributing information. A special discount for user group members will be offered, and there will be a drawing for free products.

11:00 AM - 11:30 AM

NTPCUG Business Meeting

1:00 PM - 1:55 PM

Oracle7 for Windows — The Cooperative Database System

Oracle

Lee Macklin, Sales Consultant

Oracle has a great reputation on mainframes, and now runs on the PC with multiplatform transportability. Come see a review of the Oracle7 database, networking and gateway products. Topics such as stored procedures, database triggers, constraints, declarative integrity, shared SQL, multi-threaded server, role-based security, locking, replication, two-phase commit, and interoperability with non-Oracle products will be discussed. A brief introduction to Oracle's latest tool (Forms 4.5, Reports 2.5, Graphics 2.5, Browser 2.0) will also be presented. Time permitting, a demonstration will be conducted of these Oracle tools, running under Microsoft Windows, accessing an Oracle7 for Windows database. The demo will include OLE2, VBX controls, and Drag & Drop application partitioning. There might be a drawing for free products.

* Tickets for each drawing will be given out from 10 minutes before until 15 minutes after the start-time of the meeting to attending NTPCUG members who show proof of membership.

SPECIAL INTEREST GROUPS SIGS JANUARY MEETING SCHEDULE

8:00 - 8:55 Microsoft Networking Visual BASIC - Beginning MultiMedia	10:00 - 10:55 (Cont.) Fox Pro Database Micrografx Networking PAF-Genealogy Paradox Personal Users WordPerfect/Windows UNIX	11:00 - 11:55 (Cont.) Spreadsheet Developers Windows Developers	1:00 - 1:55 (Cont.) Business Apps./DAC Easy DATAFLEX Middle C Word for Windows OS/2 Developers Personal Users Spreadsheet
9:00 - 9:55 BASIC Programming-Visual DOS General Genealogy Hardware Solutions Internet Personal Users Quicken StarText Visual BASIC Windows Applications WordPerfect/DOS	11:00 - 11:55 BASIC Programming - Begining Assembler Brother's Keeper Genealogy CAD (Cont.) Investors Micrografx (Cont.) MS Works OS/2 — Q & A Roots III/IV - Genealogy	11:30 - 11:55 Orientation 12:00 - 12:55 Alpha Four C++/Advanced C Communications Desktop Publishing Health Care Computing/ OS/2 for End Users Personal Users Roots III/IV (Cont.) The Master Genealogist	2:00 - 2:55 Advanced Programmers Community Services North Texas FreeNet Application Developers (OLE and ODBC)
10:00 - 10:55 BASIC - Classic CAD		1:00 - 1:55 Access ACT! BBS	Please consult the BBS and remember to check the overhead display in the INFOMART lobby for latest SIG schedules and room locations.

Happy New Year!

I can't believe its 1995 already. (Actually I'm writing this in early December 1994 so it isn't really 1995 yet.) Thank you **Andy Oliver** for being Prez for 1994. It takes a lot of time and we all really appreciate the work you did.

So here we go into a new year. As usual, the PC industry is in a state of change (see "The Variety Store"), more and more products are using Visual Basic look-alike scripting languages (see "The Visual Basic Corner"), products and programming are hot topics (see "SIG Happenings"), new shareware, freeware and demo software are arriving in the marketplace (see "DOM DISKS"), people need help with the software (see "User-To-User"), vendors are demonstrating new products (see "Program for January") and, finally, the NTPCUG needs and thanks volunteers (see "Volunteers in Action"). All that is a lead-in to say thanks to *The PC News* staff including **Reagan Andrews, Connie Andrews, Gary Heine, Alan Lintel, Doug McCoy, Linda Moore, and John Gourd** for doing a great job on the Newsletter.

Fred Williams promises a new release of TBBS for our bulletin board system that will fix all those "problems" that we found in 1994 and surely give us a new set to discover in 1995. And, Fred promises INTERNET access *real soon now*. Thanks Fred.

I get to chair at least 12 Board of Directors (BOD) meetings in 1995. I'm sure we will have some *interesting* topics to discuss. Unlike Andy, I'm going to require the new Directors to check their weapons at the door. Only bare-knuckle fighting will be allowed.

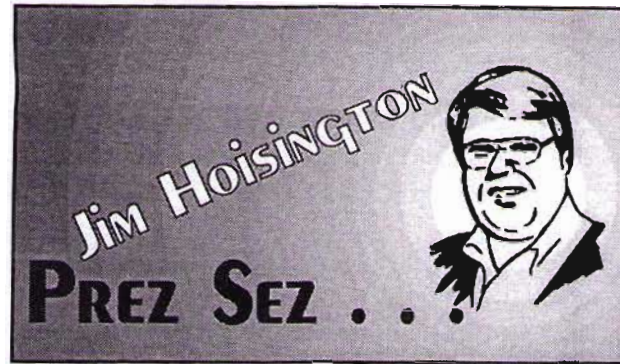
NTPCUG Members will speak in January

That gets us to the issue of who'll be on the 1995 BOD. It's January and that means NTPCUG members have an opportunity guide the direction the

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Club will take for the next year by voting for a new President-Elect and five new Directors. We have an excellent slate of candidates to choose from this year.

The Candidates:

For President-Elect, members have two choices, **Andy Oliver** and **Zack (Zach) Porterfield**. Both candidates are past presidents of the NTPCUG and both have been very active in the business of the Club. We have seven candidates for Director slots, **Reagan Andrews, Neal Berkowitz, Timothy Carmichael, Doug Gorrie, Alex Lilley, Peyton Weaver** and **Fred Williams**.

Finally, I'll also get to attend at least 12 DFW Xchange Corporation board meetings.

Maybe we'll finally do something about the Evil Vice President problem. A big thanks to **Stuart Yarus** for the countless hours he puts into running DFWX.

New Member Emeritus

Member Emeritus status has been bestowed on **Reagan Andrews** for his long-term volunteer efforts on behalf of the Users Group. Reagan is a past President of the Users Group as well as a current and past member of the Board of Directors. He also has been co-leader with me of the DOS SIG for many years and is Publisher of this Newsletter. Congratulations, Reagan!

Happy Birthday INFOMART!

The January meeting will mark the tenth anniversary to the day that INFOMART opened. **Tom Jones**, the President of INFOMART will be speaking in the Atrium at 9:30 am. Anniversary cake will be provided.

Jim...

**If this reminds you
of the back of
your computer,
clean up your act.**



**SCSI. One Connection.
Seven Peripherals.**

You're hungry for a new scanner. And a hard drive for your massive files. Sadly, you're out of slots. You're facing incompatibility nightmares. And you don't have all day to reinstall, reconfigure and troubleshoot.



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NORTH TEXAS PC USERS GROUP — 1995 ELECTION NOMINEES

Candidates for President-Elect

Andy Oliver

Andy is the current President and Chairman of the Board of the NTPCUG. Andy was also President in 1992 and has served as President-Elect in 1991 and 1993. Andy became active in the NTPCUG in 1985 and has served as SIG Coordinator and Information Booth Anchor in the past. He is a member of the Microcomputer Managers Association and Dallas NetWare Users Group. Andy is now Information Systems Director for the Staubach Company in Dallas.



Zack Porterfield

Zack Porterfield was President and Chairman of the Board of the NTPCUG in 1990, serving a year as President-Elect in 1989. He is a graduate of Oklahoma State University with a BSEE and MS of Business degrees. Zack joined NTPCUG in 1985 and was formerly SIG Coordinator and worked extensively at both the Information Booth and DOM area. Currently, Zack is President of Software Gallery, Inc., and is a Certified NetWare Engineer.



Board Nominees

Reagan Andrews, Ph.D.

Reagan is currently a member of the Board, and a past President. He is Co-leader of the DOS SIG and stepped in last year to become Publisher of *the North Texas PC News*, a tremendous volunteer task. The "Variety Store" column in this newsletter was his idea and has become a mainstay of keeping on top of industry news. Reagan works for the VA Hospital as a Clinical Psychologist treating veterans suffering from delayed stress syndrome. He and his wife, Connie, continue to be ambassadors to COMDEX.



Neal Berkowitz

Neal Berkowitz is future SIG Leader of the Windows SIG, SIG Leader of the Micrografx SIG and Co-Leader of the Software Review SIG. Neal is also a frequent review author for *The PC News*, and is an independent computer consultant with DNB Computer Services. He holds BS degrees in Biology and Chemistry and has been a member of the NTPCUG since 1990.



Nominees for North Texas PC Users Group Board of Directors

Timothy Carmichael

Timothy serves as Program Chairman of the NTPCUG and has done so since 1989. Timothy is a current member of the Board of Directors. As the Program Chairman, he is responsible for the Auditorium presentations at our Saturday meetings and Timothy continues to do an excellent job for us. In his real job, he is an electrical and biomedical engineer doing research, applying computer hardware and software for medical measurement and diagnostic systems.



Doug Gorrie

Doug was the 1993 President and Chairman of the Board of the NTPCUG. He is the Co-leader of the Communications and BBS SIG's and is involved in the day-to-day support of

NORTH TEXAS PC USERS GROUP — 1995 ELECTION NOMINEES

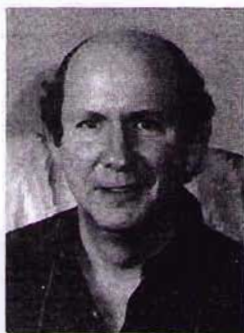
our Bulletin Board System. Doug's is the voice that you hear if you call the NTPCUG phone number, and he updates the message monthly as new information about our monthly meetings becomes available. He has spent the past 25 years with Southwestern Bell Telephone, 17 of those were working with IBM mainframes. The past five years he has worked as an Internal Auditor for SWBT.



Alex Lilley

Alex has been the Special Interest Group (SIG) Coordinator for the past two years and is also the room scheduler for all

computer groups that meet at Infomart. Alex Co-leads the Community Services SIG and is on the board of the Dallas Computer Literacy Program (DCLP). He picks up and delivers a lot of the computers donated to DCLP. Alex is married with two grown children and works as a contractor for a federal agency. He is a Certified Property Manager and graduate of Texas A & M.



Peyton Weaver

Peyton Weaver is currently Publicity Director for the NTPCUG. He has been a member of the users group since 1985 and has been active as a

volunteer at both the Information Booth and DOM area. Peyton is a native Texan and a graduate of Texas A & M where he earned a BS degree in Engineering. He reports he served as a Communications Technician with the Air Force prior to completing his degree, and has just finished a four-year term as a City Councilman for Coppell, Texas. Peyton is currently an independent contractor for computer support services.



Fred Williams

Fred has been a member of NTPCUG since its founding in 1982. He has been SIG Leader for the Communications and LAN SIG's, and is the founder and current leader of the Paradox SIG. He chaired the BBS Steering Committee which reorganized the BBS support staff, and he provided project management and technical services while converting the BBS software to the current TBBS. He is SYSOP of the BBS and helps maintain the system. He has been an independent software developer of communications and database systems for personal computers since 1982.



Official 1995 Ballot

(Detach and use original ballot — Copies are not acceptable.)

North Texas  Users Group, Inc.
A Nonprofit Organization

Nominees for President-Elect:

(Vote for 1 — at right)

- Andy Oliver
- Zack Porterfield
- _____

Nominees for Board of Directors

(Vote for 5 — below)

- | | | |
|---|--------------------------------------|--|
| <input type="checkbox"/> Reagan Andrews | <input type="checkbox"/> Doug Gorrie | <input type="checkbox"/> Peyton Weaver |
| <input type="checkbox"/> Neal Berkowitz | <input type="checkbox"/> Alex Lilley | <input type="checkbox"/> Fred Williams |
| <input type="checkbox"/> Timothy Carmichael | | <input type="checkbox"/> _____ |

Mail Ballot to Secretary, North Texas PC Users Group, P.O. Box 780066, Dallas, TX 75378-0066, or bring to the January 21 Meeting. All ballots must be received by the secretary no later than January 24, 1995.

INFOMART Marks 10th Anniversary – North Texas PC Users Group Moved Meetings to new building in June, 1985

INFOMART will be celebrating it's 10th Anniversary on January 21, 1995. The North Texas PC Users Group has been meeting at INFOMART since June, 1985, when Stuart Yarus (see letter below), current President, DFW Xchange Corp., was NTPCUG's third President.

Dear North Texas PC Users' Group Members:

In January 1995, INFOMART celebrates 10 years of success in bringing buyers and suppliers of information technology together. Plans are underway for a variety of activities during the month to recognize those contributing to INFOMART being the world's first successful information technology market center.

Speaking for INFOMART, I congratulate the North Texas PC Users for your success in bringing users together to support new and innovative uses of microprocessors. Like INFOMART, your organization is breaking new ground, facilitating the exchange of ideas and information.

Thank you for making INFOMART the venue of your monthly meetings. We at INFOMART are proud to have serviced your organization and hope the next decade will be as productive and exciting as the last ten years.

Tom Jones
President/General Manager
INFOMART

Long-term members may remember the NTPCUG's beginnings at Southern Methodist University (SMU) in 1982, followed by a move to Jesuit Academy as we grew. We outgrew Jesuit as well, and held our May, 1985, meeting in the Holiday Inn "Crown Royal" at LBJ and Midway Rd.

The move to INFOMART was a major change and a step up for the NTPCUG. Membership security badges were necessary then — members had to wear theirs just to enter the building and go to the various presentations and SIG meetings. You may still see some of the early INFOMART badges worn by "older" members at current meetings.

The NTPCUG changed as well — we rapidly began a major growth pattern from slightly less than 400 members in January, 1985, to our present 2100+ members.

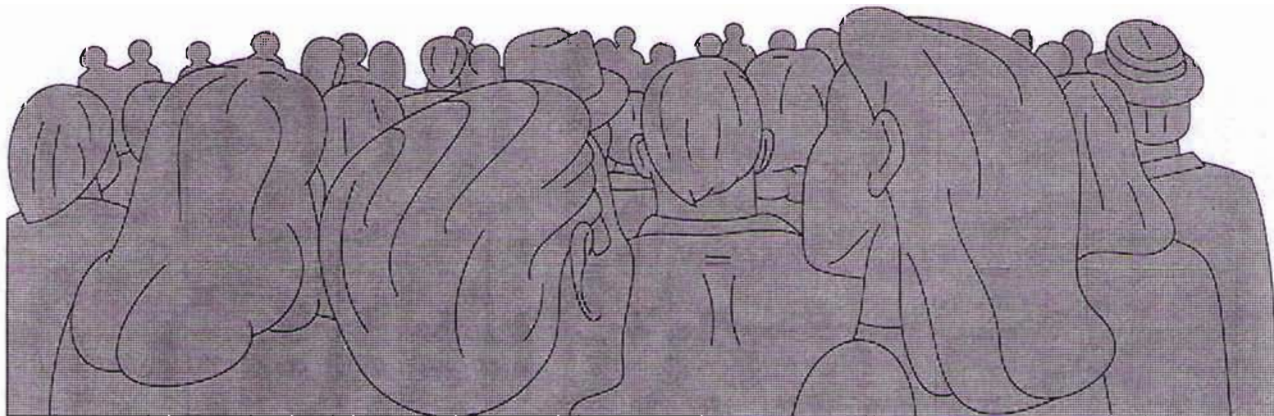
Reagan Andrews

A Note from Stuart Yarus — Past President

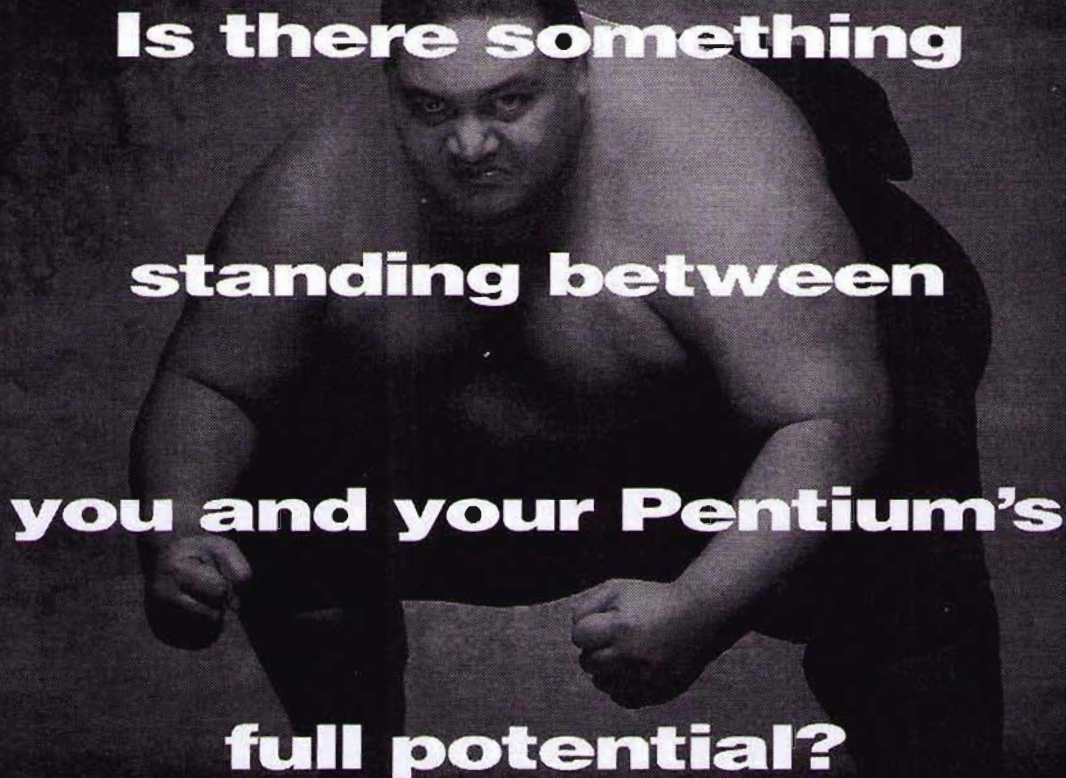
INFOMART will be exactly ten years old on January 21, 1995. In honor of that occasion, Tom Jones, President and General Manager of INFOMART, will give a short address at 9:30 AM in the Atrium of INFOMART.

Please take a few moments from your activities on January's User Group Saturday to help Mr. Jones celebrate INFOMART's 10th anniversary and to have a piece of anniversary cake afterwards.

Stuart Yarus
President
DFW Xchange Corporation



These members are all headed to the Atrium for the INFOMART 10th Anniversary Celebration! They'll be back for the NTPCUG Business Meeting — to Vote



**Is there something
standing between
you and your Pentium's
full potential?**

**Pentium has the potential.
SCSI unleashes the power.**

Sometimes the I/O bottleneck can look pretty intimidating. But don't give up. You only need two things to get around this little

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saying about SCSI and PCI:**

"If you've got a PCI-based PC or server, you want the fastest SCSI peripherals. The ease of installation and potential for high performance make PCI SCSI a natural for intensive I/O applications."

— PC Magazine, 6/28/94 "The Perfect PC"

obstacle: a PCI local bus and SCSI-based peripherals. Most Pentium PCs are now

shipping with PCI so all you need is SCSI.

IOWare® products from Adaptec bring SCSI connectivity, performance and reliability to Pentium PCs running I/O-intensive desktop applications. Like multitasking programs running under Windows 95 and OS/2. Or multimedia applications with huge storage demands. SCSI can connect up to seven peripherals including CD-ROM drives and mass storage hard drives while maintaining overall system performance.

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* Call 1-800-934-2766 to qualify for a free 45-day evaluation of the PCI SCSI Master kit* and our primer, "Wrestling With The I/O Bottleneck."

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NORTH TEXAS PC SOFTWARE REVIEWS . . .

Checkfree Electronic Bill Payment Service - A Review

by Doug Gorrie

For a number of months now, I have been paying the majority of my monthly bills using *Checkfree*. *Checkfree* is a financial service which forwards payments to my creditors in the manner I direct. On the day each payment is to arrive at the creditors, my checking account is debited for the identical amount. My monthly bank statement reflects the individual amounts and the payees involved.

Why use *Checkfree*? With apologies to our USPS friends, one reason is slow and uncertain U.S. Mail. Electronic payments don't need stamps or mailboxes, and flow from point to point in mere seconds. Another reason is timing — you can schedule payment of all your bills during one or two sit-down sessions each month, designating when each payment is to be received.

Checkfree for travelers

This is great for those that travel a lot or can't manage their finances on a day-to-day basis. Recurring, identical payments (i.e., mortgage) can be entered once, and designated to be paid on a regular interval (monthly, weekly, etc.). Just don't forget to enter the amount in your checkbook when the payment comes due!

To use *Checkfree*, complete the forms in your last *Quicken* or *Managing your Money* purchase, or call *Checkfree* at (614) 825-3500 and request an enrollment form. On the form, you will be asked to provide your SSN, a 4-digit security code of your choice, and a voided check.

Service isn't free

The service costs \$9.95 for the first 20 payments, plus \$3.50 for each additional 10 (or part thereof), and the first month is free. The monthly fee is debited from your checking account just like your payments. But don't consider *Checkfree* as just another expenditure, because you get most of the expense back in reduced post-

age and envelope costs. Twenty payments through *Checkfree* will reduce your postage costs by \$5.80. It's not a "wash", but it's close.

Software availability...

Using *Checkfree* requires custom software, available from *Checkfree*, or built in to *Quicken* (Intuit) or *Managing Your Money* (Meca). My choice was *Quicken*. Initial setup requires that you enter each accounts you wish to pay — name, account number, mailing address and their phone number. Do most of these at one or two sittings, if you can — it's easier this way.

Entering payments is relatively easy. Select the payee from your list of vendors and enter the amount and payment date. You must initiate your payment request at least five working days before the payment is to be received, as not all payees are set up to receive electronic payments. In these cases, U.S. Mail is still used. Because of this, it is strongly recommended that you set your payment date at least two days prior to the vendor's designated due date.

I have been unable to determine whether payments occur electronically or by mail without calling *Checkfree* to ask.

Transmit funds electronically

Once your payment instructions are entered into the software, transmit them to *Checkfree* using CompuServe's phone network (no charge to you). Payments are processed while on-line, and a confirmation number is returned to you and stored with each transaction.

If desired, each item can be inquired upon later, electronically, to see when the payment was made. If *Checkfree* goof's, they promise to pay any late charges up to \$50, and will send letters of apology for their mistake. However, they won't take the blame if the U.S. Mail gets the payment there late.

My experience favorable, But minor glitches exist

In the six months I have used *Checkfree*, my experiences have been generally favorable, but not without minor glitches.



Checkfree — Electronic Bill PaymentService Review ... Ctd.

For instance, I intentionally make my Dallas Morning News (DMN) payments direct to my paper carrier, but Checkfree frequently substitutes a vendor-requested address in place of the one I specified. So my payment went "downtown" rather than to my carrier.

The result my paper carrier kept asking for his payment while the "downtown" DMN started asking for renewals. Two E-mail messages to Checkfree advising them to use my carrier's address, and explaining why, had no effect. It took a direct call to Customer Service (at my expense) to get it right.

Other e-mail communications regarding payment issues resulted in canned responses rather than serious consideration, and frequently missing the point altogether. In all fairness, once you get past the front lines (usually by phone), they will actually work with you. During a recent discussion, I was told that changes were being made to address the communication problems, so maybe my future e-mail will actually be understood!

Some Quicken weaknesses...

The interface provided by *Quicken 3.0* has its own weaknesses. E-mail messages have a limited window length, and have to be created and sent one at a time, so you can't stack several messages together in a queue. Also, the Inquiry process about past payments has an even smaller window to house your questions, and again, they must be sent one at a time. Lastly, an inappropriate double-click (when a single click was expected) during entry of a payment request confused the Quicken software, flagging the payment as already transmitted. In that mode, it took a call to Intuit to determine how to delete the bogus entry — it hung on like a crocodile!

I'm in hopes that all these glitches and weaknesses are corrected in the new Quicken's Version 4.0.

Overall, Checkfree worth a try

Overall, I think Checkfree is worth a try, but be prepared to call Customer Service directly if E-mail messages don't get a responsible reaction. Also, schedule your payments to arrive at least 2-3 days prior to the due date to

NORTH TEXAS PC REVIEWS . . .

avoid mail delay penalties. Last, tell the software provider (via CompuServe, etc.) what you don't like about their software so improvements can be initiated.

Electronic banking will no doubt become more common over time. It is no secret that Microsoft plans to be part of this transition. Their recent purchase of Intuit begins the process, so don't be surprised later to find an alternative to Checkfree sometime in the future.

Doug Gorrie

Old Computer Books? Libraries Need Them

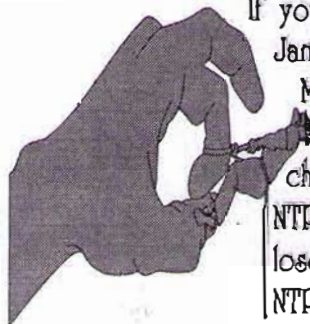
While computer books go out of date quickly, the budgets of many library systems do not permit keeping up with the changes and their books are often even more out of date. This is a good time of year to take a look at your own shelves and see whether you have books that cover older versions of software and software that you are no longer using.

Donating them to the public library system or to a school that uses the specific software can be a good gift for both. And if you break through the substantial standard deduction, you may want to deduct from your income tax.

Mike Firth

Don't Forget to Vote!

It's important to you — and to us. Make a choice of who you think will represent you best — and VOTE . . .



If you don't vote at the January 21 NTPCUG Business Meeting — or mail in your ballot for the President-Elect and your choice of five (5) members of the NTPCUG Board of Directors, you'll lose your voice in how the NTPCUG is run!

Please see Pages 4 - 5
for more information.


 REAGAN ANDREWS

THE VARIETY STORE

A personal view of new or unusual hardware, software, and applications for IBM small computers and compatibles

It's a New Year — For everyone but Intel Pentium problems persist, \$200 Million Estimated replacement costs will hurt...

Some good news, some bad news

January brings a lot of things to PC users in 1995 — not all of them sparkling, fresh or new. Intel has to feel continuing pain from its 'Snake-bit' Pentium CPU's and this will last and last and last in the minds of users/purchasers.

Biggest news of 1994 just had to be the deluge of negative, media attention to Intel's massive Pentium PR blunder which began in November. Thankfully, most of the dust over the Pentium divide blunder(s) has settled. Most — except for Intel's equally 'massive' \$200 million+ costs to replace the 'Division-Impaired' Pentium CPU's already delivered.

'Division-Impaired' CPU Featured on Internet — Pentium users enraged

Wonder how Andy Grove, Intel CEO, feels about the "Information Superhighway" these days? Internet was source of a lot of Intel's problems in November and December with arrays of E-mail, thermo-nuclear missiles descending on the Intel niche in cyberspace from irate (?enraged?) Pentium owners over the reported division errors. Unfortunately, Intel adopted a very defensive PR posture which only made matters worse — much worse.

News made its way to Comdex/FALL '94 as well as Pen-

tium divide-impairment rumors flowed across the exhibit halls with the speed of ravening media reporters attacking a (free) luncheon. (Surprising how many reporters who can't even spell 'Intel' or 'Microsoft' seem to use the Internet.)

Intel PR decisions Create more public Pentium discontent

Intel learned how to really make users mad, even after they 'fessed-up' and agreed to replace the defective chips. Asking a user who paid a premium price for a Pentium PC to leave a \$1,000 charge/deposit on their credit card (to assure return of the defective CPU to Intel) after going

through the Intel Support Q & A 'gauntlet' was guaranteed to induce anger/rage — and great affection for all things Intel.

\$1000 Return Deposit User Interrogations Biggest PR blunders

Seeing the media/user-induced light, Intel backed off the \$1,000 deposit and rigorous interrogation of users on their Pentium use. This last probably created as much ill feeling as anything (except the deposit) as users were forced to convince Intel support personnel they were, in fact, not just looking for good CPU's at Intel's expense, but were really using their PC's to do rigorous, high-level (by Intel standards) calculations.

I can't think of a worse case of crisis-handling by supposedly-professional PR staff. It did give rise to more media space than any other story this year. Maybe Intel's PR staffers still go by the "any news is good news" rule.

Wonder how Intel's PR staff/management would have handled the Titanic if it had been an Intel product? Or, the Edsel? (Better example.)

THE VARIETY STORE

Media couldn't resist — Some followed Intel's Lead with own flaws...

Media made a show of it as well. And, created some of their own blunders in the process.

Best example (locally) was *The Dallas Morning News*. December 5, 1994 reprint of an original *San Jose Mercury News* article on complexity of modern CPU design leading up to the division-impaired *Pentiums* contained so many spelling errors it was reported for them in a *Wall Street Journal* article December 6, 1994.

Was it the Macintosh ... Or the reporter?

Intel was 'Until', Microsoft was 'Microvolts' and VLSI Research, Inc. was transformed to 'VA-LISE Research.' Best part of the *WSJ* article highlighted fact that a Macintosh spell-checker may have been the culprit involved.

Sorry folks, the *Dallas Morning News* reporter (and/or) editor had some responsibility here.

We miss the good ones...

You can really tell Tom Steinert-Threlkeld, former *DMN* science/computer reporter has moved on. Don't think this would have gotten past his expert eyes in the first place. *DMN* has another computer writer, Todd Copilevitz, but

he's been doing mostly fluff-work in the *DMN's* "Today" section and the now-defunct Sunday magazine insert.

What's Intel's competition Cyrix, AMD and NexGen Doing with this opening?

Competition isn't doing too much except for some really neat and subtly-vicious AMD ads for their 486DX4 series of CPU chips — and IBM's announcement that they would discontinue selling *Pentium* PC's. This last isn't too surprising since IBM plans for the *Power PC* CPU to supplant the Intel x86 standard in the next year or so.

AMD — No position

AMD (Advanced Micro Devices) just isn't in a position to threaten Intel. The K-5 CPU, a *Pentium* clone, isn't ready yet and only AMD CPU in the running is the 486DX4. Also, there are those pesky legal wrangles between AMD and Intel that seem to go on forever with each side winning, then losing in the court(s).

Cyrix has own problems

Cyrix would like to be in a position to challenge Intel on this front. But, its superior M-1 CPU (according to Cyrix, 30% faster than an equivalent clock-speed *Pentium*) has some production problems as a result of a larger (4X) chip die size that make the M-1's

much more expensive to produce.

Cyrix also has 486 problems

The Richardson, TX, company is also experiencing some manufacturing problems with their 80 MHz, 486drx2 CPU's that are restraining sales of this hot CPU chip. ('Hot' is a joke, by the way, since that's one of the problems.)

Cyrix did report these problems to the media in December — and took a 30% stock price hit as a result. Cyrix shares fell from \$19.25 per share to \$9.25 in a single day on basis of the news according to *The Dallas Morning News*.

NexGen already online

Only other contender is NexGen with their N586 CPU's supposedly in large-scale production now. At least NexGen won't have to worry about impaired division since the chip doesn't contain an FPU section at this time.

IBM in 'no-lose' status

IBM, on the other hand, can't lose in this struggle. Armonk makes the silicon for both Cyrix and NexGen, and also produces their own line of 486 CPU's as well as being a major player in the *Power PC* consortium along with Apple and Motorola.

Strangely enough, IBM's efforts may get a push from Cyrix in the future.



Last of the Pentiums... Engineering problems With a Comdex twist

Intel reports its problems with the Pentium are engineering related and that they've been solved in current production chips. Heard some comments over CompuServe concerning engineering, impact of PC's one the business via CAD/CAM and state of the profession in general. One of the participants in this forum reminded others that Intel was following LVDS — Las Vegas Design Standards. He meant designing for Comdex with half-finished products on the showroom floors.

Reminded me of the show as well, but for different reasons.

Sands CC ... Again Escalators that don't

My direct experience was at the Sands Convention Center — again. There are two escalators connecting the lower level with the upper level. There are stairs, but at end of a long day wandering through the Sands CC show areas, most of us really preferred to be carried than to provide our own ambulation.

Sands CC had a security guard at the 'UP' escalator controlling traffic headed to the upper level. I just had to ask why. Answer was simple, and in keeping with Interface (owners of the Sands and pro-

ducers of Comdex) in general. Escalators couldn't handle the traffic and stopped frequently when more than a few people were on them.

That's engineering at its finest. In a building designed to handle the potentially massive crowds generated by Comdex, the escalators were not designed with the power to handle them.

Luxor rumor scarier — Is the Pyramid sinking?

I got this example from a Hewlett-Packard Comdex rep heading back to his room at the Luxor on a shuttle bus. It's really scary, but confirms some suspicions I had at Comdex in 1983. Remember all those Luxor ads last year? It was touted as one of the finest hotel/casinos in Las Vegas when it was opened to great fanfare in 1983. I was interested in the Sega game room at the Luxor, so Connie, Andy Oliver and I paid the new hotel a visit.

Just after we walked into the Luxor, I remembered the stories we'd heard from cabbies at the 1992 Comdex show about the Luxor's possible problems with structural steel during construction. Seems there were rumors in 1992 that all the steel didn't meet Las Vegas building codes and would have to be replaced

Another 'solution'?

Since we were in a completed pyramid in 1993, figured some other 'solution' had been found by the Luxor's

builders. I was nervous all the time we were in the building.

Fellow from Hewlett-Packard said H-P had put their staff in the Luxor. He reported that there was a rumor circulating that the pyramid-shaped building was slowly sinking in one corner. He hadn't personally verified this and said he didn't want to know — until after he was back home.

Now for some real news... Windows 95 delayed again Borland drops DOS dBASE Colorado ups tape ante

Real news in December was somewhat strange, to say the least. Rumors continued to abound that Apple and Lotus and Borland were all for sale, while Microsoft, IBM and Novell kept acquiring small, technology-based companies most of us never heard of, and WordPerfect continued to lose its 'super support' image among long-time users since acquisition by Novell.

Real trends were impossible to detect — or we were overwhelmed by the numbers media reported from day to day. Struggle between IBM's OS/2 Warp and Microsoft's not-yet-released Windows 95 for users' desktops continues with rumors and counter-rumors of serious bugs and flaws in each OS that appear to be pretty-much unfounded, but are generating lots of media and online discussion(s) and 'flames'. Do know that IBM has been selling/giving away more Warp than expected by non-IBMers. Also know that

Warp is not an easy installation for novice users — and a lot of more experienced users as well.

Windows 95 may be the same although Microsoft is working hard to ease this problem. Not sure that anything as big and complicated as a modern OS can be made *easy* to install and tune no matter what the user's experience level.

***Windows 95* delayed Possible release moved To August of 1995**

On a more serious note, Microsoft announced that the release date for *Windows 95*, the new version of Windows scheduled for release in late 1994, has been delayed again. Microsoft's announcement reported probable release in August, 1995. Skeptics and *Warp* supporters are estimating the first quarter of 1996 at the earliest and cite multitudes of 'bugs' in the current beta version as cause.

Microsoft is reported to have watched the premature IBM release of *Warp* and taken heed of the early criticism the new IBM OS garnered in the process. Some media sources speculate that Microsoft wants *Windows 95* to be absolutely 'clean' when it's released.

This is somewhat counter to other media sources who felt the new Windows could have been released in December if Microsoft wanted. Number of articles published in late November and early December pointed to 'stability' and

'solid' character the authors were finding in their latest beta versions of the product.

Borland drops DOS dBase from future Product development

DOS may be 'dead' after all. Borland International, publisher of *dBase*, announced in December that it will no longer focus on development of the DOS version of the venerable data base manager. Borland stated in the announcement that the UNIX version of *dBASE* and the DOS *Paradox* versions wouldn't be enhanced with further development efforts in the future either.

Users will continue to be supported by Borland, and Borland will continue to sell the DOS versions while it has supplies of the products. *Infoworld* reported in early December that the DOS versions of *Paradox* and *dBASE* generated \$90 million in sales during 1994.

Borland officials maintained that the DOS and UNIX markets are declining markets that don't justify the expense of further development of these products. Instead, Borland will maintain a growing focus on Windows-based products and has announced special upgrade prices on the Windows versions of *dBASE* and *Paradox* for current DOS users.

According to the *Infoworld* article, a number of current DOS users are quite unhappy with Borland's decisions. Many



DOS-based users quoted described feelings of desertion and abandonment as a result of the Borland move, and are evaluating other DOS-based products to fill the void.

New software gives 35% more capacity To tape backups

Want to increase you backup capacity without buying a new tape drive? If you have one of the Colorado Memory Systems (CMS) *Jumbo 250* (or compatible) tape drives, all you need is some new backup software. You'll also need the new, longer 2120XL backup tapes.

Advertised by CMS is a new, 350M capacity with the new software. Notice I used the word *compatible* above. A number of these drives are essentially similar and should be able to handle the new tapes without problems if the software recognizes them.

However, I've seen several drives, including the Conner units, advertising 350M and 420M capacities with the latter using a "wide" tape format that won't work with the older drives. Only the new drives advertised at 420M (or so) are capable of using the "wide" tape format and current owners of the older drives will be forced to make do with 350M tapes.

Reagan Andrews

INSIDE THE NORTH TEXAS PC USERS GROUP COMMUNITY

VOLUNTEERS IN ACTION



by Claude McClure

Looking for a handout, Buddy?

A new brochure is being handed out by Information Booth volunteers. It's a two-color, tri-fold that was updated by our own Peyton Weaver. Peyton designed the cover with an eye-catching concept of chaos transition to order. His art suggests that some of the elements of computing can be better understood by attending the NTPCUG monthly meetings.

The folder describes the Users Group, points to the benefits of membership, and even gives the reader a condensed application form. He does this in six fast-reading pages that identify our Users Group on every page.

There's method to all this art. The North Texas PC Users Group frequently appears at major trade shows, conventions and other personal computer-related affairs. We distribute the tri-folds at these shows as part of our ongoing campaign to tell the public who the NTPCUG is and what we do.

It's a pleasure to hand this quality invitation to interested visitors. It's also kinda' nice to know a real professional belongs to the same club we do. You make us proud, Peyton.

We are also proud of the Volunteers from our November meeting. They are recognized on this page. Thank them when you are served by a volunteer.

Infomart Liaison

Stuart Yarus

Vendor Setup/Breakdown

Anchors:

David Slavik

John Ivers

Kenneth Berg (double)

Crew:

Larry Johnson

Larry Matzek

Ross Jones

Bill Shurtleff

Auditorium Presentations

Timothy Carmichael

Chris Jung

Christopher Carmichael

Information/Registration

Booth

Statistician:

Claude McClure

Scheduler:

Bob Wuller

Anchors:

Al Aston

Ralph Beaver

Eteta Eta

Judy Griffiths

Allan Harbaugh

Hank Holt

David Huckabee

Ned Keig

Cinda Lovil

David Martin

Raymond Reyes

Paul Williams

Bob Wuller

Booth Crew:

Deborah Bean

Roger Bopp

Elizabeth Doss

Larry Fisher

Paul Fredd

Claude McClure

Bob McNeil

Foy T. Mills

Dusty Thigpen

Linda Thomas

Fred Toulmin

Will Watson

Disk of the Month (DOM)

DOM Shift

Supervisors:

Joe Allen

Roy Bales

James Donlon

M. Pat Henley (double)

Arnold Krusemark

DOM Desk Crew:

Doug Athas

Berry Baars

Chris Balthrop

Philip Bridge

Don Chick

Norman Dang

James Donlon

Charles Fernandez

Judy Griffiths

Kent Haven (double)

Tom Jackson

Duane Martin

Mac McKeethen

John Primm

George Read

Oscar Tyler

Kent Haven

M. Pat Henley

Jerry Stone

Jan Parkhill

Inventory and Take-

down Crew:

Arnold Krusemark

Gil Brand

Bob Post

John Dyer

Jan Parkhill

DOM Desk Scheduler:

Charles Cashion

Disks for Review Manager:

Frank Miller

Disk Production:

Howard Hamilton

Willard Davis

With Special Thanks

to:

Set Up Crew:

VOLUNTEER INFORMATION

1. Via BBS: (214)387-2751, (214)387-2752 or (214)263-9036 (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

(214)661-4626 (w)

DOM Booth Scheduler

Charles Cashion

(214)881-0952 (h)

(214)519-2583 (w)

DOM Software Review

Frank Miller

(214)231-1345 (h)

Information Booth and General Information

Claude McClure

(214)867-0978 (h)



Selected SIG HAPPENINGS

News and meeting notes of Special Interest Groups

(Material for this column should be sent to Alex Lilley, SIG Coordinator, before the 10th day of each month)

Access SIG

After some months of last-minute schedule rearrangements, I think we are "back on track" in the Access SIG: We are in for a real treat in January and February, as Fred Williams returns to present his very informative and educational look at "Relational Database Design", in two sessions. Fred's discussions of this subject with us, early in the "lifetime" of the Access SIG were two of the best-attended SIG meetings we've ever held — it's not "software-specific" and understanding this information is vital to users of any database software. You don't have to be an Access user to benefit from this one — we extend a warm invitation to all who are interested in databases

(and we promise not to bore you by telling you how great Access is).

Fred will discuss the "what" and "why" of relational database design, normalization, when we should be strict in our adherence to the rules, and when we can, with judgment, not follow them so strictly. Fred is a member of the NTPCUG Board of Directors, leader of the Paradox SIG, SYSOP of the NTPCUG BBS, and a regular contributor to the North Texas PC News. He has long experience with computers from mainframes to PCs, and a wide variety of software exposure, including database experience with Oracle, Paradox, and dBase.

Thanks to Bobby Hopper for his presentation on "Doing Real Rela-

FROM THE SIG COORDINATOR

As technology changes, so do our needs and therefore our SIGs. The following are changes/additions/needs/proposals that the NTPCUG has made to the SIG's.

New SIGs:

- **MultiMedia** — Meets from 8:00 until 8:55
- **OS/2 Questions and Answers (Q & A)** — Meets from 11:00 until 11:55
- **Health Care Computing/Informatics** — Meets from 12:00 until 12:55
- **North Texas FreeNet** — Meets from 2:00 until 2:55

New SIG Leaders:

- **Windows Applications** — Neal Berkowitz @ (214) 475-7463 h
(214) 475-3124 w

Groups Looking for Help in Leading their SIGs:

- **Middle C** (Contact Tom Cook @ (214) 871-8177 w)

The requirements for forming a SIG are:

Leadership — at least one individual willing to lead the SIG, and an assistant.

Membership — at least eight individuals willing to attend the SIG fairly consistently.

If you have a group that meets these qualifications or would like help in finding others who might share your interests, please contact me at (214) 517-7430 (H) or (214) 953-4970 (W)

SPECIAL INTEREST GROUPS SIG LEADER LISTINGS

SIG Coordinator

Alex Lilley (214) 517-7430 h

Legend: h = Home #, w = Work #
M = Metro #

ACT!

Jim Thompson (817) 261-6159 h
..... (214) 953-0051 w
Deborah Bean..... (214) 475-7463 h
..... (214) 475-3124 w

Access

Larry Linson (817) 481-2350 hM
Jack Atkinson..... (817) 481-6623 h
Dianna DeCicco.. (214) 446-0639 h
Frank McCoy..... (817) 232-2483 h

Alpha 4

Ron Jackson (214) 276-3661 h
Mac McKeethen.. (214) 556-1352 h

Applications Developers (OLE & ODBC)

Larry Linson (817) 481-2350 h
Linda Moore (214) 342-8933
Vince Prehn (214) 880-0000
Dan Ogden

Assembler

Glynn Brooks (214) 578-8737 h

BASIC - Beginning

Chuck Jacobus ... (817) 379-6840 h
..... (817) 379-5287 w

BASIC - Classic

Mike Firth (214) 827-7734 h

BASIC Visual

Woody Pewitt..... (214) 283-2292 h
..... (214) 230-3485 w
Jim Carter (214) 235-5968 h

Brother's Keeper

Neil Sunderland .. (214) 272-2869 h

Business Applications/DAC

Putt Shaw..... (214) 235-2559 h
..... (214) 669-9633 w



tional Database with Access." Bobby, disturbed by the all-too-common and unnecessary violations of RDB design standards in Access examples, showed us the "how-to" and, er, a "sneak preview" summary of the design principles that Fred will cover in detail. Not only was it informative, it was also entertaining — how can you go wrong with a consultant who calls his company "Hired Gun?"

See you at the Access SIG on January 21! This and next month's meetings are full of "required information", not just for Access users, but for users of any database software.

Larry Linson

APL SIG

Frank Cavallito and Stuart Yarus enthralled the Programmer's SIG in December with an explanation of how APL interpreters are designed. Fortunately, the Programmer's SIG was the last SIG of the day, and so the discussion, which lasted 32 hours and 5.3 minutes, did not adversely affect any other SIG.

The Evil Vice President of DFW Xchange Corp called in from the American Presidents Lines' vessel "Iverson" (on his tour of the Netherlands Antilles' PC User Groups) to protest the use of Jolt Cola, Twinkies, and heavily armed Serbs to keep everyone enthralled. He said that DFW Xchange would not pay for the soda and cake, as they were not tax deductible.

Join Frank and Stuart at the January meeting, where they will design an APL function to generate floating point numbers which will correctly divide on Pentiums.

Stuart Yarus

Applications Developers SIG (OLE and ODBC)

Great news: Dan Ogden has agreed to join Linda Moore and Vince

Prehn in serving as an Assistant SIG Leader. I'm "tickled pink" to have such eager and able volunteer help. Many thanks to Dan, Linda, and Vince for being willing to give their time and energy to make the SIG a success. We appreciate your participation, too; the success of this SIG depends on a high level of member involvement. Remember, every member (at least "unofficially") is a leader in the Application Developers (OLE & ODBC) SIG!

We finally should have the necessary software loaded and/or equipment enhancements on the demo machine this month so that Dan Ogden can show us some of the OLE automation techniques he's using in the software he's developed to support his legal practice. (Didya get that, guys? Legal practice. I have to have a lot of respect for someone in another profession who develops enough interest to become a genuine software developer!)

At the time of this writing, our December presentation was planned to be an introductory presentation, by Jeff Hopper, of Borland International, on Paradox for Windows 5.0 (Borland leapfrogged Microsoft by making it the first Windows database product enabled as an OLE automation server). Due to travel schedules, telephone tag, and difficulty in accessing my Internet provider, I didn't have "solid" confirmation. In the hopes that all went well, let me extend my deep appreciation to both Jeff Hopper and to Borland International for an informative discussion.

The Microsoft Windows Component Object Model, based on the Object Linking and Embedding (OLE) and the Open Database Connection (ODBC) technologies, enables application developers to use commercial software (such as the Microsoft Office products) as integral parts of their own applications. Our goal is to "learn together" to use these technologies to develop component applications compliant

SIG LEADER LISTING CONTINUED ...

Legend: h = Home #, w = Work #
M = Metro #

Business Applications... Ctd.

Bruce Schubert ... (214) 690-5848 h
..... (214) 233-8353 w

C++/Advanced

Kent Cobb (214) 343-3862 h
Tom Cook (214) 871-8177 w

Middle C

Tom Cook (214) 871-8177 w

CAD

Bill Sephton (214) 296-1799 h
..... (214) 641-7301 w

Communications

Doug Gorrie (214) 618-8002 h
..... (214) 464-7942 w
Birl Smith (214) 960-8227 h
..... (214) 220-9388 w

Community Service

Brian Mickel (214) 521-2938 h
..... (214) 521-6670 w
Alex Lilley (214) 517-7430 h
..... (214) 953-4970 w

DOS

Jim Hoisington (214) 416-3101 h
Reagan Andrews (214) 828-0699 h

Dataflex

David King (817) 640-6130 hM
..... (214) 313-0408 w

Desktop Publishing

Deborah Bean (214) 475-7463 h
..... (214) 475-3124 w
Ray Hackney (214) 437-2439 h

Fox Pro

Kevin White (214) 644-5008 w

Genealogy - General

Al Sanford (214) 278-7888 h

Genealogy - PAF

Joe Waldrop (817) 498-5856 h

Genealogy - Roots III / IV

John Wylie (214) 495-4410 h

Genealogy - The Master Genealogist

Jeri Steele (214) 306-1596 h
..... (214) 917-3917 w

SIG LEADER LISTING CONTINUED ...

Legend: h = Home #, w = Work #
M = Metro #

Hardware Solutions

Charles Miller..... (903) 938-4220 h
Ralph Beaver..... (817) 624-9530 h
Gary Johnson (214) 938-0344 h

Health Care Computing/Informatics

Zeke Rabkin (214) 321-9462 w

Internet

Tom O'Keefe (214) 247-8812 h
Doug Gorrie (214) 618-8002 h
..... (214) 464-7942 w

Investors

Dick Richtman (214) 437-0322 h

MS Word for Windows

Beverly Kurtin (817) 355-9594 h
Janet Patton (903) 886-6249 h

MS Works

Mike Firth..... (214) 827-7734 h
Ralph Logan (817) 498-9746 hM

Micrografx

Neal Berkowitz.... (214) 475-7463 h
..... (214) 475-3124 w

Microsoft Networking

Debbie Lenhart... (214) 625-9680 h
..... (214) 716-2704 w
Bruce Wynn (214) 335-2507 h
..... (214) 756-7932 w
John McCrae.....

MultiMedia

Dennis Rice (214) 680-8299 h

Networking

Bernie Van Roekel
..... (817) 451-4540 h
..... (817) 461-4120 w

OS/2 Developer

James Dunn (214) 279-5712 h
..... (214) 497-8978 w

OS/2 for End Users

Bob Fermier..... (817) 481-6625 h
..... (214) 444-2195 w

OS/2 Q&A

Larry Truesdale

Paradox

Fred Williams..... (214) 492-1315 h

SIG

with the Microsoft Component Object Model. IBM says that its (competing?) System Object Model will support Component Object Model applications, too, so if SOM is your goal, you'll get a headstart if you join with us in our efforts.

Our initial *focus* will be on using Visual Basic or Access as OLE containers or clients and Microsoft Office software, Paradox 5.0 for Windows, and Visio as OLE servers in component applications. Other applications, "applets", and OLE custom controls will be added to our agenda as they become available.

We need speakers for future meetings. Topics of particular interest are demonstration and presentation of component applications, preparing Windows HELP files, tutorials on any software that is OLE 2.0-enabled, Excel's Visual Basic for Applications, and Word for Windows 6.0's Word Basic.

We invite you to join us this month for more discussion and demonstrations on topics of interest to application developers who want to ride the OLE and ODBC wave into the future.

Larry Linson

Communications SIG

We will be hosting Dave Casey from Westron communications for our January meeting. Dave Casey spoke to our group in May 1993. His discussion in 1993 included voice data integration, fiber optic, satellite, T1, 64kbps lines, 56kbps lines and ISDN.

Dave will discuss PCMCIA Data Fax Modems and other high speed modem products. The discussion will include V.34, V.FAST and ISDN. Microcom's parallel port solution for high speed data communications will be included.

We will still be conducting our annual survey. If you haven't completed a survey, stop by and give us some ideas. The discussion on UART's will be postponed until a meeting date in the future.

We have invited Hayes to participate in one of our future meetings. We will have more details next month.

Doug Gorrie & Birl Smith

DOS SIG

It's January and a "fresh start" for the DOS SIG in 1995. We could celebrate that at the January 21 meeting by creating a long list of resolutions for a "reformed" DOS SIG, i.e., a SIG meeting that would spend most of its time talking about DOS. That is until it's time for the 9:30 a.m. INFOMART 10th Anniversary celebration in the INFOMART Atrium.

MultiMedia may force us to this strange, new land anyway, regardless of various lies and resolutions I may put in print. I know it's *Windows 3.x* where the CD-ROMs, sound boards, etc., seem to reside, but it's DOS underneath that ties it all together and (usually, sometimes or rarely) makes it all work.

Welcome to the mysterious island of IRQs, strange addresses in Hex (300h ain't the only place you'll find), SCSI and EIDE foibles, and the wonderful world of PC conflict if the user isn't aware of the above. May not be a jungle, but it sure looks like one to most users.

What's the secret to MultiMedia success? Flexibility. We'll talk about DOS configuration for SCSI controllers/interfaces, CD-ROM drives, sound cards/interfaces — and the important questions users should ask before purchasing one of these beasts. Beware, most store clerks don't know or won't admit

SIG



to flexibility limitations in the products they are pushing. This is made worse by product packages that don't state plainly/clearly where they must *reside* in the user's PC configuration to be happy — and work as advertised.

Come to the January DOS SIG and see for yourself if Jim Hoisington, NTPCUG President, and Reagan Andrews, past President and current, temporary, Publisher, have turned over a new leaf. Of course, we'll end (or begin) on the usual Q & A session where members share their DOS problems and gain solutions/insights destined to make life truly wonderful again in the world of PC computing. It's usually informative and always fun.

Reagan Andrews

Genealogy SIG - General

The General Genealogy SIG meets from 9 to 10 a.m. in Room 1059. This SIG is not tied to any specific genealogy software or hardware. There are generally about 60 people present.

The November program was brought by Kyle Odiorna of Cyrix, a local microchip maker located in Richardson, Texas. Making microprocessors is a seven million dollar business. Cyrix was started in 1992. The company was originally going to only make math co-processor computer chips. This proved very successful and they went on to design a competing chip to Intel's 486 processor. It is my understanding that Cyrix does the design of the microchip (and maybe builds and tests the prototype) but they use Texas Instruments manufacturing facilities for the production of the chips. Cyrix was the first to make double clock (i.e. double speed) microprocessors. They are also strong on what they call "386 to 486" upgrade awareness. This is upgrading a 386 computer to a 486 by (1) pulling out the 386 and installing

the 486 or (2) mounting the 486 on top of the existing 386 in such a fashion the 386 is disabled and the 486 is enabled.

The upgrade of a 386 to a 486 is based on Cyrix technology. There are two types of upgrades. The Cx486DRx will upgrade 386DX-16,20,25 and 33 MHz PCs. The installation takes about 15 minutes. You remove the 386DX microprocessor and place the upgrade into the socket. The Cx486SRx is used to upgrade 386SX-16,20 and 25 MHz PCs. This upgrade is done by aligning the upgrade module with the 286SX processor and snapping the upgrade module in place. A 3-1/2" demo disk of this upgrade was given to attendees.

Cyrix intends to market a 586 processor early in 1995. It has designed this CPU for use where superior performance is required. It is also good for a dual processor desktop system. It includes a 64 bit data bus and a single 64-bit enhanced math co-processor compatible floating point pipeline.

Cyrix handed out two prizes. One upgrade chip was awarded by a drawing. The other, an older upgrade chip, was given to the only member in attendance who had an older PC that this chip would modify.

The December program was about OS/2 for genealogy. The January 1995 meeting will look at the CD ROM multimedia aspects of the Family Tree Maker genealogy software.

Al Sanford

Genealogy SIG — PAF

PAF is the most popular genealogy program in use and costs \$35. PAF meets from 10 to 11 a.m. on User Group Saturdays. Attendance is normally around 50 and usually

SIG LEADER LISTING CONTINUED ...

Legend: h = Home #, w = Work #
M = Metro #

Paradox... Ctd.

Tom Browning.....(214) 692-9784 h

Personal Users

Alex Lilley.....(214) 517-7430 h

.....(214) 953-4970 w

Bob Russell.....(214) 422-4269 h

Programmers

Kent Kingery.....(214) 317-0125 h

Jim Hoisington.....(214) 416-3101 h

Quicken

W. L. Harris.....(214) 291-7616 h

.....(214) 462-3676 w

Phil Faulkner.....(214) 239-0561 h

.....(214) 819-4446 w

Spreadsheet/Spre.Dev

Mark Gruner.....(214) 964-8174 h

.....(214) 605-8447 w

Adam Peterson.....(214) 682-0725 h

.....(214) 864-2760 w

Starixt

Jim Boughton.....(817) 478-6665 h

.....(817) 265-8044 w

Bill Jones.....(214) 423-8486 h

UNIX

Jim Stallworth.....(214) 789-3787 h

.....(214) 604-2226 w

Doug Scott.....(817) 261-4653 hM

.....(817) 878-0367 wM

Windows - Applications

Neal Berkowitz.....(214) 475-7463 h

.....(214) 475-3124 w

Windows - Developers

Art English.....(214) 618-1266 h

.....(214) 301-1203 w

WordPerfect / DOS

Lori Quinn.....(817) 481-6453 h

.....(214) 255-0555 w

WordPerfect / Windows

Mitch Milam.....(214) 406-9054 w

meets in room 1059, but check the overheads in the lobby to be sure.

Good news! Joe Waldrop has agreed to return as a co-leader with Al Sanford. Joe had been the leader for awhile and had to drop out. His return is a boost to all. Joe led the program at the November meeting. He had just received his copy of PAF v.2.31 and told a little about it. It will be covered in next month's newsletter.

Joe demonstrated how to GEDCOM a short file from PAF and import this GEDCOM file into Brother's Keeper.

To make a GEDCOM file from PAF data:

- ❖ From Access Menu, choose 2. Genealogical Information Exchange
- ❖ From GENEALOGICAL INFORMATION EXCHANGE menu choose 3.
- ❖ The CREATE Genealogical Data Communications (GEDCOM) FILE menu now appears.
- ❖ Leave source path as is, unless the data you want is in another data file.
- ❖ Leave target path as is, unless you want to send GEDCOM file to a or b disk.
- ❖ Use keyboard to key in a name (without extension, as it will add .ged automatically).
- ❖ For this paper, choose if you want ancestors, descendants, etc. from the CREATE GEDCOM FILE MENU.
- ❖ Then choose appropriate (i.e. know RIN) item.
- ❖ When the proper individual has been chosen, from SELECT GENERATIONS, always put a number in that is more generations than required.
- ❖ From CREATE GEDCOM FILE - SELECTION RESULTS, choose FI INCLUDE SELECTION RESULTS.
- ❖ From the next menu choose 8. Save the GEDCOM file,
- ❖ Then [F2] Do not include submitter's name.



- ❖ Then 1. None for NOTE OPTIONS and 1. PAF Release 2.1/2.2/2.3.
- ❖ Next choose [F2] Exit without saving comments.
- ❖ The CREATE GEDCOM menu will then show the building of the Individual and Marriage Records. When finished, Return to main menu, etc.

To put the GEDCOM file into a Brother's Keeper data file, first delete any data now in the BK data files. Then make a another subdirectory in BK called NOTES. Load BK program and choose A. Add GEDCOM file to BK (import data) and follow instructions. When asked where overflow notes should go, type c:\bk5\notes.

The December program will be OS/2 for genealogy.

Al Sanford

Health Care Computing/ Informatics SIG

New (and continuously improving)...

Do you work in the health care arena? Do you often say to yourself "There must be a better (or easier) way to do this!" Do you know of medical computer applications that are better than whole wheat sliced bread? Would you like to learn from others whose noses are bleeding from bending over a grindstone too long? Are you willing to share some of the things you learned "the hard way"???? Would you like to see DEMO's of some of the medical computing applications on the market? The Medical/Health Care Computing/Informatics SIG.....(like all others in NTPCUG) is open to the public. Please let your friends in the health care world know that this is the place to come and not have to worry about asking *dumb* questions....since we will strive for an

atmosphere where the only *dumb* questions.... are the ones that are not asked! . In this SIG we will focus on "informed decision-making." For those wondering "what should I buy" or "what should I take the time to learn how to use" we'll help them develop strategies for making those determinations. Come and let us know what else you'd like from this new SIG?

Zeke Rabkin

OS/2 Q&A SIG

The OS/2 Question & Answer special interest group provides an opportunity to get answers to any OS/2 related questions you may have. You've heard of OS/2 but don't understand what all the fuss is about? You just bought OS/2 and would like some guidance before installing it? You're an experienced OS/2 user, but are seeking an answer to some particular problem? You're an OS/2 Guru and already know all the answers? Regardless of your level of knowledge, this SIG is for you. If you've got questions, someone else in the group can probably answer them. If you've got answers, someone else in the group probably needs them.

OS/2 Warp, the new version of OS/2, has been available for some time now and sales are strong. The Warp BonusPak is one of the reasons for this success and the cornerstone of the BonusPak is the IBM Internet Connection for OS/2. The Internet Connection provides everything you need (and more) to get "up-and-running" on the Internet. IBM's WebExplorer is not included in the package, but is VERY easily downloaded through the "Retrieve Software Updates" object in the "Internet" folder. This is a VERY nice feature to help you keep your software current. Just connect to the Internet, start the object, and select the updates you want to install. It

SIG

will then install the updates automatically. Very nice.

Come to the meeting and hear the details about our special group rate agreement with a local Internet service provider. See you there!

Larry Truesdale

Paradox SIG

I am scheduled to do the two-part "Introduction to Relational Database Design" presentation for the Access group this month and next. I'm open to anyone who wishes to do a presentation of some tip, trick, or simple application here in the Pdox SIG. Please see either myself or Tom about the details.

I would do a presentation on a recent small Pdox Engine project I did, but after all, we do have a mixed audience. We don't need "rocket science" presentations. I have found that I learn more just watching someone else that has a different angle of approach to Paradox.

We have regained a Borland technical representative here in the Metroplex and we now have two. I understand that they intend to split the product lines between them, as well as sharing the entire Metroplex.

I don't know about everyone else, but I'm anxiously awaiting the roll out of "Delphi 95" the new Borland Client/Server development product. I expect this product will be the next major indicator of the future of Borland's database development direction, as well as what may be the last hope to pull the whole company back into the mainstream. Delphi 95 won the "Best of Show" award at the '94 fall Comdex. Let's hope the rest of the world sees it that way.

Fred Williams

Personal Users

The following is the tentative schedule for the Personal Users classes that will be offered during the next five months. Classes can be taken in any order suitable to the individual student's schedule. Printed notes are provided during Classes.

January 21, 1995

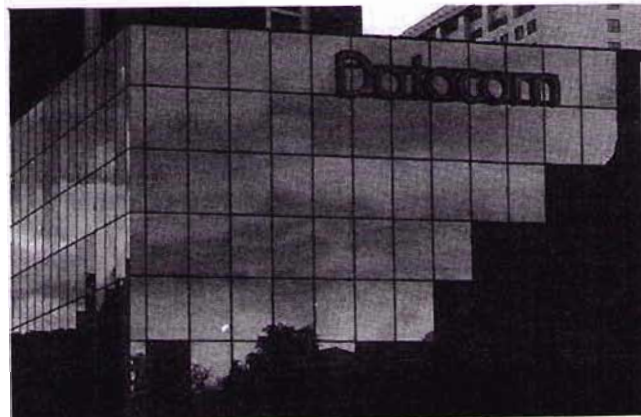
- ❖ 9:00 Class 1
Introduction to Personal Users SIG and the Personal Computer
- ❖ 10:00 Class 2
Working with Files & Directory Structures
- ❖ Noon Class 3
Disk Operating System (DOS) - Part I
- ❖ 1:00 Class 4
DOS - Part II

February 18, 1995

- ❖ 9:00 Class 5
Graphics for the PC
- ❖ 10:00 Class 6
Word Processors
- ❖ Noon Class 7
Spreadsheet Programs
- ❖ 1:00 Class 8
Other Software for the PC

March 25, 1995

- ❖ 9:00 Class 9
Hardware for the PC



- ❖ 10:00 Class 10
Printers for the PC
- ❖ Noon Class 11
Overview of Quicken Accounting Software
- ❖ 1:00 Class 12
Modems & Telecommunications
- ❖ 2:00 Class 12a
NTPCUG Bulletin Board System (BBS)

April 15*

- ❖ 9:00 Class 13
Overview of Microsoft Windows
- ❖ 10:00 Class 14
Overview of MultiMedia Software & Hardware
- ❖ Noon Class 15
Disk of the Month (DOM)
- ❖ 1:00 Class 16
PC's Into the 21st Century

May 13* No Classes

* These dates are subject to change. Check your PC NEWS and/or the NTPCUG BBS for corrected dates before the meetings.

Classes are FREE and OPEN to ALL Beginners, Novices, New PC Owners, Soon-To-Be PC Owners, etc. COME JOIN US AS WE LEARN THE FUNDAMENTALS!

Alex Lilley

Programmers SIG

The team of programmers from the PRO SIG finally located the building in Auckland, New Zealand where Jim Hoisington was being held hostage by the evil Vice President of DFW Xchange Corporation. Posing as a group of Australian contract programmers

just returning from vacation in Fiji, the group was able to pass through security and get to the third floor of Datacom House (left) where they found Jim. Chained to his computer, existing on a meager diet of Steinlager, fish and chips, he was being forced

to work on project TV.

Join us in January as Jim tells all he knows about the upcoming release of "Warped Top View 98".

Jim Hoisington

QUICKEN

Following the most popular personal budgeting/financial record-keeping software, the Quicken SIG appeals to both beginners, as well as the more experienced devotee.

A typical session draws 30-40 attendees—and there is adequate opportunity for questions and dialogue.

Tentative future programs are.

- ❖ January - Investments on Quicken by **Don Isaacson**
- ❖ February - Setting up accounts and categories—beginning steps

Our forum covers both the DOS version through the new Windows 4 release. Your participation is welcome.

Phil Faulkner

StarSIG

StarSIG for November featured news of Comdex, delivered by SIG Leader **Jim Boughton**. Jim, still exhausted from the redeye flight from Las Vegas, told us all he could remember.

Comdex, more crowded than ever, featured events, technologies, and goofs. The big event was the MicroGrafx Chili Cookoff, a benefit for the Center for Missing and Exploited Children. Jim brought back massive heartburn, an earful from Willie Nelson, and an interview with Paul Grayson, President and CEO of MicroGrafx (See StarText INTERVIEW22). Among many technical items, his favorite was the Timex DataLink watch, able to download a small database from a flashing computer screen to give you notes, reminders, and alarms conveniently on your wrist. Goof of the year was probably the press room, where IBM was late, short of equipment, and failed to deliver promised samples of Warp (OS/2 Version 3).



StarSig also discussed StarText programs still available for download and greeted FREELoader Jerry Holmes' fiancée, his girl from the 1930's. Come to StarSig any User Group Saturday at 9:00 AM and join me in finding out what will happen next. As Assistant SIG Leader, I am usually surprised by what happens. Plans? Surely, you jest!

William L. Jones

Visual Basic SIG - Beginning

The January 21st meeting of the Beginning Visual Basic SIG will feature a presentation from one of our members, Chris Schnick. Chris created an application for the express purpose of learning Visual Basic. The application selects random numbers for the Texas Lottery (both the six-number and three-number games). Chris has written an application that includes all of the major components of a complete Visual Basic application. You may examine the application yourself if you can access the NTPCUG BBS. Chris attached a zipped file to Message Number 12548 which contains all the files necessary to install "Lottery X" on your computer. Download it, install it on your computer and give it a check ride. If there is a topic you wish Chris to discuss at this month's meeting, leave him a message on the NTPCUG BBS.

Last month, we finished up on the Data Control exercises. I created a database using the Data Manager application supplied with Visual Basic.

Future meetings of the Beginning Visual Basic SIG will feature "For Beginners Only" in February, Database Structure in March and An Introduction to Objects in April.

A new forum has been established on CompuServe exclusively for Visual Basic. It is sponsored by the *Visual Basic Programmer's Journal (VBPJ)* and includes a section enti-

tled "Beginner's Corner." The Section Leader for Beginner's Corner is Deborah Kurata and she is doing a fine job. Deborah and Kathleen Joreris are moderating a study group that is going through the *Visual Basic Programmer's Guide* chapter by chapter. They started in November and by the time you read this they will be halfway through the guide. You should be able to catch up as they are capturing each chapter(s) thread and uploading to the forum. Lots of good discussion going on. To keep costs within reason, use an off-line navigator to download the traffic and read the messages without the meter running! There are approximately 20 sections in the VBPJ forum. Notable ones are "User Groups," "Database Warehouse," "Client/Server," "Multimedia," and "Classifieds." To access this forum, type GO VBPJFO.

A second Visual Basic Workshop has been formed under the leadership of Tom Browning. Tom is Assistant SIG Leader of the Paradox SIG and is looking to learn Visual Basic. Each meeting of the Beginning Visual Basic SIG will now include a status report on each of our Visual Basic Workshops. If you are interested in starting a workshop or participating in one, see me at the meeting (preferably before the meeting starts). We will try to get all interested parties together.

Bring your questions on Beginning Visual Basic to our meeting beginning at 8:00 AM on Saturday, January 21, 1995. Check the Infomart lobby screens for the correct room assignment.

Jim Carter

Visual Basic SIG

The January 21st meeting of the Visual Basic SIG will be a question and answer session led by **Woody Pewitt**, the Visual Basic SIG leader. Bring your questions to the meeting and we will try to get you an answer.

Fred Exposes Self — To Internet & World Wide Web

My best wishes to everyone for a healthy and productive 1995!

I have been exposing myself (mentally) to more and more of the "new" Internet here recently. My, my, but the picture has changed! I got a grand tour of the "World Wide Web", whatever that is. It was very graphical, and actually not too error prone. I can see that getting on the Internet with no real purpose in mind could cause one to diddle away incredible amounts of time.

Not to worry, I fully expect we won't be offering the "Web" on the NTPCUG BBS in my tour as Sysop. That would take incredible resources greased with massive quantities of ready cash.

I think that if many users are not careful they will be able to lose more hours a day than they ever imagined with access to the coming subset of Usenet News. I found out a very long time ago that hours just melt away if no discipline is used when approaching such a massive resource. So much interesting stuff to read, and so little time.

I'm hoping that by the time this hits the press we will have at least found a UUCP supplier. And, with

NTPCUG — ON-LINE

by **Fred Williams**
SYSOP, NTPCUG BBS

a little luck, I might actually be doing some initial testing.

I have placed two US Robotics, Courier V. Everything modems on order. These will be used to replace two of the BBS's more reluctant servants. I finally just got fed up with too many trips to Addison. I'll use at least one of the replaced modems for UUCP service. When you read this, you may find that if USR has exceeded my shipping expectations the new modems may actually be installed.

Which brings up a curious situation. I have not seen the expected headlong rush to deliver V.34 modems. I got the distinct impression that most modem vendors were days, if not hours, from shipment and were just waiting for approval of the V.34 specification. I have heard that the final specification is

proving a little tougher to implement than some thought.

Hayes in News — Shocking

And yet another situation, this one a shocker. Seems that Hayes, the manufacturer of the modems that created the "AT" command set standards, filed for Chapter 11 bankruptcy protection in late November of last year. The event has been blamed on mismanagement of production plant expansion. Most expect Hayes to spend a relatively short time under court protection, as orders were at an all time high at the time of the Chapter 11 filing.

Enough about situations, back to the Internet and other exciting stuff. I have noticed a steady increase in the amount of column inches that are being gobbled up by the Internet and related subjects in *Boardwatch* magazine of late. Seems Jack Rickard, Editor Rotundas, has again found a medium on which to run amuck.

I encourage those of you who just can't get enough about the "Information Super Highway" to download the electronic version of *Boardwatch* magazine located on the NTPCUG BBS. If nothing else, reading the musings of Editor Rotundas will at least cause you to reconsider just how crazy you thought you might be.

Enough of this, back to messen' with UUCP, UUCICO, and other strange stuff.

Fred Williams

SIG ■■■■■■■■

The NTPCUG User-To-User Program is supported by both Visual Basic SIGs to provide assistance to Visual Basic programmers. For details, see the listings for this program near the back of this newsletter.

Woody invites any member of the SIG to present a program at the Visual Basic SIG meeting. If you have a topic you would like to discuss, contact Woody to make arrangements.

Jim Carter & Woody Pewitt



Disks of the Month (DOM) for December

Note: All of these disks are distributed on 1.44M disk only

Disks of the Month released at the December Meeting

Disk 924. *Morning Star 94™*, 11/94 — Christmas Carols for the PC by Gerald A. Epling, P.O. Box 835956, Richardson, TX., 75083. Shareware Fee: \$0.00 - Happy Holidays!.

Morning Star 94™ is a collection of Christmas carols for the IBM or compatible personal computers. No registration fee is assessed. Christmas carols are part of our cultural and religious heritage. *Morning Star 94™* provides a sample of the music and poetry of Christmas carols. With

this program, reproduction of tones is quite accurate, suitable for ear training. Actual notation for the music being played is shown on the screen as the carol plays. These songs are suitable examples of Christmas carols for any school, group of students, or audience interested in Christmas.

Some of the selections included are "Silent Night," "We Three Kings of Orient Are," "Away in a Manger," "Hark the Herald Angels," "Good King Stanislaus," "Deck the Halls," "Little Town of Bethlehem," and many others. Very nice, relax-



ing music for Christmas morning around the boughs of holly, the Christmas tree and all the goodies yet to be discovered!

For continuous play, select the "play many" option on the features list and use the space bar to mark all the different songs you would like to hear. When you press enter, the selected music will start playing. Escape anywhere, anytime, with the escape key.

Licenses for the *Star Music Writer™* are available for \$45.00 from the author at the address above.

HARDWARE REQUIREMENTS: *Morning Star 94™* requires an 80286 or later CPU, VGA graphic capability and 580 K of available RAM. The music will play on your pc speaker, *SoundBlaster™* or on selected MIDI devices.

Software donated by Author and NTPCUG member, Gerald A. Epling.

This README prepared by Jan Parkhill, edited by Will Davis (12/94).

Disk 925. *No Windows BASIC Language Programming II*, 11/94 — NTPCUG Beginner's Basic SIG written and ©1993 to 1994 by Charles J. Jacobus. Published by: Wes-cap Industries Inc., 795 Maplewood, Keller, TX 76248. Phone: 817-379-5287. Fax: 817-431-9560. Shareware Fee = \$15.

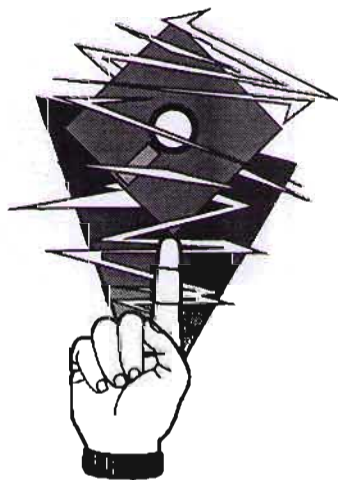
The material on disk 846 (*BASIC Language Programming*,

6/93) was first written in book form in 1985 to teach programming in the Microsoft *GW-Basic* language, with an emphasis on creating specialized programs for business and accounting systems. The material was updated for presentation to the Beginner's Basic class at the North Texas PC User Group, at their monthly meeting at the Infomart in Dallas, Texas. About half the class have *GW-Basic* and the other half have *QBasic*, so it was thought it might be good to include sample programs and explanations that would suit both. This updated book-on-disk includes the added *QBasic* and *QuickBasic* commands and non-line number programs.

Top Twenty DOM Disks

Want to know what's hot? These are the 20 most popular NTPCUG DOM Library disks - as of December 12, 1994

- 0901 *Auto Net 1.4* — Internet
- 0891 *Beginner's Guide to Internet*, 1.0
- 0904 *Microsoft Diagnostic Utility 2.11*
- 0905 *SYSCHK 2.4* — Diagnostics
- 0902 *PC Magazine Utilities 1994 May-Sep*
- 0908 *VirusScan and Vshield 2.12E*
- 0923 *IconMaster 1.2d*
- 0895 *Time Set* — Clock program
- 0893 *Ms. Chomp for Windows 1.1*
- 0894 *Federal Zone*, 7/93
- 0907 *The Constitution Notebook*
- 0909 *VirusScan for Windows & OS/2 2.12E*
- 0903 *A ButtonFile 1.0*, 2 Disks
- 0906 *CD Index*
- 0877 *VirusScan WINDOWS 9.21 v111*, 1/94
- 0896 *Telix 3.22*
- 0897 *Speed Reader 1.40*
- 0911 *Color View 2.53*
- 0921 *Rockford! 3.0*
- 0892A *DOOM 1.2*, 2 Disks
- 0916 *Microsoft Technet Sampler*



DOM DISKS ...CONTINUED

Written subject material has been given to the students at each monthly session. However, new students arrive each month and need to start at the beginning. And people miss sessions for various reasons. Also the question arises: when shall we start the cycle over? (This question has not yet been answered because there are at least as many more subjects to be taught.) So we have created disks 846 (dated 6/93) and this disk 925, which is all the text material and example programs starting at the beginning. About every year we will have a new disk with the added subjects we have lectured on in the meantime, with additional example programs.

It is our desire that this material be widely distributed via modem or disk to any BBS or computer club who wants it. Each chapter and example program should be kept intact with this file included and with all copyright notices in place. We would appreciate a note from any BBS or computer club who puts this disk in its library so we can send upgrades direct when they are first available.

The source for this software was the author, Charles J. Jacobus, who is also the NTPCUG Beginning Basic SIG leader. Edited by Will Davis (12/94).

Disk 926. WINCAT 3.4, 3/94 — Windows Floppy Disk Cataloger by Mart Heubelc de Heugden 161, 6411 DR Heerlen, The Netherlands. Shareware Fee: \$15.00.

Where did I store those files? On a floppy? My hard disk?

WINCAT is a Windows based program written to help you maintain a catalog and list of your floppy disks, CDROM li-

braries and even your hard disk. How many times have you needed to find a file or program, but you were not sure which floppy you had stored the file on? Once you begin to catalog your diskettes, you will wonder why you hadn't been doing this all along.

You can search for a filename or a volume by using a search key, taking all the work out of locating files. The only "hard part" is numbering your diskettes with a system or code to help you find the disk you want after WINCAT tells you where your file is located. Actually, this is another good habit you will acquire and your disks will be much friendlier!

WOODLE is a graphic disk-label utility with a WYSIWYG layout editor the author has included. You can automatically label your diskettes and floppy disks to further assist you in locating data on your diskettes.

You'll like this simple, easy-to-use database program to catalog your disks, CD-ROM's and hard drive directories. Oh yes, it even has the ability to play .WAV soundfiles.



There's something for everyone.

SYSTEM REQUIREMENTS: Windows 3.1, (S)VGA Monitor (EGA not acceptable), 4 MEG RAM memory, 2 MEG Hard Disk available, and Mouse (recommended).

Shareware provided by NTPCUG Member Jan Parkhill.

This README prepared by Jan Parkhill, edited by Will Davis (12/94).

Disk 927. STORM 6.03, 6/90 — Hurricane Tracking Software Programmed by: Thomas Pesek, UTOPIA Software, PO BOX 420324, Houston, Texas 77242. Shareware Price: \$25.00.

The purpose of this program is to track hurricanes. Storm tracks can be stored in disk files for future use. Storm data can be entered and reports printed on the storm's location by date and time. In addition, graphical tracking maps showing the storm's position and track can be generated. STORM generates hard-copy plots using an Epson or IBM printer or an HP Plotter. You can track to one of 17 included cities or enter the coordinates of your own city.

The first time that you use STORM, run option 0 (Configure your System) to set STORM up for your system. Select your desired time zone, wind speed units, central pressure units, monitor type, adapter type, etc. Your choices will be written into a file called STORM6.DFT. After you configure your system, it will then start up correctly thereafter.

Software provided by NTPCUG Member Frank Miller.

This README prepared by Frank Miller, edited by Will Davis (12/94).

Disk 928. SLearn 2.0, 9/92 — Script Writer for Telix's SALT Language by Paul Roub, PO BOX 141583, Coral Gables, Florida 33114. Shareware Fee

\$15.00 (includes SLearn & TelixFonEd).

The author says — Telix is the best communications program you'll find. Not even Telix is perfect, however. Two common complaints go hand in hand: that Telix's script language (SALT) can be difficult for non-programmers to learn, and that Telix lacks a "learn" mode which can automatically create SALT scripts for you. (Like a "macro")

For example, suppose you wanted to log on to a TBBS system. You would connect to the BBS, wait until you saw the prompt, "Enter Your Name:", wait for a prompt for your "PASSWORD:", etc. Of course, you don't want to have to go through this every time you log on to that board — this log-on process never changes and gets very boring. I'm even prone to typing errors.

Now, Telix DOES have a learn mode. It's called SLearn, the SALT Learn utility. SLearn will write your SALT scripts for you — it will compile the scripts, include them in your dialing directory and even name them for you, all automatically!

In practice, you enter SLearn in your dialing directory under SCRIPT and the next time you log-on to a BBS, SLearn begins copying your keystrokes, converting them into a script for your next log on to that board. It really is that simple. This program is well worth the price for users wanting to use scripts, but who don't want to learn the SALT programming language.

And look at the bonus when you register...a two for one at a very good price includes TelixFonEd dialing directory editor!

SYSTEM REQUIREMENTS: MS-DOS 3.0 or DR-DOS 5 or above, Telix 3.11 or above, and 100K free RAM.

Shareware downloaded and provided by NTPCUG Member, Jan Parkhill.

*This README prepared by
Jan Parkhill, edited by Will
Davis (12/94).*

Disk 929. WHATPORT 4.0, 10/91 — COM Port, Mouse and IRQ Detector by Life Sciences Software, 8925 271st Street, NW, Suite 112, Box 1560, Stanwood, Washington 98292. Author: Pete Petrakis (CIS 76555,1175). Shareware Fee: \$15.00.

With the increasing problems of installing modem and CDROMS, it becomes very handy to have a helper to assist you with solving some of the many conflicts that occur with COM ports and IRQ settings in your system. In the simplest form, it's sometimes nice to be able to view your port settings without a big hassle. WHATPORT can instantly tell you what COM ports are in use as well as the IRQ assigned to that serial port.

The program identifies the type mouse installed, and if there is a potential conflict with your mouse and a COM port device, WHATPORT will inform you with a warning message on the screen.

The author admits many of us may only use the program once to install a modem or CDROM while some professional people will use the program many times each day. In that case, the author openly states it would not be suitable for the one time user to have to pay his normal shareware fee, so it becomes only necessary to register the utility if you use it frequently or on a regular basis.

Installation is as simple as placing the two files, WHATPORT.COM and WHATPORT.DOC in a directory in your path. You just type WHATPORT for the program to reveal all the details you will need to sort out your COM port installation problems.

Shareware downloaded by NTPCUG Member Jan Parkhill.

*This README prepared by
Jan Parkhill, edited by Will
Davis (12/94).*

Disk 930. FIXTIME 1.1, 3/94 — Utility to set your computer's clock. Author: Jeff Hubbard. Freeware.

Well, you've had your computer long enough to discover the clock is always running several seconds to several minutes behind. Maybe you are one of those that never bothers to set the time on your computer because it will just lose time again! Now, there is a cheaper (free) solution short of making a long distance call to the Atomic Clock in Boulder, Colorado.

This Freeware program will see that your computer keeps correct time with no effort from you and it adjusts the time each time you reboot your system.

This utility works well doing a simple job DOS forgot to include.

The program consists of just two files, FIXTIME.EXE and FIXTIME.DOC. To install, you place the two files in a directory on your hard drive that is listed in your path. First, type FIXTIME and a file is created in the root directory named FIXTIME.FIL. You then wait 3 days to one week (7 days) and type FIXTIME a second time to complete the cycle of setting up the program. At this point, FIXTIME creates a formula that tells your computer how much your system slows down in x



DOM DISKS ...CONTINUED

number of days. (Whatever number of days you let elapse before you ran FIXTIME the second time.) Edit your AUTOEXEC.BAT file and insert this command line: C:\path\FIXTIME /F. The /F switch tells FIXTIME to correct your time by the amount of time the formula says your system is running behind. Now, each time you reboot or run AUTOEXEC.BAT, your clock will be automatically updated. If it gets totally out of whack, just repeat the process by deleting FIXTIME.FIL, and typing FIXTIME.EXE again to re-run the process.

SYSTEM REQUIREMENTS: Any XT, AT system with a battery powered built-in clock. DOS 2.x or higher.

Program provided by NTPCUG Member Jan Parkhill.

*This README prepared by
Jan Parkhill, edited by Will
Davis (12/94).*

Disk 931. SLEEP 3.02, 1/94 — IDE Hard Disk Greening Utility. EnQue Software Services, Route 1, Box 116C. Pleasant Hill, MO 64080. Freeware.

Most IBM and compatible PC computers shipped in the last several years use IDE hard disks. Many of these hard disks have built in power-saving features, where the drive "spins down" after a certain amount of time. This feature is especially useful for computers that must remain on for long periods of time, such as BBS's and computer-driven FAX and voice mail systems. However, it is seldom used except in notebook computers. With SLEEP.EXE you can now take advantage of this feature effortlessly. This program is not a TSR and consumes no memory. Simply include the following line in your AUTO-

EXEC.BAT file: C:\path-name\SLEEP C 10.

The first parameter specifies the drive and can be either C or D. If you have two drives, simply add a line for each drive. The second parameter is the timeout in minutes. This can be between 1 and 15. After this amount of time, if no disk activity has occurred, your hard disk will "spin down". In other words, the drive motor will shut off. As soon as your computer needs to access the disk, the drive will "spin up" and proceed as normal.

Depending on your hard disk type, this may take anywhere from 2-10 seconds. This cycle then repeats. During normal use, you may never see the drive spin down, but during breaks, lunch, and overnight, the benefit occurs.

Don't worry about spinning the drive up and down - they are rated in the tens of thousands of cycles. This is dozens of cycles per day for years - more than the life of most PC's. If you would like to return the drive to the default setting, simply enter 0 as the timeout value.

This product does not read or write to your disk at any time, and will automatically detect an IDE drive. If your drive is SCSI or an older AT drive, the program will simply exit with an error message. The program will also tell you if you have an IDE drive that does not support standby mode.

SYSTEM REQUIREMENTS: Most XT/AT computer system with IDE Hard Disks.

Shareware provided by NTPCUG Member Chuck Fiedler.

DOM DISKS ...CONTINUED

*This README prepared by
Chuck Fiedler, edited by Will
Davis (12/94).*

Disk 932. DCOPY 2.0, 3/93
— One Pass Floppy Disk Dupli-
cator by Scott Abra-
mowitz, P.O. Box 25724, Fort
Lauderdale, FL 33320-5724.
Shareware Fee: \$15.00.

The ability to make a com-
plete copy of a diskette, not
just the files on it, can be very
important, especially if you
are making your permitted
backup copy of commercial
software. Many times the
original diskettes have serial
numbers and/or empty subdi-
rectories which would not get
copied over with a simple file
copy. Also, with a simple file
copy, you end up swapping
diskettes until your arm
hurts. So, you can use DOS's
DISKCOPY and you would
get a complete "track and sec-
tor" copy but you don't get
any feedback indicating how
the process is going.

DCOPY makes a one pass
"track and sector" copy AND
it gives you a neat picture of
what's going on as it hap-
pens. With DCOPY you can
make a single or multiple cop-
ies of the diskette. You even
get a picture of any bad sec-
tors on the diskette. I find it's
more fun and more intuitive
than DOS's DISKCOPY mak-
ing DCOPY a handy utility to
have.

SYSTEM REQUIREMENTS:
Any XT\AT system with DOS
2.0 and higher.

Shareware provided by
NTPCUG Member Chuck
Fiedler.

*This README prepared by
Chuck Fiedler, edited by Will
Davis (12/94).*

Disk 933. WinZip 5.0, 1/94
— Windows ZIP/UNZIP
Viewer Manager Utility by
Niko Mak Computing, Inc.,

PO Box 919, Bristol, CT
06011. Shareware Fee: \$29.00.

WinZip is another of the very
good Windows based utility
programs being put out as
Shareware for a very good
price. This program is so in-
tuitive you will wonder how
you got along without having
this PKZIP companion pro-
gram all along. You can view
zipped files, read zipped files,
extract and compress zipped
files and now, the best part,
you can click on the button
for "Check Out" and WinZip
will set up a Windows Group,
complete with icons for all the
readme files and executable
files!!

You can run your new Share-
ware program, become famil-
iar with how it works and
you haven't even unzipped
the compressed file yet! This
really streamlines and speeds
up the process of wanting to
"look into" that new program
you just downloaded from
your favorite BBS system.
This program is well designed
and it's a "must have" for
your Shareware library.

The program is so easy to
run; just click the button bar
selections and it's self-explana-
tory with just an occasional as-
sist from the context sensitive
help section. The best news
for last: this program can run
a virus scan for you as you in-
vestigate any new download
for a possible dangerous virus
problem. Read the documen-
tation on how to setup for the
virus scan program.

SYSTEM REQUIREMENTS:
MS-Windows 3.1 or later and
PKZIP 2.04g (available on
NTPCUG Disk 813).

WinZip will run many other
compression programs, but
you must provide separate
programs for PKZIP 2.04g,
LHA, and any virus scan pro-

grams you want to run, like
McAfee's Scan, etc.

Shareware provided by
NTPCUG Member Jan Park-
hill.

*This README prepared by
Jan Parkhill, edited by Will
Davis (12/94).*

Disk 934. Jazz Jackrabbit —
SPECIAL HOLIDAY EDI-
TION 1.0, 12/94. EPIC Mega-
Games, 10406 Holbrook
Drive, Potomac, MD 20854.
SHAREWARE with several
different registration options.

HOLIDAY HARE is a special
CHRISTMAS EDITION of the
very popular arcade game
Jazz Jackrabbit. It features
three all new Jazz levels plus
three new 3D bonus stages.
The animation is fantastic and
it also has a special holiday
sound track. The action is
very fast. Young and old kids
both will love the action. A
sound card is not required,
but really adds interest with
the wonderful sound track.

Hardware requirements are a
33-Mhz or faster 80386 proces-
sor with 4 Megabytes of mem-

ory. Joystick, Gravis
Gamepad, Sound Blaster, SB
Pro, SB16, PAS16, and Gravis
Ultrasound sound cards are
all supported but not required.

The only file on the disk,
HOLHAR.EXE, is a self-ex-
tracting program which
prompts you to find which
drive and what subdirectory
you want the game installed
to. The program then extracts
itself to that location. The
files take slightly over 6 mega-
bytes of hard disk space.

Registration for the first 3 epi-
sodes of Jazz Jackrabbit is \$25.
There are an additional 3 epi-
sodes available for \$25. There
is also a CD Rom and other re-
lated products available.

This software was down-
loaded from EPIC Mega-
Games Forum on CompuServe
by NTPCUG Member Gerry
Heine.

*This README prepared by
Gerry Heine, edited by Will
Davis (12/94).*

On Cleaning ...

Just a short reminder. If you can't remember the
last time you cleaned your computer, now is the
time to do it. The inside of your computer can accu-
mulate a lot of lint and dust in a short time.

Rather than vacuuming, the inside of the case
should be blown out, with clean air in a can. Use
the same air with a nozzle to get your falling hair,
etc., out of the keyboard.

The inside of the mouse should be cleaned once a
month; look for lint inside and black lines of
gummy stuff on the rollers.

While most of us make a lot less use of floppy
drives, if you do have any problems, a quarterly or
annual cleaning may be in order before paying for
other repairs. Cleaning kits are about seven bucks.

If you have had your dot matrix printer for a cou-
ple of years, vacuum any trash out of the area
where the head runs and put a bit of household oil
on a rag and rub it on the rails that the head runs
on. This should be a *very* light coating of oil.

Mike Firth

NTPCUG User - To - User Program

NTPCUG USER-TO-USER PROGRAM

Introducing the NTPCUG User-To-User program, composed of members who are willing to donate their time to help others with software and hardware questions. Some of our helpers are professional consultants. All have joined the User-to-User Program because they want to share their knowledge with others and help them. They agreed to answer questions that they are comfortable handling over the phone, without charge, and within reasonable time limits (at the volunteer's discretion).

These individuals are volunteering to assist NTPCUG members. NTPCUG is assisting in finding these volunteers for you, but cannot be responsible for unsatisfactory outcomes. Next to each subject, we will list the person's name, phone number and the times they are available. Please honor the wishes of our helpers by seeking help only during those hours.

Please try to resolve your problem by reading the manual and any on-line help **BEFORE** calling.

SUBJECT	HELPER	PHONE	DAYS/HOURS	SUBJECT	HELPER	PHONE	DAYS/HOURS
Access				DOS (all MS versions)			
	Larry Linson	(817)481-2350	M-Sa 1300-1500		Rick Steffon	(214)327-2728	7 1000-2400
Assembly Language				Hardware Help			
	Frank Cavallito	(214)423-9221	7 1800-2200		Charles Miller.....	(903)938-4220(*)	7 1800-2400
	Glynn Brooks.....	(214)888-0625	M-F 0800-1600	HyperAccess			
BASIC					Woody Pawitt.....	(214)230-3485	M-F 0800-1800
	Mike Firth	(214)827-7734	7 0800-2200	LANs — Novell			
Beginner Problems					Joseph Beasley	(214)225-8752	7 0800-2400
	Jan Parkhill.....	(214)828-2216	M-Sa 0900-1700		— <i>Lantastic</i>		
	Shirley Hudgens.....	(214)352-2800	7 0900-2000		Joseph Beasley	(214)410-3818	7 0900-2200
Brother's Keeper				Managing Your Money			
	Neil Sunderland.....	(214)272-2869	7 0900-2200		Glynn Brooks.....	(214)888-0625	M-F 0800-1600
C (the language)				MathCAD			
	Howard Harkness.....	(817)267-6227	Sun 0900-1200		Bob Adams	(214)328-1455	M-Sa 0900-1900
	.....		T&T 1800-2030	OS/2			
C++ (the language)					Larry Truesdale	(214)442-7074	7 1000-2200
	Bob Adams.....	(214)328-1455	M-Sa 0900-1900	PC Tools/Win			
	Howard Harkness.....	(817)267-6227	Sun 0900-1200		Glynn Brooks.....	(214)888-0625	M-F 0800-1600
	.....		T&T 1800-2030	Paradox			
	Don Cochran	(214)578-9258	T&T 1800-2030		Fred Williams.....	(214)492-1315	7 1300-2100
Batch Files				ProComm/ProComm+			
	Charles Miller	(903)938-4220(*)	7 1900-2400		Doug Gorrie	(214) 464-7942	M-F 0800-1700
Borland C++					.....	(214) 618-8002	S-S 1000-1900
	Bob Adams.....	(214)328-1455	M-Sa 0900-1900		Bill Green.....	(817) 731-1308	
	Howard Harkness.....	(817)267-6227	Sun 0900-1200		Joseph Beasley	(214)225-8752	7 0800-2400
	.....		T&T 1800-2030		Joseph Beasley	(214)410-3818	7 0900-2200
Comm Software				Quicken			
	Doug Gorrie.....	(214) 464-7942	M-F 0800-1700		Billy Pitts	(817)430-8148	7 1830-2100
	.....	(214) 618-8002	S-S 1000-1900		Jim Hall.....	(214)348-7848	7 1000-2100
CompuServe				Quickbooks			
	Bob Adams.....	(214)328-1455	M-Sa 0900-1900		Jim Thompson.....	(214)953-0051	M-F 0800-1800
dBASE III, III+, IV & Windows							
	Ted Gillam.....	(214)964-7923	7 0800-1700				

NTPCUG USER - To - USER PROGRAM

SUBJECT	HELPER	PHONE	DAYS/HOURS
SPFFPC			
	Doug Gorrie.....	(214) 464-7942	M-F 0800-1700
	.....	(214) 618-8002	S-S 1000-1900
TurboVision			
	Howard Harkness.....	(817)267-6227	Sun 0900-1200
	.....		T&T 1800-2030
	Don Cochran.....	(214)578-9258	T&T 1800-2030
UNIX			
	Doug Scott.....	(817)261-4653	7 1830-2200
Virus & Anti-Virus			
	Charles Miller.....	(903)938-4220(*)	7 1900-2400
Visual Basic - Advanced			
	Woody Pewitt.....	(214)230-3485	M-F 0800-1800
Visual Basic - Beginning			
	Jim Carter.....	(214)235-5968	7 1700-2130

L.J. Johnson.....	(214)495-9067	7	1700-2130
Gene Hamelman.....	(214)495-6342	7	1700-2130

Windows

Rick Sivemell.....	(214)306-5422	7	1830-2200
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Windows for Workgroups

Joseph Beasley.....	(214)225-8752	7	0800-2400
Joseph Beasley.....	(214)410-3818	7	0900-2200

Word for Windows

Beverly Kurtin.....	(817) 355-9594	7	
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WordPerfect 5.x WWin

Georgene Harkness.....	(817)267-6227	Sun	0900-1200
.....		M-F	1800-2030

Works, Microsoft

Mike Firth.....	(214)827-7734	7	0800-2200
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XENIX

Doug Scott.....	(817)261-4653	7	1830-2200
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The subject areas below do not have a volunteer to answer questions. If you would like to assist or add possible categories for the future, please contact Bill Drissel at (214)264-9680 M-F 1830-2200 or Sa & Su 0900-2200. Bill will send you a form on which you can list your qualifications and sign.

LEGEND:

7 All 7 days of each week
 M-F Monday through Friday
 T&T Tuesday and Thursday
 M-Sa Monday through Saturday
 S&S Saturday and Sunday
 (*) Caller should incur any Long Distance charges

Areas Needing Helpers:

\$ & Sense	Norton Utilities
Borland Turbo C	OS/2
CAD	PAF
Corel Draw	Pagemaker
Dataflex	PC Hookup
dBase, dBase III+/IV	Personal Tax
DeskLink	Preparer
Desktop Publishing	PKzip/PKUNzip
DOS (MS)	Portfolio Analyzer
DR DOS	Q&A File
Easy Text	Q & A
First Choice	QuietWrite
First Publisher	Roots
Fox Pro	Smart
Fund Watch Plus	Smart Notes
Harvard Graphics	Sound Blaster
It's Legal	Stacker
LapLink	SuperCalc
Mathematica	Symphony
Modems	TurboTax
Money Counts	Corel Ventura
Money Plans	Publisher
Microsoft C	Word (see Microsoft)
Microsoft C++	XTree
Microsoft Visual C++	
Microsoft Word	
MKS products	

North Texas PC Users Group, Inc. Membership Application

The NTPCUG is a non-profit independent organization of individuals learning to apply personal computers to practical problems. For additional information, call (214) 746-4699.

Member # _____

Name: (Last) _____ (First) _____

Address: _____

City: _____ State: _____ ZIP: _____

PHONE: (Check Preferred No.) Home ____ (____) _____
 Work ____ (____) _____ (Ext) _____

Occupation/Profession: _____

Check one from each column below

Payment:	Membership Classification:	Application Status:
Cash _____	Regular (\$24.00) ____	New Member _____
Check _____	Student (\$12.00) ____	Renewal _____
Credit Card _____		Address Change _____

Applications should be mailed to: North Texas PC Users Group, P.O. Box 780066, Dallas, TX 75378-0066 (Make checks payable to NTPCUG.)

Please initial here _____ if you do not wish to have your address included on member lists sold for the NTPCUG's benefit to advertisers of IBM compatible products.

North Texas PC Users Group, Inc.

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

Phone (214) 746-4699 for recorded information about the North Texas PC Users Group and scheduled meeting date times and locations. Please leave a message if you would like specific information about the Group.

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 with \$24 membership dues to the Membership Director — address shown below. Subscription to the newsletter is included with each membership. The Group meets once each month, usually on the third or fourth Saturday. See inside front cover for date, time and place of the next North Texas PC Users Group meeting.

NORTH TEXAS PC USERS GROUP Officers and People You should know . . .

North Texas PC Users Group, Inc.

Board of Directors

Andy Oliver, Chairman
 Reagan Andrews Timothy Carmichael
 Doug Gorrie Jim Hoisington
 Alex Lilley Fred Williams

NTPCUG Bulletin Board

NOTE: To access the BBS Metro line from outside Area Code 214, use Area Code 214. (This is NOT a toll call from Fort Worth and the Mid-Cities area.)

Bulletin Board Settings: N - 8 - 1
 (No parity, 8 data bits, 1 stop bit)

NTPCUG Officers

President	Andy Oliver	(214) 223-4044 h (214) 960-4215 w
President-Elect	Jim Hoisington	(214) 416-3101 h
Program Chairman	Timothy Carmichael	(214) 661-4626 w
Treasurer	Raymond T. Reyes	(903) 569-2638
Secretary	John West	(214) 620-8741 h
Membership Dir.	Jim Hoisington	(214) 416-3101h
Advertising Dir. (Acting)	Connie Andrews	(214) 828-0699h
Publicity	Peyton Weaver	(214) 462-0552
Disk of the Month	Jan Parkhill	(214) 828-2216 h
Volunteer Coord.	Claude McClure	(214) 867-0978 h
Bulletin Board	Fred Williams	(214) 492-1315

Members Emeritus

John Pribyl (1924 - 1993)
 Phil Chamberlain Jim Hoisington
 David McGehee Stuart Yarus
 Tom Prickett Connie Andrews
 Kathryn Loanman Reagan Andrews

NTPCUG BBS Telephone Numbers:

..... (214)387-2751
 (214)387-2752
 METRO (214)263-9036

SYSOP: Fred Williams
 Assistant Sysop: Tom Prickett
 Assistant Sysop: Doug Gorrie
 Information Mgt:..... Lewis Graber
 User Relations:..... Adam Peterson

Voice line for validation problems:
 (214)682-0725..... Ask for Adam

TI PRO BULLETIN BOARD..... (214)361-5275
 SYSOP: Tom Blackwell

Address Changes, etc...

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

NTPCUG Membership Director
 P.O. Box 780066
 Dallas, Texas 75378-0066

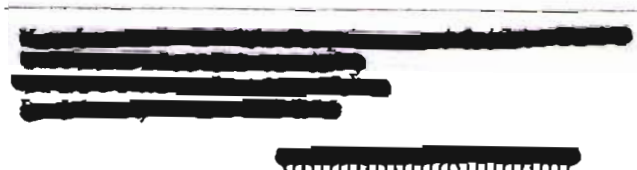


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Dallas, Texas 75378-0066

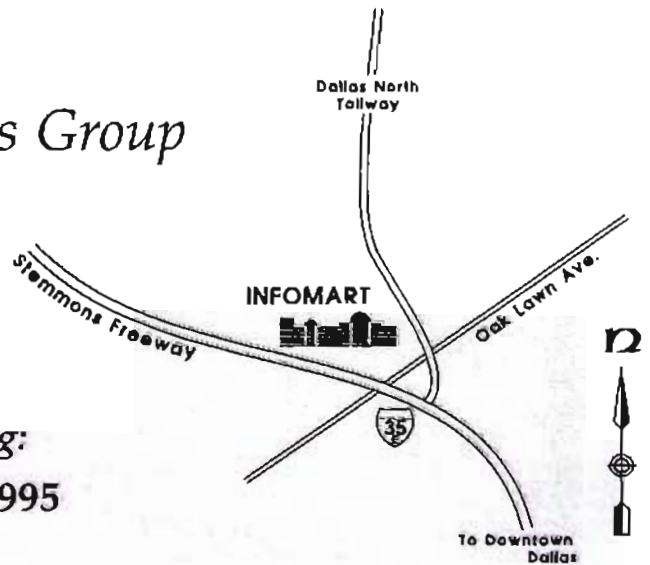
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Address Correction Requested

14.1



North Texas PC Users Group



Next Meeting:
21 January 1995