

NEWS

Vol 3

North Texas IBM Personal Computer Users Group

No. 4

Special Interest Programs

Programmers

The Programmer's Special Interest Group expanded the general interest discussion to fill the entire March meeting, opening with remarks on the first SOFTCON software trade show held at the end of February in New Orleans. A new Fortran compiler from Microsoft was reported (sure enough, the just-arrived April PC Tech Journal advertizes "Ferocious Fortran", including built-in 8087 support).

Call group chairman Neil Bennett at 238-7650 with topics and programs for future meetings.

!PC! (PROFITABLE COMPUTING)
Dick Gall

Business Applications

Sally Dahlstrom of Softsource will demonstrate the Polaroid Palette, a new, low priced color graphics film recorder for the IBM PC (or Apple II or IIe).

Palette can turn your charts and graphs into colorful instant color slides and prints.

Palette includes a flat faced monochrome video screen with a red, blue, and green filter wheel; and exposure unit (camera); a 35 mm autoadvance camera back; Polaroid 3 1/4 x 4 1/4 instant print camera back, cables and software.

Join us for the demo...

Ricky Burke

New Circulation Manager

Bob Russell has taken over the job of maintaining our group's membership database together with preparation of monthly mailing labels for the newsletter. This is a job that normally gets little recognition by the members except when they don't get their newsletter!... I would like to thank Bob for volunteering. Please give him your support.

Vilaa Ungerson, who previously handled this chore along with printing and distribution of the newsletter, did an excellent job. She deserves the thanks of all members for work "above and beyond the call of duty."

Thanks, Vilaa.

A g e n d a

For the April meeting we have scheduled the following presentation:

Steve Fintel, representing Tandy Corporation, will demonstrate Microsoft Windows on the new Tandy 2000 computer. This is their new MS-DOS computer using the new Intel 80186 chip.

Special Interest Group room assignments are shown on pg 5.

Charles

Next Meeting April 14, 1984

Jesuit College Preparatory School
12345 Inwood Road, Dallas, Texas

(See map on page 8)

9:30 to 12:00



North Texas PC NEWS

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| | | |
|------------------------|--------------|---------------|
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| Software Review Editor | (open) | |
| Circulation Manager | Bob Russell | (214)422-4269 |

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Deadlines:

All material for publication in PC NEWS (articles and ads) must be received by the NEWS staff no later than the fourth Friday of the month prior to publication.

Articles:

Column width is 56 characters. Article submission is preferred by modem or SSDD disk (ASCII format). Type-written copy is acceptable.

North Texas IBM Personal Computer Users Group

A non-profit, independent group, not associated with IBM Corporation. The Group meets on the second Saturday of each month. See page 1 for meeting time and place.

Officials:

| | | |
|------------------|-----------------------|---------------|
| President | Chris Morgan (acting) | |
| President Elect | Chris Morgan | (214)739-5895 |
| Program Chairman | Charles Kroboth | (214)739-5895 |
| Treasurer | Bill Hood | (214)739-5895 |
| Secretary | Charles Kroboth | (214)739-5895 |

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| | | |
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| Beginners & BASIC | Mike Durbin | (214)271-8779 |
| Business Applic. | Sharlene Talbott | (214)373-0533 |
| | & Ricky Burke | (214)276-5003 |
| Disk of the Month | Doug Windham | (214)271-5727 |
| Programmers | Neil Bennett | (214)238-7650 |
| Comm & Networking | (open) | |

Telephone (during business hours) (214)361-0304
 Bulletin Board SYSOP: Mark Collard (214)223-0983
 (24 hrs, download & upload, messages, 300/1200)

Dues: Regular Membership - \$24.00 year
 Student membership - \$12.00 year
 Payable in January. Dues are prorated for balance of year when applicant joins after January. Mail dues to: Treasurer, NT IBM PC UG, 10400 N. Central Expwy #210, Dallas, TX 75231

SIG Notes:

Beginners and Communications & Networking Groups are looking for leaders. If you can direct, or co-chair one of these SIG's, contact Chris Morgan for details.

Software Review Editor Needed

We're inaugurating a new position on the staff of PC NEWS this month. It's "Software Review Editor". All unsolicited software received by PC NEWS will be forwarded to the new editor for control and coordination of reviews and comments. Review of the software may be accomplished by volunteer members of the Group, at the discretion of the Software Editor. Results will be published in the newsletter.

The Software Editor will ensure that each piece of software is reviewed and that reports are furnished for publication in the newsletter. The scope of these reviews will vary considerably. Some may be as short as, "It won't run!" or as lengthy as several pages. In any event, each represents a "review" and is to be reported to the membership.

Disposition of the software after publication of the review will be made by the Software Editor as requested in the letter received with the material. This is not public domain software. In absence of other instructions, the Software Editor will retain the software for the remainder of the membership year, then dispose of it as he sees fit (within the confines of copyright statements on the material).

We have a backlog of three disks to review; one from PABSoft Software, Ft Wayne, Indiana, and two from ONCE BEGUN COMPUTATIONS, Searsport, Maine.

If this job appeals to you, see me at the next meeting. If you will not be at the meeting and want to apply, please call me at (817) 275-4109, or drop me a line...

John Pribyl, Editor
 North Texas PC NEWS
 2025 Rockcreek Drive
 Arlington TX 76010

D o I t !

This is a story about four people named Everybody, Somebody, Anybody and Nobody. There was an important job to be done and Everybody was sure that Somebody would do it, but Nobody did it. Everybody got angry at that because Somebody should have done it... After all, Anybody would have done it, but it wasn't his job. It ended up that Everybody blamed Somebody when Nobody did what Anybody could have.


Newsletter Exchange
(continued)

Does this new range of capabilities mean that similar abilities are on the way for the PC? Before we get our hopes too high, don't forget that PCjr.'s BASIC which supplies all these new commands, only comes on a cartridge and is NOT now available on the PC when you buy 2.1 DOS/BASIC.

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John Schnell 

Copy deadline for May PC NEWS is APRIL 28th. Ed.




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FLOPCOPY

FLOPCOPY is a program for the IBM PC that copies copy-protected diskettes. It runs on the PC, the XT, and the COMPAQ, with either DOS 1.1 or 2.0. FLOPCOPY is a local product, written and supported by Muleskinner Engineering in Dallas. It also costs less than other copy programs from places north of the Red River. The price is \$30.00. FLOPCOPY is available now at Wildcat Computing, located at 1830 Ave. K in Plano, (214) 424-3582.

You may also order FLOPCOPY by mail from:



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2000 Roundrock Trail
Plano, Texas 75075
(214) 245-4229

swap  shop

(Four lines free each month to members, otherwise cost is 15 cents per word. Ads will run three consecutive months unless notified earlier to cancel. Ads must be renewed after three months if continuation is desired. Mail ads to the Editor.)

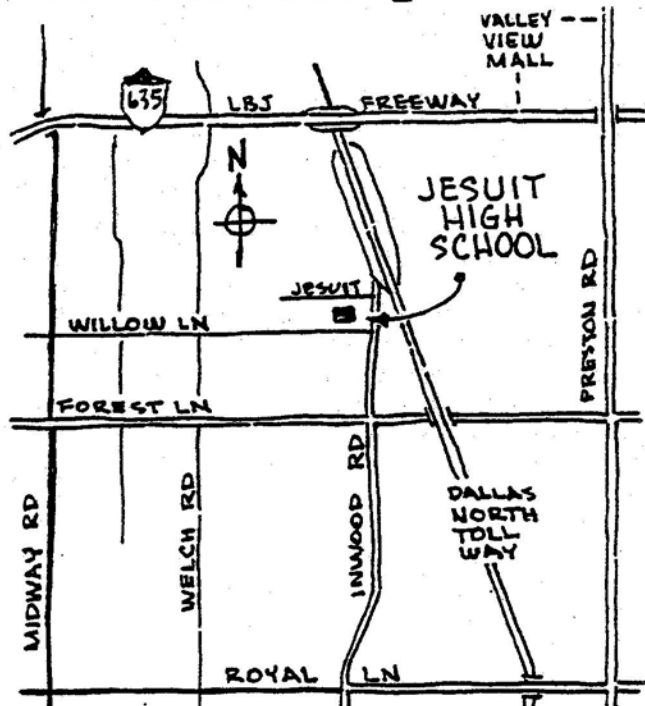
FOR SALE: Great Lakes/Pegasus hard disk drives for the IBM PC and compatibles. 10 MB Internal Drive \$1200, External 10 MB Drive \$1400. Complete with cable and controller card. Standard 90-day warranty. Streaming tape drives and hard disks up to 100 MB available. This is the best bargain on the market in a hard disk drive. See the Great Lakes/Pegasus full page ads in PC and PC Tech Journal for more details. James Hickman 578-8091.

ADD-ONS at club prices. Exclusive for PC club members only. Call us and get on our mailing list. Bring in a new member and you'll get an even bigger discount. RKS PRODUCTS .. PLANO .. 985-9768

Ads and listings in quarterly DALLAS COMPUTES brochure. Next deadline: April 27. New address: Microsystem Consultants Agency, P.O. Box 834246, Richardson, TX 75083.

FOR SALE: TANDON DS/DD drive, new in original carton, \$235. Also, VisiCalc with documentation. 578-8091

Next Meeting:





DISK OF THE MONTH

(continued)

DISK DETAILS

This month's disk also has the latest version of COVER by our own Carrington Dixon. COVER will print a sorted directory on your printer especially designed to be cut out and used as a diskette cover. It also provides for a title to be input at print time, as well as showing free space on the disk. Macro Assembler source code is included.

Price: \$5.00 Available at the meeting, in the cafeteria at a specially marked table, before and after the general meetings. Media: DSDD 5 1/4" diskettes formatted without DOS (320k). Public domain software only, standard full disclaimers. Call disk of the month chairman Doug Windham at 271-5727 evenings before 9pm to submit material and programs for future Disk of the Month issues. All back issues will be available at the meeting.

Doug



EasyWriter I System... Finally!

by Robert Sanchez

How many of my fellow hackers spent the original princely sum of \$175 for EasyWriter 1.1 when you first got your PC. We loved it because it was easy to learn but soon learned to sneer at it because it simply wasn't very powerful.

Later some of us switched to Wordstar and developed an even better love/hate relationship. To be sure, the MicroPro product still ranks right up there with the best, but it is still awful to learn, especially for the novice PCer.

In my search for other word processors I found they often lacked the essential features of spelling checker mailmerge function. I've been looking for all that capability at a reasonable, i.e. cheap, price!

I've recently received an advanced copy of a new word processing system from IUS (Information Unlimited Software) which published the original Easywriter 1.1 marketed by IBM. Following the repackaging of their old product EasyWriter 2.0 products into the EasyWriter II System which retails for \$395, IUS used that same philosophy with the release of the EasyWriter I system. This is a dynamite product retailing for \$250. It also features an 80,000 word dictionary, has a mailmerge function, and can run on a PC, an XT, and even a PC jr!

In testing the EW I product I am extremely happy to find that I can translate the old EasyWriter 1.1 (DOS 1.1) to EW I (DOS 2.1) with only minor changes to the translated copy. That has really saved me a many, many hours of work and re-typing. I am also pleased to see that it responds much faster, especially to cursor-movement commands. It underlines, has superscripts¹, subscripts₂, and its dictionary(lexicon) can be customized to your needs.

In short it does everything I have ever wanted a word processing system to do. The mail-merge function is a little crude and it can't do same-page footnotes(I don't do much learned-paper writing these days anyway). It's capacity of 55,000 characters per file doesn't limit me as it still allows me to produce about 25 double-spaced pages. In all, it is a neat product and at a great price even though IUS isn't offering trade-in for our old 1.1's.

The club price for the EW I System will be greatly reduced and should be available by the time you read this.

Robert



(Robert has recently begun operations as RKS Products, at 3844 Nantucket Drive in Plano. He is offering discounted prices to members of our Group. Ed.)

N e w s l e t t e r E x c h a n g e

On the jr., Graphics is Gold!

/ The following article is a reprint from
the N.Y.P.C. Newsletter, March, 1984 */*

For the past two weeks I have had the opportunity to experiment with and write code for the jr., specifically in the area of graphics. The jr. shapes up to be a first class graphics machine.

Here are some of the special things I found.

New commands: PALETTE
PALETTE USING
PCOPY
SCREENS (3 through 6)
CLEAR,,, (video memory)

The most exciting command is PALETTE. With this command you gain palette color independence in ALL modes. To understand the impact of the PALETTE command we have to look at what the PC currently provides.

The PC gives three normal SCREEN modes: 0 for text, 1 for medium resolution graphics, and 2 for high resolution. Color choices: Sixteen foreground colors and eight background colors when using text mode, four colors in medium resolution graphics and two colors in high resolution mode.

Medium resolution graphics lets you assign any of sixteen colors for background, and two palettes containing standard colors: palette 0 gives colors green, red and yellow; palette 1 gives cyan, magenta and white. They come as sets and no substitutions are allowed. High resolution graphics is only white pixels against black background.

Playing with the PC's mode and color registers will give you new intensity combinations for foreground and background in medium resolution, and in high resolution, you can have any of sixteen colors for foreground against a black background. And that's it, unless you go to the non-IBM boards and programming beyond standard BASIC.

Four new screen options have been added to the jr., 3 thru 6, and here is what they provide:

Screen 3: Low resolution graphics, 160 by 200 pixels, with 16 colors and 20 characters per line for

25 lines. All graphics commands work in this mode, and you use 16K of RAM memory per screen.

Screen 4: Same as screen 1, medium resolution limited to four colors, but PAGING is permitted. This means that you can display one screen while constructing another, handy for games or drawing programs. At 16K per screen, you must set aside double the screen memory using a new parameter in the CLEAR command.

Screen 5: Medium resolution with SIXTEEN colors! This is the capability we have all been waiting for. Now drawings diagrams and graphs can have the richness we've always wanted. To store that much color information means we must devote four bits to defining each pixel; that adds up to double the amount of memory devoted to screen display: 32K and again, this must be CLEARed first.

Screen 6: High resolution (640 by 200) with any four colors for more precise drawings and diagrams, including 80 characters across, just as in screen 2. 32K per screen is also required in this mode.

By past PC convention, each of the sixteen colors has been assigned a number. 0 is black, 1 is blue, etc. The PALETTE command lets you re-assign NEW colors to each of these numbers. Now when working in medium resolution under screen 1, you can use ANY FOUR of the sixteen colors in your graphics, or use ANY TWO colors in screen 2 high resolution. PALETTE lets the colors be changed at any time. This opens up all kinds of opportunities for animation, games and dynamic charts and graphs.

Animation for example might be done in this way: Using the PALETTE command, assign blue to color numbers 0,1,2 and 3. This lets you draw three steps of an animated figure, all blue on blue, across the screen without any of the drawings showing. To animate, you simply cycle through the drawings like this. Assign white to 1 making the first drawing visible, then assign white to 2 making second drawing visible and blue to 1, then white to 3 and blue to 2, then white to 1 again and blue to 3, and so forth. The effect will be a white figure snapping through three positions across the

Newsletter Exchange
(continued)

screen in rapid animation. When combined with several screen pages, this can be quite effective.

This manipulation with the PALETTE command is sometimes known as "COLOR LOOKUP TABLE ANIMATION". The PALETTE USING command lets you re-assign all SIXTEEN colors in one command through the values stored in a sixteen element integer array. That command promises some REAL HOT STUFF!

The other new command which vitalizes the expanded paging capability is PCOPY, which lets you copy from a SOURCE page to a DESTINATION page, a very necessary tool when doing "page animation" or preserving a complex working drawing before trying a tricky paint process.

I would like to mention that the jr. now makes the other 128 extended ASCII characters available under the graphics modes as well. They are stored along with the lower 128 ASCII characters up in the BIOS ROM. (Attention PC GRAPHICS PROGRAMMERS: For those who have been too lazy to define their own versions of the extended sets, you can now just copy them out of jr. ROM onto a disk file, then load them into the PC and set up the alternate character set pointers. This finally makes it possible to get quality screen dumps of those special characters using screens 1 and 2.)

By the way, the mode and color registers, &H3D8 and &H3D9, used on the PC are not recognized for modifying screen output on the jr. You don't need it anyway. While the Motorola 6845 CRT controller device is still used, output is channeled through a new programmable device called the VIDED GATE ARRAY which manages the color table/palette, the mode control and other elements of the display. The expanded video memory capability is achieved by redirecting reads and writes made to the normal PC graphics memory at HB8000 to jr. RAM below 128K. The jr. technical reference manual claims that there is no performance penalty for this redirection. You must also remember that reserved video memory (which builds down from the top of 64K or 128K RAM) reserved by the CLEAR command becomes unavailable for programming. Once again (as the original PC technical reference manual) there is a coy, throw-away statement which makes enigmatic reference to a "highly programmable subsystem with respect to raster and character parameters which makes many additional modes possible with PROPER PROGRAMMING". This may refer to modes for use by games programmers. >



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(continued)

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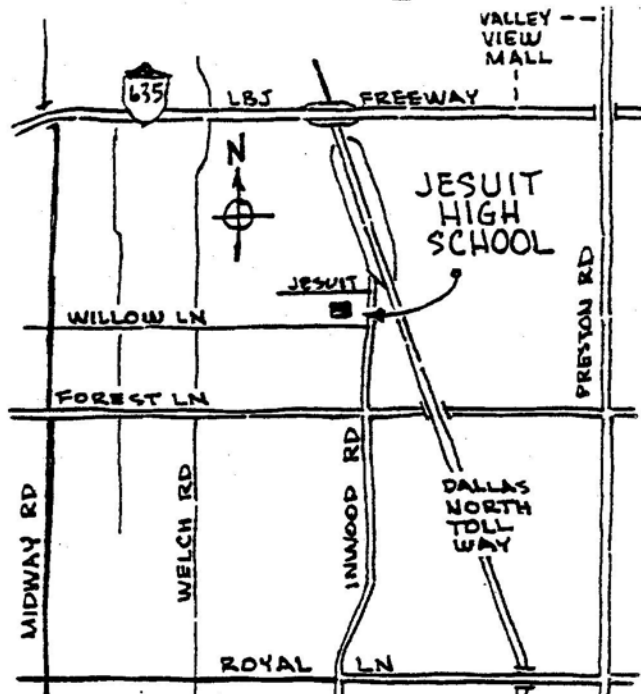
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Next Meeting:



Complimentary Memberships

The Club offers complimentary memberships to members who submit original articles for publication in PC NEWS.

GROUND RULES

Subject Matter. Articles may cover any aspect of the IBM Personal Computer (or work-alike) world. Main criteria is that they be of interest to members of our group. Some typical subjects include: Hands-on review or personal experience with new software, hardware or techniques... Peripheral interconnection problems and solutions... How-to articles on furniture, diskette storage, printer paper control... A standard "tree" structure for the average hard disk user... etc, etc

Number and Length of Articles Required. Four or more articles during one membership year. Each article must be a minimum of 400 words.

Format. Standard one-column width is 56 characters; two column max is 120 characters. Copy in ASCII format on disk or transmitted by modem whenever possible. (Sorry, no double sided disks at this time - we're still operating single sided...) DOS 1.0 or 2.0.

Notify Treasurer. In January, eligible members provide a listing of their published articles to the treasurer in lieu of cash for next year's dues.



M e m b e r s h i p L i s t

(M) = Metro * = Preferred Phone

If your phone number has changed, contact Bob Russell, Circulation Manager. If you have paid your dues for 1984 and your name does not appear on this list, see Bill Hood, Treasurer. Ed.

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| | Thomas A. Gear | Dallas | H 214-341-6887 | W 214-644-6470 |
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| | Douglas G. Goetsch | Arlington | H (214) 641-7825 | W (817) 467-1022 |
| | Dennis Goode | Plano | H 214-596-0594 | W |
| | Lacy Goostree | Dallas | H 214-358-2621 | W 214-484-1054 |
| | Carl H. Gottwald | Dallas | H 214-691-5907 | W 214-361-6945 * |
| | Kenneth M. Gourley | Rowlett | H (214) 475-2417 | W (214) 271-0016 |
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| | Donald B. Hauk | Dallas | H 350-4374 | W |
| | Felix S. Hawkins | Irving | H 721-0621 | W 579-1177 |
| | Everett P. Haydon, Jr | Dallas | H 369-4564* | W 368-8249 |
| | Ron Hayes | Dallas | H | W (214) 696-4931 |
| | Gregory W. Heather | Arlington | H 817-265-6410 | W 214-266-5184 |
| | James R. Hickman | Plano | H 214-578-8091 | W |
| | James H. Hill | Van Alstyne | H (214) 482-6428 | W |
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| | Jim Hoisington | Carrollton | H 214-245-0973 | W 214-658-4587 |
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| | William A. Hood III | Dallas | H 214-350-9784 | W |
| | Douglas O. Hughes | Dallas | H 817-571-5911 | W 214-689-4300x217* |
| | Jane G. Hughson | Grand Prairie | H 262-0457 | W 659-5232 |
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| K | Robert L. Keeling | Duncanville | H | W 214-631-4120 x288 |
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| | Christopher King | Richardson | H 214-234-2153 | W |
| | Deanna T. Kirchoff | Carrollton | H 214-492-9127 | W 214-340-7081 |
| | Charles F. Kroboth | Richardson | H 214-283-7105 | W 214-699-8088 * |
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| | Bruce C. Lutz | Richardson | H 214-231-4687 | W 214-996-5770 |
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| Ellis M. Titche | Dallas | H (214) 368-5273 | W |
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