kµgram

NOV.–DEC. 1985 VOL. 3 NO. 6

Official Newsletter of the KAYPRO USERS' GROUP

YOU ARE CORDIALLY INVITED

Mr. and Mrs. Digital
and
Mr. and Mrs. MicroSoft

request the honor of
your presence at the
marriage of their children

CP/M
to
MS-DOS

r.s.v.p.

Why not? These two have been going steady for quite some time now.

First it was the co-power board that allowed KUGGERs to get a start in the MS-DOS world. However, it only ran some of the DOS software. But it was a step in the right direction. Before long the co-power board was running LOTUS on a KAYPRO! That was PROGRESS.

Many Kaypro users also used DOS machines at work but had to use telephones and modems to transfer their work (mostly word processing or ASCII files). That problem was solved with the coming of the Multi-format program. This program allowed CP/M users and MS-DOS users to format their disks so that they were interchangeable. This method was faster and a lot less expensive.

Now there is a hard disk system that allows you to use both CP/M and MS-DOS on the SAME DRIVE! It was just introduced by WestWind (see advertisement inside), and it opens a whole new area of quasi-compatibility.

We receive letters from KUGGERs who are using CP/M Kaypros and have recently purchased the Kaypro 2000, the MS-DOS portable. The movement of data and files does not seem to be a problem. They use the portable on the road or at home and then transfer files to the CP/M machine via a null modem cable.

Although we, at KUG, enjoy the new software available for the DOS computers, DOS does not stack up to CP/M's speed of operation. Now, we are happy to see that more and more software programmers and publishers are offering their DOS programs in CP/M as well.

Since we do use both in our reviews and our public domain library (see inside), the new methods of moving files in CP/M and MS-DOS become an important part of KUG life. Technology moves quickly.

Perhaps WestWind will come up with a method that will allow us to use both operating systems and have them talk to each other.

Imagine networking between 8 bit (CP/M) and 16 bit (MS-DOS) machines and then using one printer for output.

Wouldn't it be nice to have a simple modification that would allow the Kaypro to have a front panel switch which would read "CP/M --- MS-DOS --- UNIX"?

Perhaps, if the marriage takes place, the offspring may have the answer. Until then .....

Keep those files moving.

A> DIR KUGRAM

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Legend: G = general interest
TC = telecommunications
R = review

* = MS-DOS

RENEWAL OFFER

KUG is now offering a FREE disk from our library for any two-year membership or renewal. You do not have to wait until it is time to renew. Send your check for $30.00 (Canada and Mexico, $40.00 U.S.; other countries, $50.00 U.S.) and we will extend your membership another two years. Be sure to give us the name and number of the KUG library disk you want.

IF YOU DO NOT SELECT A DISK, WE WILL SEND YOU ONE OF OUR CHOICE!

Please put your KUG ID# on your check and mail to KUG Renewal Offer, Box 100, Malverne, NY 11565.

IT WOULD HELP US
IF YOU MENTION KUGRAM®
WHEN WRITING TO
VENDORS OR ADVERTISERS.

Box 100

Dear KUG,

Since I seem to be one of very few people running Supercalc 2 on Kaypro, I would be glad to help any others who may be interested in using what I think is the easiest to learn and most powerful spreadsheet.

I also run Supercalc 2 in CP/M86 on the SWI Co-Power Board with 256K. This permits 209K of usable capacity versus 29K on a standard 64K machine.

I would be interested in hearing from other Co-Power users. I have yet to be able to run any MS-DOS program or demo. I am able to get directories and read or print .HLP files or .DOC files, but all the programs seem to try to load and then stop.

The newsletter is great! Every issue has several worthwhile additions to our "knowledge base." Thanks.

Jerry Jacobson
The Mazer Corporation
2501 Neff Road
Dayton, OH 45414

* * *

Dear KUG,

ATTN: Perfect Writers

Suppose you want to double-space in verbatim mode. Just before saving your text replace all your CR's (carriage returns) with double CR's. That is:

ESC...R <CR> ESC with <CR> <CR> ESC

To go back to single space, do the opposite:

ESC...R <CR> <CR> ESC with <CR> ESC

Franklin Mendels
5026 Eliot's Oak Road
Columbia, MD 21044

Dear KUG,

Just a note to reinforce what others are writing about: As a "dedicated" CP/M user (Kaypro 2X), I ask that you PLEASE keep up the information in KUGRAM on CP/M. It is invaluable, and given the industry move towards MS-DOS, I want to be sure I am involved as a subscriber with an organization that respects and continues to support good old CP/M!! Thanks.

Don Messerschmidt
SW 935 Mies
Pullman, WA 99163

* * *

Dear KUG,

It is time to renew my membership in KUG, so enclosed is my check for $15.00. I have enjoyed my subscription, especially the WordStar column by Chiang. I now use a COMPAQ Plus in conjuction with my job, so the "MS-DOS Stuff" column has been very helpful. Please keep the articles coming for both the novice and the technical user, as I have found all of them educational. Also, there are many of us using Perfect Software, so articles about ways to get more from the various programs will be helpful. Keep up the good work.

William F. Scheumann
1951 Newcomer Lane
Beech Grove, IN 46107

* * *

Dear KUG,

An even easier "fix" than Ernest Hutton's for screen glare is to get some black Velcro and use just the hooked piece. Measure the length from the top lefthand corner around the outside of the bezel to the bottom right hand corner. Cut a piece of Velcro that length, then slit it down the center lengthwise. Using tacky glue, glue it onto the outside edge of the bezel. Leave overnight. Your "kinky computer" can then have the stocking removed or replaced as desired. Very effective and easier than making a frame--at least for me it was.

Joy Sanderson
25 Washington Drive
North Lindenhurst, NY 11757

Dear KUG,

Readers who haven't taken a look at the CP/M Stuff columns for July-Aug. and Sept.-Oct. are missing some excellent advice on how to set up menu-driven programs with only the CP/M utilities PIP and SUBMIT. These procedures will also work to set up directions and instructions for your programs, and provide easy entry as well. Having accumulated quite a few programs and disks for my Kaypro II computer in the last couple of years, I consider it important to be able to run a program without consulting the manual again, or trying to figure out files by looking at a directory.

Instead of setting up a MENU file, I set up an INSTRUCT file which contains directions as to the nature of the program and how to go about booting it up. I've found that it is easier to use the non-document mode of WordStar, rather than PIP, to enter information into this file. You can experiment with multiple carriage returns at the top of the file to clear the screen of everything but your directions. This gives your directions a professional appearance on the screen.

Then to get your directions to boot up automatically, copy your files to a fresh disk. At the end of the copy procedure, the computer asks for an initial command line (file name) to bypass the A> prompt. Here, just enter SUBMIT INSTRUCT, or S I if you have RENamed your files with just one letter for simplicity.

Now all you have to do is pop your disk into the computer after you have first turned it on, or push the RESET button to watch it all happen without having to make a single key-stroke.

Michael R. Gilhousen
3652 Violet Lane
Huntsville, TX 77340

[Editor's note: Our thanks to Michael Gilhousen for his comments. We think he has a crystal ball for anticipating our current CP/M Stuff column. See page 18 of this issue for more on SUBMIT. We welcome other KUGGERs' letters telling us how they use this versatile program.]

Dear KUG,

I would like to voluntarily and highly endorse a book on the use of MS-DOS entitled appropriately, RUNNING MS-DOS, by Van Wolverton (Microsoft Press, 1984). As an owner of a Kaypro 16, I share the dissatisfaction that many co-owners must also face with some of the documentation that comes with the machine.

Although the bundled documentation on MS-DOS 2.11 is an excellent reference tool for that forgotten command or parameter -- once the user has mastered the system, it is poor on teaching application; granted that was not its intention. On the other hand, RUNNING MS-DOS is excellent on both counts. It teaches the use of DOS commands through clear, non-intelligence insulting explanations of what the command does (as well as what it doesn't), in addition to valuable applications that the user is likely to have a need for during the course of a session in front of the machine.

Thanks go to Al Gerson for recommending the book to me. As he promised, it is one of the best books currently in print on this operating system...a must for all users using MS-DOS environments.

Russell B. Kopp
449 Third Street
Elmont, NY 11003

* * *

Dear KUG,

We tried two different 10Mb external disk drives from Systems Peripherals Consultants in San Diego. Both failed within two days, ate our data, and were returned. If any KUG members are considering these and would like a detailed run-down of the many problems we had, call me at 808/935-2470, 9:00-5:30 Monday - Saturday. The worst of it was that, after loading a complete inventory program (154 pages of data) and ledger, etc., the backup disks would only print hard copies--wouldn't reload back into my K-4 or the new K-10. Took 8 days of re-entering manually into the 10.

Herb Dawrs
Kanoa Motorcycles
797 Kanoelehula
Hilo, HI 96720

Dear KUG,

I edit a newsletter similar to the KUGRAM. Tired of the sluggish performance of Perfect Writer and The Word Plus, I installed a 5 MHz speed-up kit from Highlands Microkit. While this helped, it was not enough. I decided to buy a 1 Mb RAM disk from Advent. While the product is excellent, the instructions were not. Several capacitors had to be moved to the bottom of the Kaypro II main board, and the RAM disk board could not be installed as described in the instructions.

After the installation I powered up the computer and found that the improvement in performance was nothing short of incredible. Perfect Writer now loads in a fraction of a second, and disk swapping is virtually instantaneous, even with swap files greater than 64K. The Word Plus is so fast it's hard to believe I'm working the same program. In addition, the RAM disk is completely silent!

To use the RAM disk I PIP over all of my software from floppies to the RAM disk, and use the two floppy drives as the auxiliary drives after logging on to the RAM disk. Since everything in the RAM disk would be lost if the computer is turned off, I wired in an extra switch to turn off the floppy drives and the CRT when the computer is not in use, but still leave the rest of the circuitry powered.

These simple changes have made my old Kaypro II '83 virtually a new computer--seemingly faster than the mini-computer I use at work. For $700, I consider it a bargain, especially considering the amount of time saved per issue of "The Cave Cricket Gazette" edited on this old workhorse.

One last thing... From the results of your survey, few Kaypro users are using the Plu*Perfect enhancements. To all of you who have not done so, their Plu*Perfect Writer program could be the most useful $40 you've ever spent. (Their software is also compatible with my RAM disk.)

Doug Stecko
149-A Delrose Apts.
London, KY 40741

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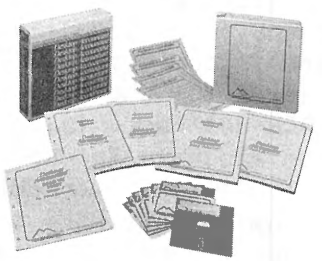

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New W/P Users' Group

A new users' group has been organized by the staff of KUG and KUGRAM.

The Word/Processing Users' Group (W/PUG) offers the computer user another area of communication through the bi-monhly newsletter, SCROLL.

SCROLL will contain:

Articles of interest to all users of word processing ... Articles of interest to writers, written by writers ... Articles on business writing, written by people in business ... Articles on educational writing, written by educators ... A secretary's column written by a professional secretary.

All areas of word/processing will be covered, including reviews of the latest W/P software enhancements, hardware and peripherals.

A public domain library of material used for word processing ... and available in more than 100 different disk formats ... will also be offered.

The format and operation of W/PUG will be similar to that of KUG. W/PUG will have a mail interchange column named BOX 144 and will help establish local W/P user groups around the world.

W/PUG also plans to operate a national W/PUG Bulletin Board and will offer a complete telecommunications package to all members. A column of Best of W/PUG BB will become part of the newsletter.

If you use your Kaypro for word processing, you should become a member of W/PUG. Send your name, address, phone number, the model of your computer and printer, the name of the word processer you are using along with $15.00 to:

W/PUG

P.O. BOX 144

MALVERNE, NY 11565

If you are a member of KUG, you can save 20% by writing your KUG ID# on a check for only $12.00 sent to the above address.

Perfect Filer Database

You can have two database files on one disk if they are in different user areas, but keep in mind that each separate DATABASE needs its own MEMBER.H file.

Thus, you can keep on one disk separate lists of private and business addresses which could share the same list formats. The list formats could be PIP'd over from one user area to another, but never attempt to PIP database files from one user area to another! You may change the user areas of DATABASE and MEMBER.H back and forth (using MAKE.COM) or else make them accessible from different areas using public domain (such as DUPUSR.COM).

If one of your database files is in user area 1 of drive B, then the following files must be accessible in user area 1 of drive A, together with the COM files (FILER, MOVE, and CREATE): SETUP; MAIL; LIST; DEFSS; DEFPFORM; DEFLFORM; ACCIND; TERMINAL.DEF; and TEMPLATE.SAV.

PERFECT FILER SUBSET

Did you know that the subset commands "Greater than," "Less than," etc. recognize alphabetic characters as well as numbers? "Less than C*" means "word starting with A or B." (The manual does not specify this.)

PERFECT FILER LIST FORMAT

When preparing a list, the last line of the list can get lost. Precaution: include a "carriage return" string after the last logical field, or set the "page size" in the "page format" menu.

Sometimes the bottom margin seems to be ignored and the printing continues down past that desired margin. The cause must be that each "member" occupies a number of lines greater than the margin. So, if the bottom margin is 10 lines and the member is formatted to occupy 11 lines, this could (sometimes) cause a problem. To avoid it, set the number of lines in the bottom margin at least equal to the number of lines occupied by the member.

Franklin Mendels
5026 Eliot's Oak Road
Columbia, MD 21044

ANNOUNCEMENT

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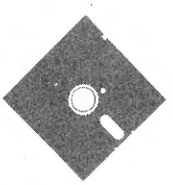

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Get Organized

Most of us have accumulated a great many public domain files and put them on any disk that had the capacity to hold them. However, finding a particular file when we need it is another matter. To eliminate this confusion, I took the time to give my files some semblance of organization in order to minimize the time to find a file.

The first step is to tranfer each file to a disk which contains a particular category. If there is not enough room on one disk for all the files in the category, then set up a second disk and a third and a fourth if necessary.

Step number two consists of making a master file of all of your disks by using the "YANC" program which is available from the public domain (#159 from KUG Library). I have set up the categories by numbering each disk with a minus (-) and a 3 digit number. This number will appear as the first file on each disk directory. The Yanc file will enable you to number each disk. I have arranged the categories for my files as follows:

	From	To
CALC AND FINANCES	050	090
UTILITIES	100	150
MODEM	160	170
WORDSTAR	180	200
CUSTOM FONTS	210	220
WRITER-SPELLER	230	240
FILER	250	270
GAMES	300	320
SPECIAL PROGRAMS	350	400

After entering all disks into the Yanc master file, make a printout of the master directory, eliminating repetitive files that may appear on every disk (PIP, D, COPY, etc.). This master file will enable you to locate each file at a glance.

But there is more.....each disk should then have a directory printout taped on its sleeve.

This system has made my life much more pleasant.

Leonard Resnick
4005 Nenana Drive
Houston, TX 77025

HBACK and H*SOFT Review

by Arlene Smith

Well, it finally happened. All 10 megs filled up. Operation was so s-l-o-w. Files were fragmented. A MASSIVE cleanup and reorganization was imperative.

Of course, we had insufficient backups of the Kaypro 10 hard disk. After all, who has the time to spend backing up 10 megs of junk ... er, stuff... er, important files. An efficient backup system was vital. We tried HBACK.

HBACK uses the third of the defined CP/M status flags, ARC. (The first two are SYS and R/O). When you do a full backup with HBACK, set this flag to "A." The next time you access the file, HBACK will unset the flag. When you do a daily (or incremental) backup, specify only those files that do not have the ARC flag set. Simple and fast.

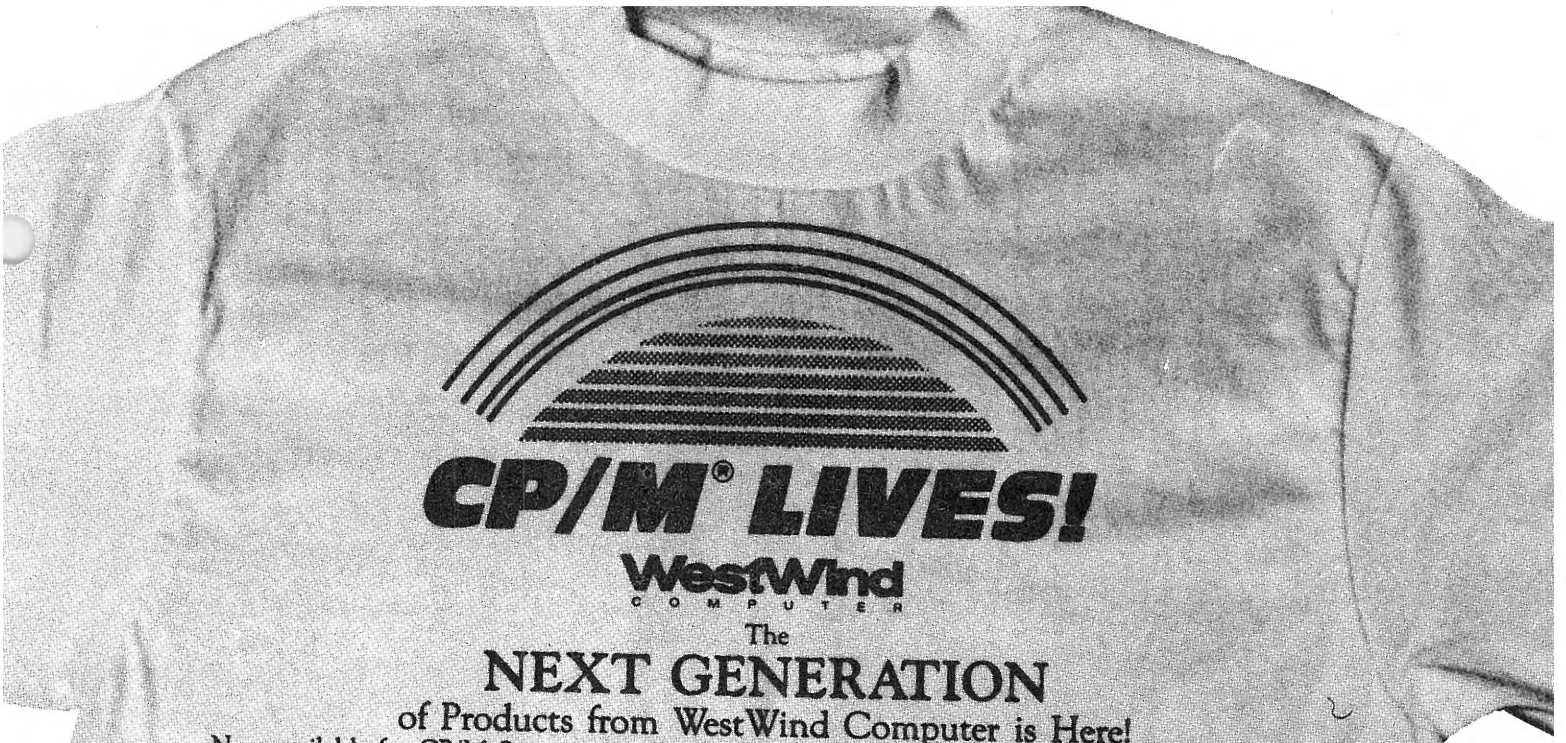
However, the flag routine can't identify changes in randomly accessed files, such as dBASE .DBF or .NDX files. You have to tell HBACK to change these flags. It's not a big deal, however.

HBACK computes how many disks a backup requires, and tells you before the procedure begins. No more starting a backup and running out of disks when there are only two more files to go.

We also added a ROM enhancement, H*SOFT. H*SOFT requires the replacement of one of the Kaypro's chips and the reformatting of the directory tracks. In return, you get an additional 1MB of storage. So, I now have a 10 MB hard disk with an 11 MB capacity. Not bad. It even seems to work faster.

Another H*SOFT feature is the directory program, C.COM. It shows the file name and size, and the status of the SYS, R/O and ARC flags. Type C <DRIVE>: <USR> to see the directory of a particular user area, or C <DRIVE>: . (period) to see all files in all user areas.

HBACK and H*SOFT, by Hulland Software, are available from Invent Software, 199 Willis Ave., Mineola, NY 11501. Prices: HBACK alone, $49.95. H*SOFT alone, $75.00. Both, $100.00.



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Port to Port

by Katherine Loukides

Files can be moved easily between a NEC PC-8201A lap computer and a Kaypro. Though the NEC comes with four manuals, documentation on transferring files is scanty.

Here is the procedure for transferring a file from the NEC to the Kaypro after STATing the NEC at 3I71XS:

1) Attach the RS-232C cable to appropriate ports on both machines and turn them on.

2) Place the MODEM disk in Drive A and a formatted disk in Drive B.

3) At the NEC main menu, move the cursor to the file to be transferred. Do NOT press <CR>.

4) At A> type MODEM <CR> (or whatever your telecommunications program is called).

5) Type T B:<FILENAME.EXT> <CR>. (Filename need not be the same as on the NEC.)

6) Wait a few seconds until the Kaypro falls silent. Enter Ctrl-Y.

7) When the Kaypro screen reads "Memory buffer open" and you see a colon, press "Save" (function key f-2) on the NEC. Answer "Save <filename> as:" with COM: <CR>. Answer "Ready?" with Y. Watch the file print out on the Kaypro screen.

8) When the screen clears, enter Ctrl-E.

9) Type WRT after the three beeps. This writes your file to the disk.

10) Type CPM at the next command request to get back to the CP/M prompt.

11) Check dir at A>. The file should be listed.

12) At A> type TYPE B:<FILENAME.EXT> to verify that the file is on Drive B.

13) Replace the MODEM disk with a word processing program, warm boot, and format the file.

To transfer a .DO (document) file from a Kaypro disk to the NEC, you will need PIP.COM on the disk. The NEC will give the extension .DO to any transferred file.

1) Attach the RS-232C cable to both machines and turn them on.

2) Place your file disk in Drive A and warm boot.

3) On the NEC, place the cursor over TELCOM. Hit <CR>.

4) Press function key f-5 (Term).

5) Press function key f-3 (Echo). That word will disappear from the screen.

6) Press function key f-5 again. (Now it reads "Down.")

7) Answer "File to download?" with a filename (no extension; the NEC will automatically give it the extension .DO). It does not have to be the same name as on the disk. This is the name the NEC will list on its main menu with the extension .DO.

8) The cursor will move to the next line and the word "Down" will appear in inverse video. The NEC is now ready to receive.

9) At A> type PIP TTY:=<FILENAME.EXT>. Don't forget the colon after TTY. Use the full name of the file as it appears on the disk, including the extension, if any.

10) Hit <CR>. The file will echo on the NEC screen.

11) When the complete file has been downloaded and the Kaypro screen shows A>, press "Down" (f-5) again.

12) Then press f-10 (Bye).

13) To get back to the main menu, press f-10 a second time.

14) At the main menu you will see your file listed. Move the cursor to the filename and hit <CR>. Your file will appear.

You can now write "on the run."

PW Underline Solutions

Academic PW users with dot matrix printers are frustrated by the inability of Perfect Formatter's footnote and underline commands to utilize the true (half-line) superscripting and continuous underlining capabilities of their printers. Here are solutions to each problem.

Write files with footnotes embedded in the text for ease of composition. Set the style parameter for bottom-of-page notes, and don't worry about "note wrap" errors when printing rough drafts. For the final draft, set the style parameter for endnotes, and utilize the quick and easy Backgrounder macro described in Plu*Perfect Writer's Backgrounder manual (first edition) to move the notes sequentially into a separate buffer. Work one file at a time until all the notes for your chapter or paper are assembled in a single buffer, then write the buffer to disk as a note file.

Then, define another even simpler Backgrounder macro to replace the @note[word word word] strings in every file with the following string: @I"@ref'note'"@set"note=+1". At the beginning of the first file for the chapter put @set[note=1]. Repeat these steps for the note file if you wish to produce superscripted numbers in the notes (see KUGRAM 3/4, p. 4). Finally, set the page counters appropriately for this and other chapters.

One must then use PFCONFIG to define PW's italics command (question 23) as the printer's superscript on/off toggle.

PW users will note that this method preserves Perfect Formatter's ability to automatically renumber footnotes if changes are subsequently made in the draft, as in the split screen method described in KUGRAM 1/3, p. 10 and 2/5, p. 15. Users inexplicably without the Backgrounder should use this split screen method while composing but substitute the note string described above for PW's note or superscript commands.

PFCONFIG can be used to define the boldface string in every device type (question 21) as the printer's continuous underline on/off toggle.

The resulting continuous underlines, however, bleed across blank spaces and margins to the next non-space character. One must therefore define a keyboard character as a non-printing ASCII character, and place this character in the text after every underlining.

I used the "%" character because other less used characters were defined for the Okidata French character set. Enter PFCONFIG and select option 5, "Edit character translation tables." Select Table 0, and confirm that every character translates into itself. Then change the character of your choice to an ASCII control character that is meaningless to your printer.

Return to the main menu and select option 4, "Edit character width tables." Select Table 0, and define the width of "%" as 0 micas. Make sure the values of all other characters are 254 micas, including number 127 (the non-printing delete character) if you wish Perfect Formatter to double space between sentences (see KUGRAM 2/3, p. 10, but note that a value of 254 micas gives two blank spaces between sentences). The zero width of the non-printing character will prevent it messing up right justification and centering.

Then answer "Yes" (and "Table 0") to questions 7 and 17 in the definition menu of every desired printer device.

PW's sectioning commands ("@unnumbered" etc.) can no longer be used because they will underline instead of boldfacing. To retain the boldface command one can alternatively use the character translation table to define another seldom used character as the "Escape" toggle.

Futhermore, since each separately underlined word must be surrounded by formatting commands, one might do better to mark underlining initially with PW's regular underline command, and then skim through the text at final draft time with 3 or 4 keys defined with Backgrounder to enter the @B[]% commands.

Stephen J. Cross
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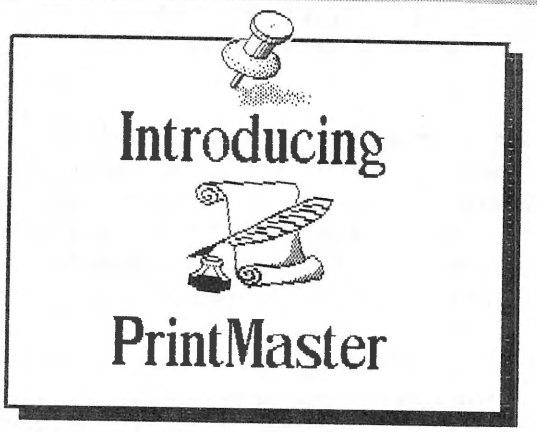

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Kaypro Upgrading

by: Blake Van Meter
People Talk Associates

Imagine a Kaypro with floppy drives that run like a hard disk, or with a hard drive which rivals the speed of ram-disks. This Kaypro is not an electronic Volkswagen but a turbo-computer of incredible speed and versatility.

Imagine your original, Kaypro supplied hard disk providing almost 12 megabytes of storage and allowing you to divide it into seven different logical drives. The screen is faster and will turn itself off to save the CRT; you can dump screen contents from any program. Available memory is increased.

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The TurboROM is the joint effort of Advent Products and Plu*Perfect Systems, two companies well known for their top quality products and support.

The TurboROM transforms the Kaypro by correcting its biggest problem, disk speed (comparable to funneling Niagara Falls through a sewer pipe), with the implementation of a vastly more efficient disk format. The results:

-- The floppy disk reads 5 times and writes 4 times faster with 256 directory entries available.

-- The original Kaypro hard disk runs 3 to 4 times faster and can be reformatted to provide almost 12 megabytes storage (almost 3 megabytes are currently lost to Kaypro's primitive formatting, Read/Write head landing areas, and error/bad sector handling).

During the format process the physical drive can be divided into seven logical drives of up to 8 megabytes each and directory space and data block size can be specified.

Actual speed increases from the above enhancements are demonstrated by a timed comparison of saving the entire 64K of RAM contents to a standard Kaypro 4 disk: 55 seconds (Kaypro) to 14 (TurboROM)!

The above measurement involves writing to disk only. Perhaps a more meaningful test is a timed comparison of reading and writing to disk. Loading four Perfect Writer files totaling 64K takes 68 seconds on a standard Kaypro and only 54 seconds on the TurboROM machine. Loading files into PW involves reading portions of a file from disk and writing it to the swap file, then repeating the process until all data has been read.

According to our tests the TurboROM can increase performance from between 25% and 400%. Obviously, the individual time saved varies greatly, depending entirely upon the nature of the task.

Speed enhancement is the most valuable benefit from TurboROM installation, but there are many others:

1. Extra drives are supported (up to 112 megabytes with an external cabinet).
2. Programs to run extra drives and ram-disks are contained in ROM.
3. Kaypro 10 TPA (available memory) is increased to 63K.
4. Screen dump is available at any time; automatic timed CRT shutoff.
5. Optional multi-format program ($49); runs extremely fast.
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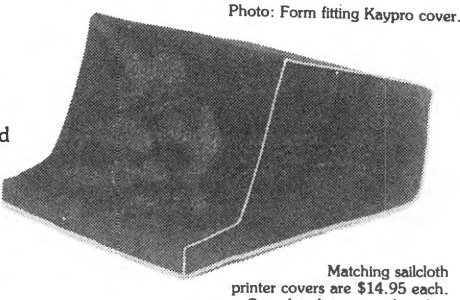

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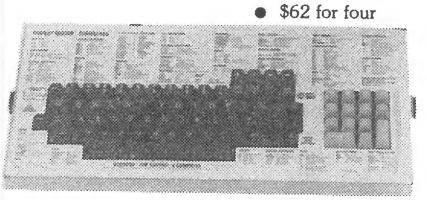

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Panamax
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D: Connects direct to grounded wall jack.
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S: Includes illuminated on/off switch.
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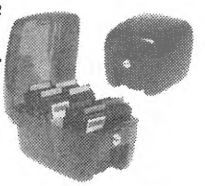

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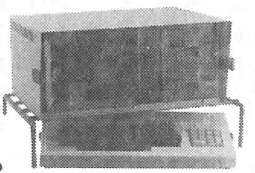

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Menu Manager

A psychologist by profession, I have accumulated almost 3.0 megabytes of special applications programs for my testing practice. Since I had to add my own list of programs to the hard disk, the problem became how to manage and access all these programs with a minimum of fuss and bother. The solution was the Menu Manager from P&B Computer Services, Inc.

The Menu Manager allows you to design and generate your own master menu to access any program that will run on your computer. If you have a program such as ELIZA.COM on user 11, you don't have type USER 11 <CR>, and then key in ELIZA <CR>. You can add this selection to your own master menu and enter the program simply by selecting ELIZA on the master menu with the arrow keys.

Menu Manager is easy to use, as its operation is entirely menu-driven. You put in your own program titles and narrative explanations for both the master and sub-menu selections. After choosing the appropriate user area for program location, you may use up to six command lines which provide the operating instructions for the computer. I have found these six lines to be more than adequate, even for sequential access to two different programs.

Menu Manager allows 10 main menu lines or selections, each of which can contain up to 10 sub-menu selections for a total of 100 possible menu items. Once you have designed your menu the way you want it, you can always change it again with ease. You can even swap lines on both the main and sub-menu selections to rearrange your menu items. The program also has a provision for printing all the menu lines and descriptions.

More information about Menu Manager may be obtained from P&B Computer Services, Inc., 13701 N.E. Bel-Red Road, Bellevue, WA 98005. Menu Manager sells for $89.95 + $3.00 for shipping and handling. Kaypro 10 and Kaypro 16 versions are available.

Michael R. Gilhousen
3652 Violet Lane
Huntsville, TX 77340

In the previous two issues of KUGRAM we discussed the use of PIP and SUBMIT in developing a menu driven program. In this column we will set up the computer to go right to the menu as soon as you turn on the computer or when you cold boot (reset.)

Ready? Place the disk you created with the menu and SUBMIT.COM (or P.COM if you renamed the file) in drive B and your working copy of CP/M in drive A.

At the A> prompt type COPY. Select O for Other. When the new screen appears select S for Sysgen. (It doesn't matter if your disk is already sysgened.) Now type <RETURN>. At the ==> type SUBMIT AUTO.

At this time there is no file named AUTO.SUB but there is a file that you created named 4.SUB. That was the submit file that displayed the menu.

So ... RENname 4.SUB = AUTO.SUB.

Now transfer your modified disk from drive B to drive A. Reset the machine using the button in the back of the Kaypro (cold boot). How about that?

Why didn't we just use SUBMIT 4 instead of SUBMIT AUTO? Well, we could have. However, using the AUTO allows us to set up as many SUB files as we like on the same disk. Then RENaming one of them to AUTO.SUB will cause that file to be activated AUTOmatically upon boot up.

Another thing you should do when creating SUB files is to be sure that the last line of the file reads TYPE MENU. In that way, when you finish your program and return to the system, the SUBMIT file will take over and the menu will be displayed again.

If you move to another USER area, make sure that you come back to USER 0 so that the menu can be displayed.

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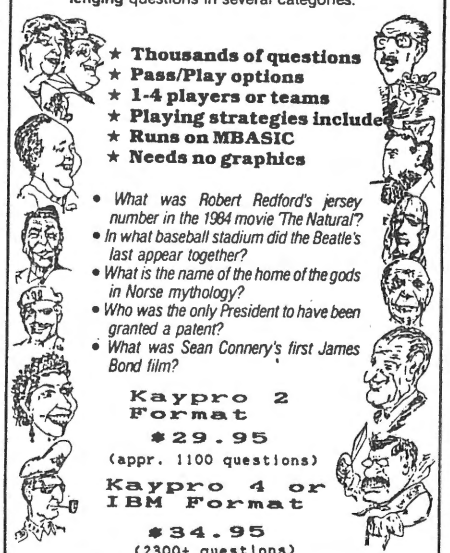

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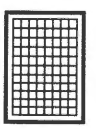

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Starwares

To complete our mission to FORMGEN, we'll set some data entry standards and build them into the form, add a new field at the end of the record that will always contain data (necessary to use the file with MailMerge), and arrange for that data to be generated by DATASTAR.

NOTES: <CR> = press the RETURN key.
<key name> = Press the indicated key.
underlined text = text entered by you.

Preparation: Boot your system and insert disks in the proper drives.

Startup: FORMGEN <drive>:NAMES<CR>

Task 1: Set data entry standards for the last name field and build them into the form. The standards are: 1) Every record requires the entry of a last name; 2) Every last name must be at least two characters long; 3) All characters in the Last Name field must be CAPITAL letters; if entered in lower case, have the program convert them.

Using cursor control keys move cursor onto an asterisk in the Last Name field.

<CTRL-R> Most of your form will be replaced by a row of underscores and the words "Field Name." This is the first of a series of choices. All choices can be accepted as presented, or changed as you require.

LNAME<CR> (Optional, but useful when we use ReportStar).

<CR> to accept the default (preset) values until the prompt reads "Required? (Y/N)"; default should say "N."

Y To require operator entry to this field.

<CR> until the prompt reads: "Edit mask? (Y/N)"; default "N."

Y to tell FORMGEN how we want our data to look. You will now see the "Entry Control" screen, its list of choices, and a place to indicate your choice.

11<CR> to require the entry of at least two characters. The new screen gives you the "Entry Control" choices.

C in every space of the field, to tell DataStar to convert any lower case letter to upper. The last prompt is "Record edit character? (Y/N)"; default "N."

<CR> Don't record edit character.

Task 2: Add a field for an ID Number at the end of the record. Have DataStar generate the actual numbers.

<cursor control keys> until LIN=7.

ID. NUMBER:

<space> until COL=12

<CTRL-Q> 4 times.

<CTRL-S> once (to move the cursor back into the field).

<CTRL-R> (Begin the field-defining process). The prompt is "Field Name."

IDNO<CR>

<CR> until prompt reads "Field Derived? (Y/N)"; default "N."

Y to change the default.

<CR> until prompt is "Calculate/File? (C/F)"; default "F."

C Change the default to "Calculate."

<CR> until prompt reads: "Enter algebraic expression for field:

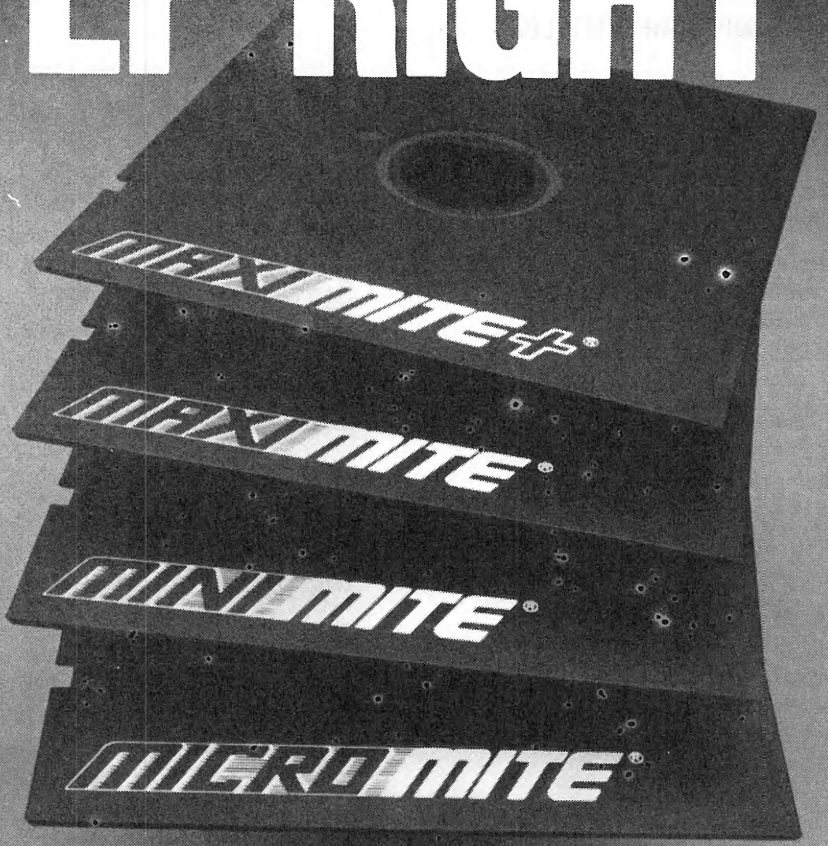
IDNO = " IDNO + 1<CR> Add 1 to whatever the IDNO is to make a new number.

<CR> to look at and accept the rest of the prompts and return to the form; or, <CTRL-C> to return immediately.

<CTRL-CB> to save your form and return to the operating system. (Enter slowly to see the prompts).

Debriefing: Our form is complete, protected, and ready to accept data. (Type DATASTAR and follow the prompts, or wait until next time, when we'll do it together and prevent any unsettling surprises.) You are ready to start designing your own forms with data entry standards that meet your needs.

STEP RIGHT UP



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***

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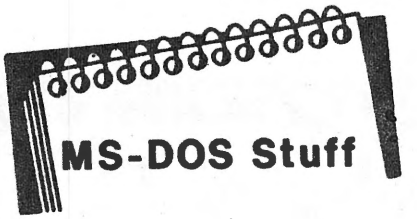

One of the advantages of the internal programs of DOS is that you can do many things without changing disks.

Let's see how the internal program COPY can help.

Place your DOS disk in drive A and reset the computer (control,alternate,delete). At the A> prompt type:

COPY CON: TEST.DOC

The cursor will go to the next line and wait for your input. Type THIS IS A MEMO <return>. Then type <control>Z <return>. The message 1 files copied will appear.

Check the directory by typing DIR TEST.DOC. How about that? You just created a file without changing disks or using a word processor. Isn't that a great idea for creating memos?

How about a quick way to address envelopes? O.K. Make sure your printer is on and ready and at the A> prompt type:

COPY CON: LPT1:

Again the cursor will wait. Type:

NAME<return>
ADDRESS<return>
CITY, STATE & ZIP<return>
<control>Z<return>

Of course the printer starts at the edge of the envelope, so just add spaces before NAME, ADDRESS, etc.

Now let's send that memo called TEST.DOC to the printer. At the A> prompt type:

COPY TEST.DOC LPT1:

Well, well, well! How about THAT?

And ... that's only a small number of possibilities available using internal programs like COPY.

Sysop's Corner

by Frank Fallon

We receive mail from users of KUGBBS about line noise and problems accessing the system. There are sometimes problems with bad telephone lines over which we have no control. The problems are caused by poor quality telephone lines and switching circuits. Poor lines, low carrier levels, and noise all add up to problems accessing any system. The problem can be anywhere in the connect path. It may be in your local office or ours or somewhere in between. High humidity and summer conditions seem to make it worse. There is little that can be done except to disconnect and call again hoping for a different path and a clean line on the next connect.

Line noise is usually more pronounced at higher speeds. You may see noise at 1200 but not at 300. Dropping to the lower speed may make a session possible.

You may want to hang on to the old modem for those systems such as KUGBBS which are only 300/1200.

AT&T lines are usually better for lon distance data calls. Look into the "Reac Out America" plan whereby you can cal out of state to anywhere in the USA fo $10.30 per hour between 11 pm and 8 am Also check your local telephone compan to see if you can buy hour blocks of tim in your local calling areas. You may se quite a saving there.

We recommended some systems which ha passwords and denied access because th caller didn't know the "magic" word Sysops of RCP/Ms want only CP/M users o their systems and have therefore installed very simply protection to keep out those who have other operating systems and who may want to make pests of themselves. Sysops expect you to be familiar with CP/M before you get on-line with their system. They assume that you know that PIP is the the copy program and also the kid from Great Expectations. You should also know that DDT is the Dynamic Debugger.

When you do get on line, look for HELP files on the system and make sure you read the bulletins.

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WORDSTAR by Chiang

QUICK MOVEMENT COMMANDS

The Ctrl-Q prefix begins a very useful group of commands. Aside from the search and replace functions, there are the Quick movement commands. The prefix, when added to cursor commands, roughly translates to the action of directly going where repetition of the original command would lead.

The commands in the original cursor movement diamond, Ctrl-E, -S, -D, and -X, can all be prefixed with Ctrl-Q. Doing so moves the cursor as far in the original direction as the screen allows. The commands move the cursor to the top of screen, beginning of line, end of line, and bottom of screen, respectively. This instantaneous movement is much faster than using the repeating arrow keys.

Large scale movement is possible with Ctrl-Q R and Ctrl-Q C. These bring you to the beginning and end of the document, without having to repeat Ctrl-R or Ctrl-C endlessly. Continuous scrolling is possible with Ctrl-Q W and Ctrl-Q Z. These cause the text to move downwards and upwards, scrolling a line at a time, until another key is pressed. Entering a number from 1 to 9 alters the speed of the scroll (a patched version of WordStar will also increase the speed). These commands can be useful for skimming a document quickly, or to locate a particular passage.

Various markers, left by the Ctrl-K prefix, can be used with the Ctrl-Q prefix. The <B> and <K> markers that define a block of text can be located by entering Ctrl-Q B or Ctrl-Q K. Place markers can be set at any particular point in the document with a Ctrl-K <number>; this leaves a marker (from <1> to <9>) at a paragraph of interest. To refer back to one of those points, simply enter Ctrl-Q <number>.

Another handy command is Ctrl-Q P, which moves the cursor to its Previous location before the last command or keystroke. If you check the text at one of your place markers, you can move back to your starting point with this command.

Or, if you're working in the middle of a paragraph, and you want to look at the screen preceding it, you can do so with Ctrl-R, and then return to where you left off with Ctrl-Q P.

A couple of deletion commands are also available with the Ctrl-Q prefix. Ctrl-Q Y deletes from the cursor to the end of the line, while Ctrl-Q <DEL> deletes to the beginning of the line.

A final command, mentioned last issue, is Ctrl-Q Q. This will repeat the next keystroke or command, even a two keystroke command, indefinitely until another key is pressed. Like the continuous scrolling commands, the speed can be controlled by hitting a number from 1 to 9. Its main use is for global reformatting (keep hyphen-help off).

A FEW MISCELLANEOUS NOTES

You can check the size of the file you're working on by turning off onscreen paging and moving to the end of the file. The status line then gives the file size in characters, or bytes.

If your disk is too full to save your latest work, erase the file WSMSGS.OVR. It is not necessary for WordStar's operation; if you know the program well, you can save space by never putting it on your disks.

Ctrl-O G sets the left margin temporarily (until the next carriage return) at one tab stop inward. It's good for composing outlines, or indenting text in general.

If your printer has a DIP switch for line and serial mode, set it to line. Then WordStar will fill whatever buffer the printer has, keeping your drives from spinning for the entire printout.

A quick, imperfect way to switch between single and double spacing is to insert a dot command at the top of the document. Doubling or halving the default line height (by entering .LH 16 or .LH 4) changes a single spaced document to double spacing, and vice versa. The format of paragraph breaks does not change, though.

* * *

In Response ...

...To help organize your hard disk, move related files to one user area, and use the SAVE 0 routine to name that area (i.e. SAVE 0 -DBASE). On Drive A User 0, create a directory entry that tells you where to find those files (i.e. SAVE 0 -DBASE.A2).

...If you wear glasses and suffer from eyestrain from too many hours in front of a terminal, ask your optometrist about the "virtues" of a 10% rose tint in your lenses.

...To run a .COM file from the system prompt, type <filename> <CR>. Do NOT type the .COM extent.

...You may read an ASCII file from the system prompt by using the CP/M built-in command TYPE. (TYPE <filename.ext><CR>). Note that .COM files are not ASCII files. Trying to TYPE these files will give you a screen full of garbage.

...The software bundle for the Kaypro 16 MS-DOS computer consists of: WordStar, CorrectStar, MailMerge, StarIndex, KDesk, PolyWindows, Mite, MS-DOS, and GW-BASIC.

...The software bundle for the Kaypro 2000 is the same as for the 16, plus Traveling Expense Manager.

...To redirect output to the serial port on the Kaypro 2000, edit the AUTOEXEC.BAT file, and insert the following command:

```
MODE LPT1:=COM11:
MODE COM1:12,E,7,1,P
```

(12 = 1200 baud, E = Even parity, 7 = Word Length, 1 = Stop bits, P = infinite retry on busy).

You may want to select a different set of parameters than those used in the sample. The parameters you use will depend on the requirements of your external device.

* * *

An Invitation To Join The W/P Users' Group

Chances are that your KAYPRO is being used for many applications ... and one of them is probably Word/Processing.

If you are using your computer to type reports, write a book or any other kind of writing, you should think about becoming a member of the W/P Users' Group.

Our bi-monthly newsletter published by the same people who bring you the KUGRAM®, contains information that will help you do more with your computer. Articles such as:

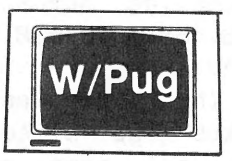
Reviews of the latest word processing software;
Basic tutorials and hints on using W/P software;
Tutorials on using the operating systems for W/P;
Special columns devoted to business, professional and educational writing ... for the secretary, too;
A vendor column of W/P software suppliers;
Box 144, our informal mail information exchange;
Listings of local W/P User Groups.

In addition, we plan to operate our own national Bulletin Board system. This information and the best of W/P-BB will be printed in the newsletter.

Annual membership fee of $15.00 (U.S.) must be accompanied by a letter stating your name, address, telephone, computer model, printer model and word/processing program that you are presently using. KUG members can save 20% by just including their KUG I.D. number along with a check for $12.00.

Become a charter member and learn how many other writers are saving time and effort while producing professional documents on their computers.
JOIN NOW!!

Please make checks payable to W/PUG and mail to:



W/Pug
P.O. Box 144
Malverne, NY 11565

National KUG Disks

DISK 145: TYPE AND MATH

AHCAP.BAS; AHCAP.DOC: Prints out a hardcopy test paper. GENADD.BAS; GENADD.DOC: Prints out multiple copies of your name, address, and phone number, as on a business card. MAIL.BAS; MAIL.DOC: Does form letters. You write your template for the letter into the program listing, and then it prompts you for the individual names and addresses. MEMORIZE.BAS; MEMORIZE.COM; HUMPTY.MEM; LAMB.MEM; MENU.MEM: Tests your ability to memorize text. TYPEDATA.COM; TYPEDATA.TXT; TYPLEARN.COM; TYPLEARN.DOC: Teaches touch typing. Displays a keyboard on screen. Using the text in TYPEDATA.TXT it flashes a letter at a time for you to repeat. Percent of keystrokes correct is given. You can enter your own text into the data file.

DISK 146: UTILITY 5

These utilities deal with disk operations, word processing, and MBasic programming. DEBUGGER.BAS; DEBUGGER.DOC: This program prints out a list of all the variables used in your program, giving their type, size, and all the line references. You can then follow what happens in the program more accurately. DSKNAME.COM; DSKNAME.DOC: A program to give your disk a name. DU-V77.COM; DU-V77.DOC: Version 7.7 of Christensen's legendary DU program, complex and powerful enough to do virtually anything to a disk. KSTROKES.ASM; KSTROKES.COM; KSTROKES.DOC: A key redefinition program. The menu offers options such as defining eight special function keys at up to 63 characters each, or defining a "macro" with up to 190 characters. You can also alter the transmission speed of the string or reconfigure the keypad. PASS.BAS; PASS.COM; PASS.DOC: A password program for disk security. ROFF.COM; ROFF.DOC; ROFF.H; ROFF1.C; ROFF2.C: A text formatter which prints out text files neatly. The format parameters have default values, but all can be reset by embedded commands resembling WordStar's dot commands. SAP38.ASM; SAP38.COM; SAP38.DOC: Sorts and packs your directory, rewriting the filenames in alphabetical order. Makes the directory neater, and allows certain programs to run faster. SUPERSUB.ASM; SUPERSUB.COM; SUPERSUB.DOC: A SUBMIT program which allows automated batch processing. Its features include nesting .SUB files, a help function, and the ability to take instructions from a command string or an interactive mode.

DISK 147: WORD PROCESSING

EDIT.COM; EDIT.DOC; EDIT.HLP: A good line editor, which deals with text in terms of lines. Lines are numbered, and operations are done on that basis. This program has search and replace functions and a help screen. PCFILER.BAS; PCFILER.COM; PCFILER.DOC: Allows mathematical functions with Perfect Filer data. Converts the data file into Perfect Calc in a format usable by that program, where the math functions of the spreadsheet can be used. PCTEXT.BAS; PCTEXT.COM; PCTEXT.DOC: Allows column operations on text for Perfect Writer files. The file is converted to a narrow column format so that it can be moved around in blocks using Perfect Calc's commands. SCREEN.COM; SCREEN.DOC: A screen dump program. Run from CP/M, it prints out a hardcopy duplicate of what you see onscreen. Will not work with the new 84 machines. WRAP.C; WRAP.COM; WRAP.DOC: A printing utility, wrapping extra long lines. Default values for formatting features can be patched with DDT; addresses are in the .DOC file.

DISK 148: SCREENWRIGHT

This program is a text formatter which produces screenplays in accepted format. You compose your screenplay with any word processing program, entering special dot commands for camera angles, names of characters, speeches, parenthetical descriptions, and directions. SW80 prints the file with correct script margins. It can send output to the printer, the console, or a disk file, starting at any page number. It is capable of underlining, or allowing embedded ASCII codes for printer control. Other capabilities include automatic scene numbering, justification, comment lines, linking files, redefining any of the text margins, footers and headers, and miscellaneous page formatting commands. The program comes with a terminal installation program.

* * *

Library

#101 PAC-MAN & CHESS (Games)
#102 ELIZA & GOLF & MISC. GAMES
#103 MODEM795 for tel. comm. (Modem)
#104 HELP CP/M, MBASIC + Others (Helps)
#105 UTILITIES 1
#106 ADVENTURE (Games)
#107 STATISTICS
#108 MBASIC MYSTERY (Games)
#109 UTILITIES 2
#110 POSTER PRINTOUTS (Pictures)
#111 KAYPRO 10 GRAPHICS
#112 HELP PERFECT, SBASIC, Etc. (Helps 2)
#113 SBASIC & MBASIC PROGRAMS (Business)
#114 LITTLE BLACK BOOK (Directory)
#115 STAR TREK + 15 MBASIC GAMES
#116 MULTI-FORMAT DISK FOR K II, IV & 10 (Multi-format disk runs on CP/M only.)
#119 CONCENTRATION + 15 MBASIC GAMES
#120 HP CALCULATOR + MISC.
#121 STANDARD FORTH (Language)
#122 SOURCE FOR FORTH (Language)
#123 WP & PC UTILITIES
#124 UTILITIES 3
#125 HANDY (Time Management)
#126 ASTRONOMY (Science)
#127 PC & PW UTILITIES
#128 KAREL THE ROBOT (Language)
#129 MONOPOLY + MBASIC GAMES
#130 MASTER CATALOG (Catalog)
#131 LOGO GENERATOR/EPSON (Business)
#132 SUPER UTILITIES 4
#133 STATISTICS 2
#134 STATISTICS 3
#135 STATISTICS 4
#136 STATISTICS 5
#137 STATISTICS 6
#138 FRANKENSTEIN (Game)
#139 LITTLE BLACK BOOK (MBasic update)
#140 FILE CARD DATABASE
#141 K10 HARD DISK UTILITIES
#142 ACCOUNTING PACKAGE (Business)
#143 DISK MANAGER + (Utilities)
#144 WORD PROCESSING + (WP Utilities)
#145 TYPE & MATH--MBASIC (Educational)
#146 UTILITIES 5
#147 PF & WP UTILITIES
#148 SCREENWRIGHT (Format)
#149 VEGAS (Games)
#150 MONEY MANAGEMENT (Business)
#151 OUTLINE (Business)
#152 SUPER LABELS PROGRAM (Utilities)
#153 FLIGHT FANTASY (Games)
#154 UTILITIES IN PASCAL
#155 TELE/DEVICE/DEAF (Modem)
#156 MEX II (Modem)
#157 RCPM REVEALED (Modem Utilities)
#158 KREEP (Database System)
#159 YANC (Catalog)
#160 ULTIMATE MODEM (Modem)
* #161 K-4/84 UTILITIES #1
* #162 20 PRINTER P/W CONFIGS (Utility)
* #163 SIMPLE DATA BASE SYSTEM (DB Utility)
* #164 POOR MAN'S RCP/M SYSTEM (Modem Util)
* #165 EASY BOOKKEEPING (Business)
* #166 FAMILY TIES 1 of 2 (Genealogy)
* #167 FAMILY TIES 2 of 2 (Genealogy)
+ * #701 PC-UTILITY & CATALOG (Utility)
+ * #702 CHESS & CASTLE (Games)
+ * #703 OUTER SPACE (Games)
+ * #704 PC-TALK (Modem)
+ * #705 PC-ACCOUNTING (Business)
+ * #706 SIDEWAYS (Printer Utility)
+ * #707 PCYEARBOOK (Business)
+ * #708 FULL SCREEN EDITOR (Editing Disk)
+ * #709 FAMILY TIES (Genealogy)
+ * #710 PC-WRITE (Word Processing)

* New contributions
\+ MS-DOS disk

New Library Disks

Following are descriptions of files found on the disks that have recently been added to the KUG Library. Most disks contain more programs than are listed here.

#161--K-4/84 Utilities #1: DDraw, a general purpose graphics/text utility; a version of DU compatible with CP/M 1.4, 2.x and 3.x; EDIT, a 2k disk utility program to replace PIP, STAT and others, and which can be used with dBASEII; TIME provides access to K-4 real time feature.

#162--20 Printer configurations: .DAT and .DOC files for the most popular printers for Perfect Software users.

#163--Simple database system: Sample test files for creating a mailing list. Prints labels, merges list with any word processor, sorts by name or ID code.

#164--Poor man's RCP/M system: Includes a HELP file. XMODEM and BYE support three drives, A-C, and all 15 user areas.

#165--Easy bookkeeping: A set of programs designed to maintain a simple general ledger bookkeeping system.

#166 and #167--Family Ties: Includes a 20 page manual and a DEMO tutorial. Disks must be purchased together.

(continued)

NEW LIBRARY DISKS (cont'd)

As promised, we have added MS-DOS disks to our library. Following are brief descriptions of the first ten disks.

#701--PC-Utility & Catalog: Programs to change file attributes; tag and untag, copy, rename, delete, view, and sort files; examine disk drive sectors; sort the directory; catalog disks and files.

#702--Chess & Castle: Also Gomoku, a tic-tac-toe game, Wordsearch, and Armchair Quarterback.

#703--Outer Space: Astro-dodge, 3-demon maze, Encounter, Pango, Pinball, Spacewar and Stargate.

#704--PC-Talk: Modem program with detailed documentation and help file.

#705--PC-Accounting: Program designed for non-accountants; aid in family and small business financial record keeping; detailed documentation.

#706--Sideways: Programs to send various printing codes directly to the printer; software printer buffer; justify text with spaces between letters as well as words; skip perforations in fanfold paper.

#707--PCYearbook: A calendar/appointment schedule program with note pad function.

#708--Full Screen Editor: Documentation included for ACE and STREW editors.

#709--Family Ties: Same as #166 and #167 above, but on one disk.

#710--PC-Write: Word processor and text editor; tutorial; detailed manual.

Library Disk Orders

Send $10.00 (for each disk) to KUG Library, Box 100, Malverne, NY 11565. DO NOT SEND US ANY DISKS. Be sure to mention the disk name, number, your mailing address and ID number. Save 20% by ordering any six KUG Library disks for the price of five. Send us the names and numbers of the six disks you want along with a check for $50.00 to the address above. Make sure your KUG ID number is on your check.

Best of KUGBB

Perfect Filer v. 1.2 can be used with the function keys as well as the control codes because it reconfigures keys when it signs on:

up-arrow	becomes ^P	(normally ^K)
down-arrow	becomes ^N	(normally ^J)
left-arrow	becomes ^B	(normally ^H)
right-arrow	becomes ^F	(normally ^L)

Unfortunately, it doesn't reset them to their normal values when the program is exited. Since I was using my Kaypro 10 with the MASMENU, I didn't notice this for a while because the MASMENU program resets the keys itself, and exiting from PF causes a return to the MASMENU. Cold boot to reset arrow keys after using PF.
--Carl Speed

Just this week I successfully mated my KII with our office word processor. The technique is too simple to believe. First, get both machines connected with a null modem cable--pins 2 and 3 cross connected. Second, run SMODEMK or other smart modem program on your machine, and an equivalent program on the other machine. Get both machines into the term mode (i.e., <T B:text.doc> in SMODEMK). At that point you should be able to communicate directly from one keyboard to the other screen. Finally, to send data (ASCII text is all I've tried), use the informal file send command to send your file. Use the appropriate receive command from the other program, and there you have it. We tried XMODEM and others before we hit on this simple method.
--Joe Ruh

Re columns in WordStar: Reformat to desired width of finished columns (^B). For example, if you compose with width of, say 60 columns and you want final columns to be 20 each, change right margin (^OR) to 20 and re-format. Count number of total lines, or decide how many are to be on page. Use Column Move (^KN) toggle (not on early versions of WS). Turn Insert OFF (^V). Reset right margin to total width of 2 columns plus wehatever space you want between them (e.g., 20 plus 5 plus 20 = 45). Mark what will become RH copy with ^KB and ^KK. Place cursor in first space to be occupied by RH copy and ^KV. Be sure insert is OFF! It can do 2, 3, 4 or more blocks side by side.
--Aaron Sheaffer

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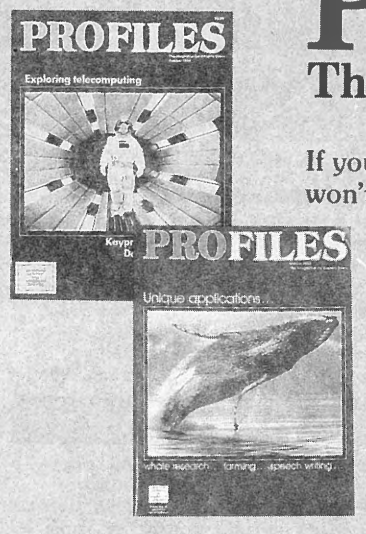

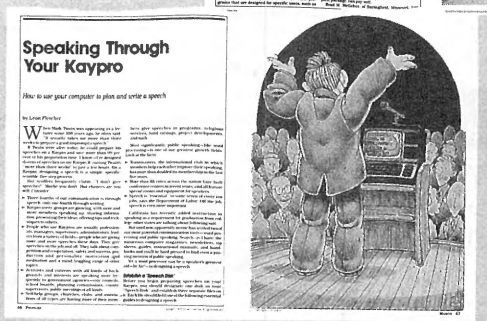

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Tee Shirt Winners

The impartial tee shirt slogan judges have been released from their sequestered chambers. The marvelous talent, humor, ingenuity and creativity expressed in the entries made it difficult to limit the choices to the four we finally picked.

In the next issue, we'll give you full details on what the designs are and how to order your shirts.

...And the winners are: John F. Ewing of Santa Rosa, California; Joe Silsby of Columbia, Maryland; and Laurel Munoz of Fremont, Michigan, who sent in two winners. Congragulations. You'll be receiving your surprise gifts soon.

Correction

KUGGERs who have received the KUG Library Disk Index may have noticed that there is an error on the last page. Disk #157 is not YANC, but RCP/M REVEALED. YANC is Disk #159. The error will be corrected in future printings. We apologize for any inconvenience.

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