

KUGRAM[®]

JUL-AUG 1985 VOL. 3 NO. 4

Official Newsletter of the KAYPRO USERS' GROUP

YOU ... ASKED FOR IT!

Things change fast in this field of high technology. With Kaypro making the ultimate move to MS-DOS and introducing the 2000 with a 3 1/4 micro diskette, it's time for KUG, as well, to move right along.

NOW HOLD ON! KUG will not abandon our all time favorite, CP/M, nor will it forget the many Perfect Software users. In fact, our recent survey shows that KUGGERS use Perfect Writer almost 2 to 1 over WordStar. (See SURVEY inside.)

Starting with this issue, we will have a table of contents and each article listed will be coded so that you will be able to tell if it pertains to WordStar or Perfect or anything else.

Inside you will also find two new columns. 1) STARWARES, an ongoing discussion and tutorial on the use of the MicroPro software that is being bundled with almost all the Kaypro computers; and 2) MS-DOS STUFF, written by the same one who brings you CP/M STUFF every issue. An easy entrance into the world of MS-DOS.

You have also asked us to separate and/or partition KUGRAM so that Perfect and WordStar appear in different sections. Well, we're getting close, but it is difficult to distinguish some of the subtle differences. However, we will try to do it with the articles pertaining to the new (MS-DOS) and the older (CP/M) systems. REMEMBER WordStar and other programs are used in both. Which reminds us, please let us know what machine you are using and the version of the program discussed when sending us material for the KUGRAM.

The KUG Library continues to grow, and as you requested, we are offering package deals on special program categories. The Statistics Six-Pack seemed to prove you right again. (See LIBRARY SPECIALS.)

Because of the shift to 16 bit machines by the Kaypro Corporation and the fact that we support ALL Kaypro users, we are now in the process of building an MS-DOS library of Public Domain software. One of the problems confronting us is the new micro disk used on the Kaypro 2000. But we're working on it. (In fact, this is being written on the new 2000 lap portable.) Any suggestions along these lines will be most welcome.

Your suggestion and request that we try to get our local Kaypro dealers to offer discounts to all KUG members is finally coming to fruition. (See MEMBER DISCOUNTS article.) In response to a survey sent to dealers, almost 100% of the more than 100 who have answered as of this writing will be offering discounts to our KUG members upon presentation of their KUG ID Cards.

When things are looking up, things are looking up. When we visited with Thorn EMI at Comdex, Atlanta, we were greeted by Mr. Clem Scharwath, who advised us immediately that the Perfect Software protection will be REMOVED! In unity there is strength.

We are also working with Tom Foote, of Profiles, in attempting to get computer information and public domain software out to the third world countries. (More inside.)

Time to empty the "SUGGESTION BOX" again.

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

NOTICE

It's time for some KUGGERS to renew their membership. If your KUGRAM® label has **RENEW** printed on it, your membership will expire after the next issue.

The renewal rate is **\$15.00** U.S.A. . . . **\$20.00** CANADA (U.S. Funds) and should be mailed to **KUG RENEWAL**, Box 100, Malverne, NY 11565.

***** IMPORTANT *****

Please write your ID# on the face of the check. The number on the KUGRAM® is your ID number.



Box 100



Dear KUG,

Some members have written me because they were unable to use the instructions for speeding up Wordstar in the May/June issue. Let me try to clear up some of the confusion. All of the instructions expressly printed were for DDT only, and not with WINSTALL. I find DDT to be faster and more versatile. I realize there is a similarity in the command entry for the two programs, but I was hoping that WINSTALL users would convert the instructions into acceptable format for that program.

DDT (as mentioned in the March/April issue) must be loaded with some variation of DDT WS.COM, and exited with a Ctrl-C and then the command SAVE 69 WS.COM. The "S" preceding the address given in the article is the Set command for DDT, which means change the value at that address. WINSTALL asks for the address alone, or the label. Concerning the actual addresses, WordStar recently released with the Kaypro has one or more of the delay values already reset.

As for the commands F3CF1, 3CFC, 0, and F3D0F, 3D36, 0, these are also strictly for DDT. The "F" is the Fill command, which means to fill memory from the first address to the second address with the given value (zero here). The addresses are inaccessible with WINSTALL, whose patching area ends at 83A. DDT or a similar program can reach this area in memory.

If anyone has questions or solutions, please write in.

T.F. Chiang
 27 Cove Lane
 Port Jefferson, NY 11777

[Ed. note: There is a typographical error in WordStar by Chiang, Vol. 3, no. 3, p. 20 that may have confused readers. At the top of column 2, the second line should read

-F3D0F,3D26,0

Dear KUG,

The creators of Perfect Writer forgot two important features which belong in the editor (PW.COM): access to the directory and space remaining, and a disk reset command. You can fix the second and crudely approximate the first. (All my comments apply to Perfect Writer version 1.20, running on a Kaypro II.)

To have a directory available while editing you need to put it in a disk file. D.COM (KUG Library Disk #105) will do that. Its directory listing includes the size of each file and the amount of space remaining on the disk. Once you have this information in a disk file, you can call it up into an unused buffer whenever you need it. The catch is that you have to update this directory file each time you put a new file on or take a file off the disk.

Having a disk reset available is even more useful. This allows you to swap disks while editing, if you suddenly find that you haven't enough space to save your current work or if you want to read something from another disk into an unused buffer. A disk reset is easy to program, and patching PW.COM is easy, since the patch points are all listed in the file PW.SYM on the installation disk. Here are instructions that anyone can follow.

Browse through the text of the FUNCTS.TXT file, either in your PW manual (A-43ff.) or on your installation disk. (Careful! DON'T ALTER IT!) Find a command you can live without, and copy down the entries in the "name" and "function" columns. Since I use The Word+ for spelling, I can do without the command which calls Perfect Speller, so I copy down "^X-S" and "MGOSPELL."

Display the PW.SYM file from your installation disk. (Use TYPE, or whatever. DON'T ALTER IT!) You'll see columns of functions and numbers. The numbers are the HEX addresses of the routines in PW.COM that are called when you type in commands. Copy down the address for the command you are using. (For MGOSPELL it's 5EC9.)

(continued)

Now use DDT to patch a disk reset (BDOS 13 call) at the address you have copied down. Here's how to do it. Put a spare copy of PW.COM on a disk in drive B (it's safer not to experiment with either your distribution copy or working copy). Put your CP/M disk in drive A. Log onto the B drive. At the B> prompt, enter "A:DDT PW.COM" <cr>. There will be some whirring of disks and some odd words and numbers on the screen, and then you'll get the DDT prompt [-]. Now enter "a" followed immediately by the address you copied down. DDT will then prompt you with the address you have just given it. You enter the assembly language command shown below, followed by a carriage return. DDT will then prompt you with another address, and you enter the next line of assembly language followed by a return, etc. Your addresses may be different from those I show below, but the assembly language commands must be the same.

```
5EC9 LXI B,000D <CR>
5ECC CALL 005 <CR>
5ECF LXI B,000E <CR>
5ED2 LXI D,0001 <CR>
5ED5 CALL 005 <CR>
5ED8 RET <CR>
5ED9 <CR> (NOTE: the dot is a period.)
```

This code assumes that you run with the B drive as the logged drive. If you use the A drive as the logged drive when you use PW, then you should omit the third, fourth, and fifth lines of code (or else replace the fourth line by "LXI D,0000"). The period ends the entry of assembly language code, and you should get the DDT prompt [-]. Enter "g0 <CR>" and you should get a warm boot. You now have a patched copy of PW.COM in memory, but not on disk. To get it on disk, enter "save 137 pw.com <CR>" immediately after the warm boot.

To use your new disk reset command while editing, change the data disk and then enter the command you copied down from the "name" column of FUNCTS.TXT (in my case, ^X-S). This will reset the disks and you can write to the new formatted disk without getting a BDOS error.

John G. Bennett
1373 Taughannock Blvd.
Ithaca, NY 14850

* * *

Dear KUG,

Turbo Pascal is a great language and at the bargain price is well worth getting. At times, however, the documentation is confusing and some of the sample programs in the manual have errors.

My first frustration was being unable to read a text file created by another program from disk using Turbo Pascal. I discovered that the declaration "File of Char" found in older books on Pascal does not work. You must declare the file variable name in the VAR section (not in TYPE) as follows:

```
InFile : Text
```

Then you must assign the disk file name to the file variable.

```
Assign(InFile, 'B:FILENAME.DOC')
```

The text must be read from the text file into a previously declared variable such as a string, an array of characters, etc. Reading from a text file directly into another variable of type Text results in error messages.

After finally getting the text into the program and displayed on the screen, I tried to do some manipulations on a line of the original text and wrote a loop that was to terminate on the <CR> character. This caused Turbo Pascal to read right past the end of the original line and on into the next addresses in memory with various undesired results. Eventually I discovered that READLN stops before the <CR LF> sequence, so the string that I had created from my line in the original disk file did not end with a carriage return.

To find the end of a line of text you can either use the LENGTH(Str) function or you can append a new <CR> to the end of the string. WRITELN also adds a <CR LF> to a string, so if you append a <CR LF> and then use WRITELN you create doublespaced output.

Good luck in your own adventures with Turbo Pascal.

John Veranth
4460 Ashford Drive
Salt Lake City, UT 84124

Dear KUG,

If you write academic papers and have long endnotes, here is an improved alternative to the methods described by Debbie Wood in Vol. 2, no. 5, page 15 and an earlier article by Donn Devine in Vol. 1, no. 3, page 10. The basic method still involves inputting the text of the notes into a separate file using the split-screen facility of PW. However, according to the style sheet that I am obliged to follow (the MLA), the numbering of the actual endnotes is to be done with indented, superscripted numbers. Instead, therefore, of using the ENUMERATE environment to number the notes automatically (which does not allow for superscripting) and instead of using @+(note number) in the TEXT environment (which requires manual numbering and renumbering of notes), use @note() in the TEXT environment at the beginning of every note. Leave a spare line between notes to space them from one another like paragraphs, insert the correct style parameter commands at the beginning of the note file to take care of indentation, and put an @newpage command at the end of the file. The resulting note file will be consecutively numbered and correctly formatted. There will merely be an extra page of blank notes at the end to be discarded.

Timothy Pope
The University of Lethbridge
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Lethbridge, Alberta, Canada T1K3M4

Special FREE Offer

During these past three years we have received many two year memberships and even some three year renewals. Since we feel that this form of appreciation should not go unrewarded, 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. If you want the disk of your choice now, just send us your ID# plus your check for \$30.00 and we will extend your membership an additional two years. Be sure to give us the KUG library name and number of the disk you want. It will be sent by return mail.

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8 You can store more information in each record, with up to 999 fields, compared to their 32.

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10 MAG/base can produce custom forms quickly and easily with our unique forms generator — they have nothing like it.

11 MAG/base offers greater data flexibility and better built-in editing, with seven data types compared to their three.

12 Thanks to 99 automatically maintained indexes (compared to their seven), we offer more flexible cross-referencing.

13 We offer simple access to file definitions through our Data Dictionary — they don't even have one.

These comparisons are based on manufacturer supplied documentation for MAG base² release 3.2 and dBASE II release 2.3, both operating under CP/M-80. CP/M is a trademark of Digital Research. dBASE II is a trademark of Ashton-Tate. MAG base is a trademark of MAG Software Inc.

If you're looking for a data base management system that will simply outperform dBASE II or any others, call or write us now. You'll hate yourself if you don't.

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Kugram on Disk

As an experiment, and to help one of our KUG members, we are placing this issue of KUGRAM on disk.

We have discovered that there are Kaypro users who are using Braille printers to aid them in computing. The only way for them to "see" or "read" hard copy is through this system.

There are other ways that KUGGERS may benefit from this form of publication, but we are not sure how this will be handled. However, we are sure that it will benefit some members. We may even offer this form of newsletter to our Third World neighbors (see Third World Help article.)

If you feel that this is something that should be continued, please let us hear from you as soon as possible so that we can plan our future issues.

New Kaypro Sounds

A couple of fellow Kaypro users have told me they wish that their Kaypro had the capability to produce a variety of sounds, rather than only the keyboard beep.

In fact, a simple sound-output device can be constructed for approximately \$10 and added via the serial port. The computer itself is not modified. The resultant sounds are not of a musical quality or variety, but can be used nicely to provide attention-getting signals, game enhancements, and so forth.

I have a write-up which includes a parts list, construction details, and examples of programming the selectable tones from both MBasic and Turbo Pascal. I will be happy to provide this to others if they will send me their name, address, and one dollar to cover my copying costs, return postage, etc.

Allan Glaser
Rt. 4, Box 147
Troutville, VA 24175

Member Discounts

For some time, KUG has been trying to establish a way for members to receive special discounts from their local dealers. Our latest effort, a questionnaire mailed to dealers, has brought us some positive results.

The questions asked were:

* Are you willing to offer KUG members a discount upon presentation of a KUG ID card?

* If yes, what discount? 5%, 7%, 10%, more?

* Any discount difference between hardware and software?

Of course the answers were varied, but the most important response to the discount was that more than 99% of the dealers who answered said...YES!

Since this dealer discount information will require more room than is available in the KUGRAM, we will print a separate listing of all participating dealers and their discount information. It will be available to all KUG members for a self-addressed stamped envelope sent to DEALERS, c/o KUG, Box 100, Malverne, NY 11565. Please put your KUG ID # on the envelope.

Be sure to take your KUG ID card with you when you visit your local dealer. The special discount is available only upon presentation of this KUG identification.

This effort was brought about because of your requests and suggestions. Let's hear some other great ideas. Keep those letters coming.

Library Specials

The response to our Statistics Six-Pack offer in the last issue of the KUGRAM was so favorable that we are expanding it. Now you can save 20% by ordering ANY six KUG Library disks for the price of five. Send us the names and numbers of the 6 disks you want along with a check for \$50.00 to KUG Library, Box P, Malverne, NY 11565. Make sure your KUG ID number is on your check.

Survey Results

Though there is no such person as a "typical" KUGGER, results from our most recent survey have shown us what you want the KUGRAM to do for you. The following is based on the first 1,000 questionnaires returned by members with their renewals.

First, we will continue to run letters and articles on Perfect Software, since the majority of respondents use the series: 72% use PW, 68% use PC, and 65% use PF.

Another large segment of KUGGERS (44%) own modems, so we plan to keep offering information on accessing various bulletin boards as well as reviews of telecommunications hardware and software products.

Of the 1,000 survey replies we received, 41% indicated using WordStar. We expect that this figure will grow, so WS material will continue to be an important part of the KUGRAM. Though 6% of our members use Newword and 4% use Select, they will not be slighted either.

Other results that might be of interest are: use of dBASE II, 20%; MBasic, 17%; Turbo Pascal, 12%; Plu*Perfect, 7%; ProfitPlan, 4%; DataStar, 3%; and Multiformat, 2%.

You can be sure that as long as any interest or need exists, we will publish information on it.

Contest Winners

Thanks to all of you who submitted names for our new MicroPro column. It's good to know that you care enough to share your very best.

The entries were numerous, the suggestions ranged from the sublime to the elegant to the funny to the corny, and the decision was tough. There were three people who submitted the winning name, STARWARES. Each of them will receive a prize in the mail.

And the winners are...Kenneth Poli, Richard L. George and Catherine P. Holleyman.

Third World Help

The June issue of Profiles contains information about micros in the Third World. Editor Tom Foote mentions us and the KUGRAM as having volunteered to work with him and others in developing a world wide network for helping others less fortunate than we are. We can hardly wait to get started. YOU can help!

Plans for implementing the third world computer network are being drawn up and refined. The central clearing house will probably be the KUG SIG on CompuServe. As descriptions of the larger goals and the specific tasks to be accomplished become available, we will inform all of you through KUGRAM.

It is a safe bet that any of our efforts to share our resources will result in a vast increase in our knowledge of people and cultures about whom most of us have only read. We at KUG are excited about this project.

We are asking all of you out there to share your ideas with us, so that we can help make this program a landmark one. What do you think we should establish as priorities: hardware, software, special applications? What are the best means of sharing this knowledge? How can we ensure that the help we give is the help that is needed by the recipients, and not the help that we think they need? There are dozens of other questions, and your input will help us define them and come up with good answers. Send any comments to Third World, KUG, Inc., Box 100, Malverne, NY 11565.

Notice

In the last issue (June, 1985) of Profiles, the telephone number of the KUG bulletin board was listed — incorrectly.

Please note that the correct number is:

516-747-8308

and not the number listed in Profiles. Tell anyone you know who may call the KUGBB about this error.

Someone out there is receiving a lot of calls that they aren't enjoying!

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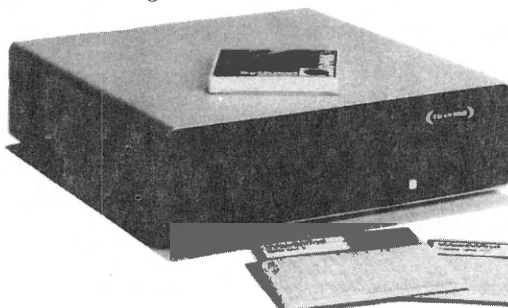
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Kaypro News

The Kaypro 286i has received very high marks from the computer community, with only one major drawback—the documentation. Kaypro has informed us that this problem is being addressed right now. New documentation is in the process of being written, but no release date is yet given.

Kaypro has also released the Model A, a stripped-down 286i. This machine comes with one disk drive and has less bundled software. It is priced at \$2,995.

The base station for the 2000 is close to completion, and plans for the modem for this computer are still in the discussion stage. It is not yet certain whether Kaypro will offer a 300- or 1200-baud version, nor whether it will be internal or external. Also undetermined as of now is whether the modem will be part of the standard package or offered as an option.

Another new Kaypro is the Kaypro 1. It is being marketed primarily for use as a word processor, or as a terminal or front end for mainframe communication. It has two vertical disk drives and is bundled with CP/M and Perfect Writer. The cost of this machine is \$995.

Att: Local KUG Chapters

Do you have newsletter articles that you would like to see on CompuServe?

There are many important points of information in local KUG newsletters that we feel should be shared with other KUGGERS. Since we do not have the room in KUGRAM to include the best of these newsletters, we would like to have them available to other KUG groups and KUG members through our SIG on CompuServe (PCS 25.)

Please send them (ON DISK) to Frank Fallon, Sysop, c/o KUG, Inc., Box 100, Malverne, NY 11565. We are looking for technical articles, how to's, and reviews. Be sure to mention the newsletter name and the local KUG address. We will send a free KUG Library disk for every disk you submit.

PeopleTalk Quarterly

PeopleTalk Associates has expanded its excellent PeopleTalk Quarterly...64 pages of valuable information on Perfect Software, Public Domain programs, CP/M, and hardware add-ons. Also included are columns on WordStar and dBASE, printer compatibility, and ads. "Learning to Use Perfect Calc," a 26-page center pull-out book section, is an example of the thoroughness and care that have become a hallmark of PeopleTalk products.

The Hacker's Toolbox column has been expanded, and new features have been added: a user-written dBASE column; QUE PASO—humorous stories about a little known computer company called Que'Pro; a column on enhancing your copy of WordStar.

Kaypro owners—new and old—will find much of value in The PeopleTalk Quarterly. The style of writing is clear and direct, and the many touches of humor add to the pleasure of learning about the Kaypro.

Subscriptions are available for \$20.00 per year (U.S.) and \$25.00 per year (foreign air mail) from PeopleTalk Associates, Inc., P.O. Box 863652, Plano, TX 75086.

CompuServe Offer Extended

Based on the recent KUG survey, more than 40% of our members use modems and are communicating with other computers.

THEREFORE...we are extending our offer to supply members with CompuServe Starter kits, 5 hours FREE connect time and all the modem software you need for just \$35.00. Retail value of this package is \$50.00. A saving of \$15.00!!!

Why not join the other KUG modem users and find out about getting all that good stuff from our SIG on CompuServe?

Do it now, while our offer still lasts.

Write to KUG, Starter Kit, Box 100, Malverne, NY 11565 and be sure to use your ID#.

Trantor Hard Disk

by Katherine Loukides

Like most other owners of the early Kaypro II, I have reached the point where I must make a decision: upgrade by purchasing a Kaypro 10 or 16; or invest in a hard drive. There are too many convenient and useful utility programs that I like to use—PIP, D, WASH, and MapleSoft's wonderful COMMAND CENTRAL PLUS—and like to have easily available. But they take up too much room on my 191k disks.

Because of the low resale value of the Kaypro II, it made more sense to go the hard disk drive route. I would keep the flexibility of the built-in drives and still enjoy the huge capacity of the hard drive.

Before talking about the specific advantages of the Trantor 11Mb drive with a removable 5Mb cartridge, a few complaints: The package containing the hardware did not include documentation. A phone call to Westwind Computers produced the manual the very next day. Further, the documentation applied to various computers, and one must figure out the codes for one's own machine before deciphering the directions. Westwind is working on a new manual, to be ready in June or July. Let's hope it is computer-specific and more helpful than the current one. Many instructions (such as creating a menu) are unclear, and others (such as the commands listed under HELP) are missing completely. Westwind's Technical Services informed me that the commands listed (but not explained) under HELP are ZCPR3 files. I had to call WestWind a number of times and found them extremely helpful.

The Trantor 11Mb drive (\$1295, with a removable 5Mb cartridge for an additional \$1295) is one available choice which should serve the needs of most KUGGERS. The removable 5Mb disk (\$125) can be used for backing up files for storage or safekeeping. When it was working, it was easy to access, and with the Arkive program, easy to copy to. However, occasionally I could not log onto it, and finally the drive refused to format the cartridge. The manual says it may be a loose cable.

The 11Mb hard disk can be partitioned as the user wishes. Instructions for this are clear. To test the flexibility and speed of the system, I copied programs (Perfect Writer, Newword, Select, dBASE II, MBasic, etc.) and utilities onto Drive A and my working files onto Drive B. When the hard disk is activated, the floppies become Drives C and D. The removable cartridge is Drive E. There is a program to change the lettering if this would lead to confusion.

I was able to modify the Main Menu so that PW, NW and Select could be accessed directly. I eliminated some of the "default" entries. In addition, I changed SuperCalc (SC) to SC2. When I figured out which .COM file was the "boot" file, I renamed it "HARD," which is easier to type than PBB11R5. The head positioning program, PBP11R5, was RENamed "OFF."

Be careful when you copy files onto the hard disk. If files have the same name, the second one will overwrite the first.

One can call up the programs on Drive A from any other drive without typing A:. After working on Drive B files, I PIPed them onto the floppy in Drive C or D. The hard drive is a definite asset. Its speed in accessing programs, and its ease of use, made a convert out of me.

The Arkive program creates a file called ARKIVE.LBF. Files could be appended to this main file and restored from it. Other files on the same disk or cartridge are not affected by ARKIVE.LBF.

A second program offered by WestWind with the Trantor hard drive is Disk Manager, which can perform a number of tasks: restore a deleted file; establish multiple user link to a file; map out bad disk sectors; display the status of a disk; and other file functions.

Also included in the package is SuperCalc2, a spreadsheet with a great many powerful features and an excellent User's Guide and Reference Manual.

The Trantor 11Mb Hard Disk from WestWind Computer, 1690 65 Street, Emeryville, CA 94608, (415) 652-3222, is currently being offered at a special summer price of \$1195.

"...the very best collection of utility software I've seen...The Kaypro is advertised as "The Compleat Computer"-but this is the bundle of software that makes that true!"

Dave Gerrold, Profiles Magazine

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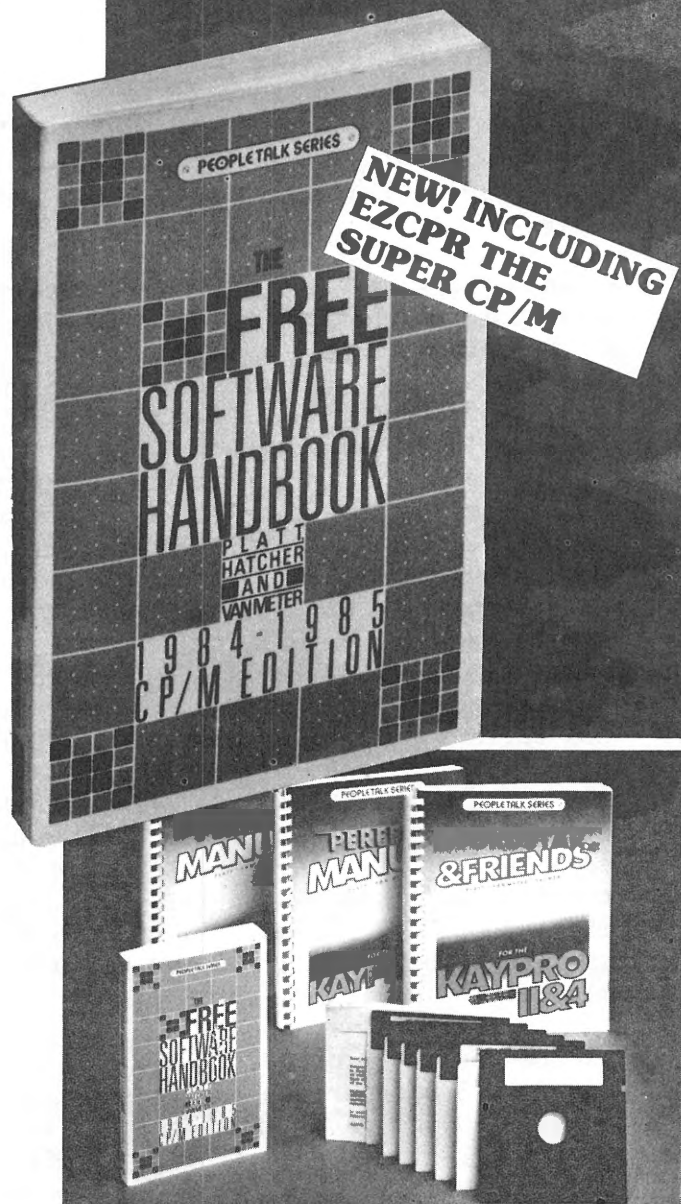
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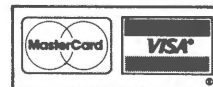
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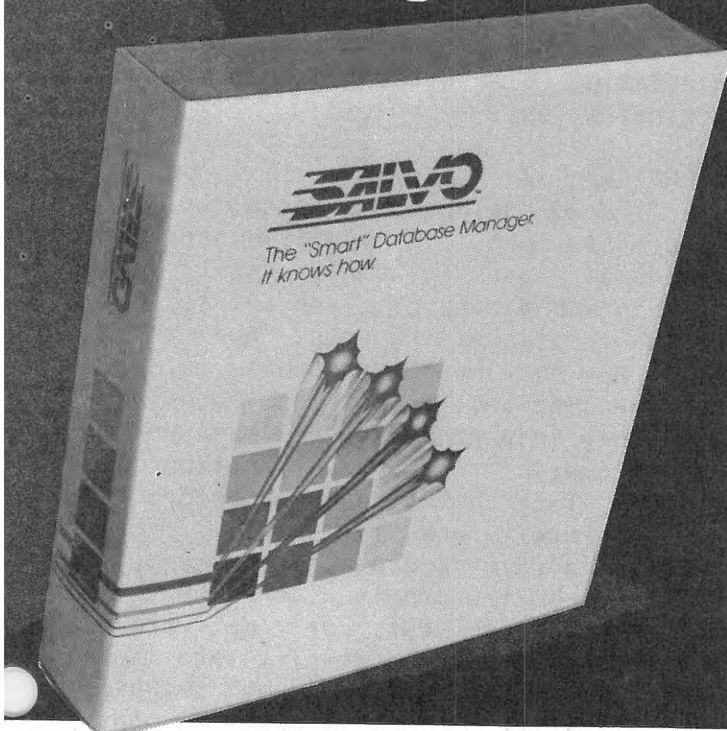
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Price Expires July 31, 1985

Superfile

by Mark J. Silvermetz

SUPERFILE is a powerful, superbly documented text information-retrieval system that lets you electronically store, cross-file, and rapidly retrieve free-form blocks of text of varying size, shape, and form. Ideal for academics, writers, lawyers, researchers, or anyone needing to organize text, SUPERFILE doesn't force entries into specific "fields" or "templates"; it lets EACH database consist of up to 255 disks!

Using the program is a snap: You write each free-form entry—anything from one character to a 512k chunk of text—on your word processor or text editor, surrounding each new or existing block of text with SUPERFILE's simple markers AND up to 250 of your own key words and phrases. "*"C" marks the beginning of each entry; "*"K" marks the beginning of its key words/phrases; and "*"E" marks an entry's end. An optional "*" placed anywhere between the "*"C" and the "*"K" gives you more control over the output. Next, you save the file(s) and run SUPERFILE, which will memorize up to 3000 unique key words per database, along with which disk(s) and exactly where on the disk(s) each associated entry lies.

Now you're ready to use SUPERFILE's powerful, menu-driven retrieval system. To access entries, you type in any key words/phrases, linking up to 64 combinations with "AND," "OR," and "NOT" in a single search! SUPERFILE will quickly find all entries matching your selection criteria, giving you everything you have about "THIS" and "THAT" or "THESE" but not "THOSE." If you forget the key words/phrases you used to tag entries, you can view all or part of the key-word dictionary before beginning the search; and anytime you enter a key not in the dictionary, SUPERFILE will prompt you with the alphabetically closest key words/phrases.

At your command SUPERFILE will send any or all entries matching your request to the screen, to the printer, or to a new disk file for further manipulation—with or without the special markers.

SUPERFILE works well with WordStar (with or without MailMerge), Perfect Writer, and other text editors, and will also let you make entries of any ASCII text, including such things as PerfectCalc's spreadsheet outputs or ASCII information downloaded from on-line sources. And it comes with Sort 'n Merge, a utility that not only sorts alphanumerically, but also lets you APPEND pieces of one file to new or existing files without overwriting the original files!

SUPERFILE isn't meant to be a full-fledged database program: It won't do computations, it isn't numerically relational, and it can't easily link specific sub-pieces of given entries into complex relational reports. And though adding NEW entries to a database is quick and menu-driven, if you modify a previously indexed entry, you must select the automatic re-indexing option to re-index the ENTIRE database before you can accurately use it. This limits SUPERFILE's ease-of-use with text entries that must be frequently altered. But for managing textual data or unstructured ideas that don't easily fit into rigid forms, SUPERFILE excels. Just thinking about SUPERFILE's capacity makes my mouth water: Each ENTRY can be anything from one character to 512K of text (though 25k is my usual maximum) and each entry can be associated with up to 250 key words or phrases. Each KEY WORD or KEY PHRASE can be up to 64 characters long, or can be any integer from 0 to 31999. Each DATABASE can contain up to 65,000 entries spread over as many as 255 floppies or over one hard disk and can use up to 3000 unique key words (excluding integers, which don't count against that total). And SUPERFILE's new manual is among the best organized I've seen: After 15 minutes, even a computer illiterate will understand the program.

The bottom line: I recommend SUPERFILE with Sort 'n Merge for anyone needing to manage text-based information. Such users will find it indispensable for magnifying any Kaypro's ability to store, retrieve, re-organize, and manipulate free-form chunks of data into useful idea blocks.

SUPERFILE . . . \$195.00 from Software Marketing Associates, 4615 W. Bee Caves Road, Austin, TX 78746, (512) 327-2882.

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The Kaypro manual states, "Line filtering will protect your Kaypro...from power surges or other undesirable occurrences from the power source." Surge protection will help your Kaypro provide years of trouble-free service. Also, if you plan to use your Kaypro to access information by modem, you must have a reliable high frequency noise (EMI/RFI) suppressor to insure against data loss and scrambling.

There are many "toy" surge suppressors on the market. They are smartly colored, but beware. The performance difference is amazing. The best surge and noise suppressors on the market are made by Panamax. Our "Panamax Challenge Certificate" tells all. It is a startling comparison of Panamax quality with 11 other well-known brands. One aspect of this revealing report tells how Panamax responds to and cuts surges in 5 or less pico seconds, while most other suppressors respond at a comparatively slow 5 to 50 nanoseconds!

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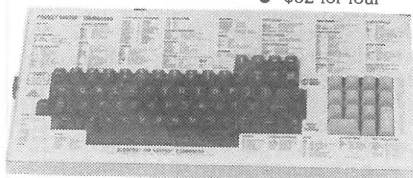
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"Spikes and surges can be the greatest threat to your computer outside a 4 year old child with a jelly sandwich aimed for the disk drive slot."



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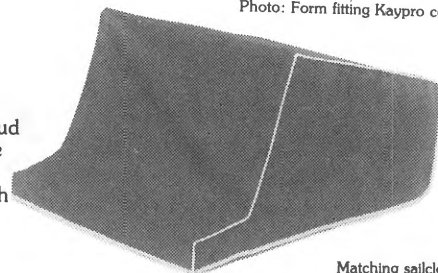
Description	List	Price
2 outlets, D NF	\$ 79.00	\$ 59.00
4 outlets, LC S RB NF	\$ 89.00	\$ 69.00
6 outlets, LC S RB NF	\$ 99.00	\$ 79.00
UltraMax, LC S UA NF	\$149.00	\$ 99.00
TeleMax, D 10L 2PJ NF	\$ 89.00	\$ 69.00

D: Connects direct to grounded wall jack.
LC: Includes 6 foot long heavy duty line cord.
S: Includes illuminated on/off switch.
NF: Includes EMI/RFI noise filter.
RB: Includes reset button.
OL: Includes outlet.
PJ: Includes 2 phone jack receptacles.
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Unique Panamax EMI/RFI noise filters provide protection in common and transverse mode. Essential for modem communications, multi-user stations, etc.
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P.C. Magazine, March 1983

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Central's super priced **\$45 SmartKey II Plus** combo pak includes a free copy of **SmartPrint II Plus**, a program that greatly enhances the operation of dot matrix printers, and a free copy of Paul Golding's \$15.95 book, **Screen Smarts, The Computer Tamer's Guide**. This book tells how you can use SmartKey to turn your computer into a supercharged mean machine. Save time and money. Order today to get this hard hitting \$115 software & book combo for only \$45.

Text Filing Machine

Turn your Kaypro in to a powerful text filing machine. **SuperFile** is a textual matter database manager unlike any other. It puts you in control of your information. It allows you to easily store and retrieve notes, letters, random thoughts, contracts, depositions, invoices, new product information, sales reports, reference articles, scripts, abstracts, bibliographies, customer profiles, and much more. **SuperFile** accepts as many as 65,000 entries per database; allows 512,000 keystrokes per record, each of which can have up to 250 keywords; and indexes information you've stored on as many as 255 diskettes per database. Powerful.

Input for a **SuperFile** database comes from your word processor, so you can easily include information you already have into a database without having to re-key it. No fancy fields to define. This is a completely free-form database system. No programming language to learn. There's nothing difficult here. You can be up and running within minutes. **SuperFile** uses logical searching procedures to find your information fast. Save yourself the time and effort of filing and cross-filing information by hand or in overly structured data fields. **SuperFile** lists at \$195. Central's price is \$145. Order today.

Stop Tearing Up Your Disk Drives

If you're using your Kaypro as a printer buffer instead of a computer, you may be tearing up your disk drives. Disk drives are mechanical devices, they are often the first parts of a computer to go sour. No wonder. Everytime you feed your printer a file, the drives whirl madly until the printer has accepted the entire file. Sometimes this takes a long, long time.

If you're tired of hearing your disk drives grind down, you need a printer buffer. The best performance and price buffer on the market is the **Consolink MicroSpooler**. This computer-like tool absorbs files as fast as your computer can send them, and then patiently feeds or spools them to your printer a few bytes at a time.

The **MicroSpooler** is an intelligent, feature-packed buffer. It is easy to install and operate. Merely place it between your computer and printer, then connect it with two cables, and feed files as large as 64K within seconds to your letter quality or dot matrix printer. The instant the transfer is complete, you can operate your computer again. The **MicroSpooler** does the rest.

The **MicroSpooler** comes in a variety of configurations. You can link your Kaypro to any popular printer with two inexpensive cables. Please check our low **MicroSpooler** prices. You won't find a more feature-packed or reasonably priced spooler around. Try the **MicroSpooler** of your choice for 15 days. If you are not completely satisfied with your purchase, return it for an immediate full refund. Your Kaypro deserves this attractive and useful accessory. Order a compact and powerful **MicroSpooler** for your computer today. Works with all model computers.

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The Kaypro can dump a file faster than a printer can accept it. This device will catch the file, quiet the disk drives, and let you compute again.



Photo:
MicroSpooler
64 K P-P

CONSOLINK MICROSPOOLERS

Description	List	Price
64 K P-P	\$315.00	\$279.95
64 K P-S	\$343.00	\$299.95
64 K S-S	\$349.00	\$299.95
64 K S-P	\$339.00	\$294.95
Two Cables	\$ 56.00	\$ 29.00

64 K Stores and spools files as large as 64 K.
P-P Parallel Kaypro port to parallel printer port.
P-S Parallel Kaypro port to serial printer port.
S-S Serial Kaypro port to serial printer port.
S-P Serial Kaypro port to parallel printer port.
Cables Set includes one special male to female connector and one male-male connector.
*Please tell us model and type of printer you're connecting to your computer.

Includes these unique features:

- Status digital readout
- Multiple copy function
- Temporary pause function
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- Comprehensive self test routine
- Slimline attractive casing
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Multiplan	software. Fast results.	\$ 75.00	\$ 57.00
Wordstar		\$ 75.00	\$ 57.00

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Free form textual matter database managers — Index material spread over 255 diskettes			

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Witness		\$ 39.95	\$ 37.00
Zork I		\$ 39.95	\$ 37.00
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Eureka, Disk Cataloger		\$ 50.00	\$ 48.00
helps you find the right file instantly			

MICROSOFT			
MBasic Compiler		\$395.00	\$299.00
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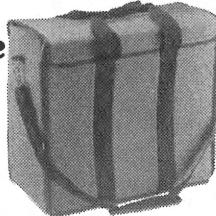
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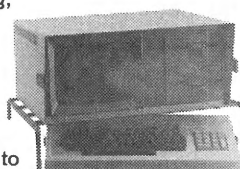
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Central Computer Products

Electra-Find

by Arlene Smith

A glaring weakness in CP/M has limited us to a maximum of 11 characters (including the extension) for naming a file. How descriptive can you be in that length? If you create a bunch of little files all referring to different aspects of a project, be it a novel or a program, how many variations on a theme can you have? Sooner or later, you realize that somewhere in that jumble of file names resides the most critical information of your current work session, but you don't remember where you put it.

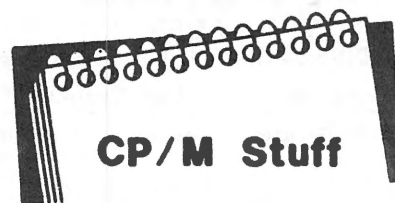
You can go poking, one at a time, through this myriad of files and hope you find what you need while you still remember what you needed it for, or you can use Electra-Find. Give Electra-Find a word or phrase, tell it what files you want (or don't want) searched, tell it where to put the results of the search, and then let-er-rip.

You can search ASCII files, dBASE II files, computer programs, Perfect Writer files. You can search for words or phrases, sentences or paragraphs, exact matches or phonetic matches, exact and inexact numbers.

You can display the results on the screen or save them to a file. You can add search results to an existing search file or create a new one. The files can be edited with your word processor, if you desire. You can search a single file, all the files on one disk or all the disks you own with one set of instructions. You can even stop a search already under way if you change your mind or discover an error in your construction of the search parameters.

Combine all that speed and power with ease of use (helped greatly by a decent manual and on-screen help all the way through the program) and a low cost non-copy protected program, and you have a package that will make you wonder, "How did I get along without Electra-Find?"

ELECTRA-FIND, \$50 from O'Neill Software, P.O. Box 26111, San Francisco, CA 94126.



In previous issues we discussed the different ways to use CP/M as a method to type directly to the printer. (Remember LST:=CRT: or PIP LST:=<filename>?)

Wouldn't it be even nicer if we could save <filename> to disk and use it over and over again? Well, let's do it.

Place your CP/M disk in A and your blank formatted disk in B. Warm boot (Ctrl-C) and at the A> prompt type:

```
PIP B:TEST.DOC = CRT:
```

The cursor will go to the next line and wait for your input. Start typing your name and address, and when you come to the end of the line press the LINE FEED key and then the RETURN key. Don't worry if you make an error. You can use the backspace and make the correction. However, corrections can be made only on the current line. You cannot go back to a previous line.

When you have finished typing your name and address, use the LINE FEED and RETURN again. Then at the blank line press Ctrl-Z.

At the A> type DIR B:. There should be a file named TEST.DOC, but just to be sure type TYPE TEST.DOC. Now you can send this file to the printer or you can work on it later with your word processor.

You can type as many lines as the disk will hold, but remember you can make corrections only on the current line. Does this give you any ideas? Why not use this method to set up a memo pad that can be used at any time as long as you're using CP/M and you have PIP.COM on your disk?

In the next issue we will show you how to use this method to set up a menu-driven program using only PIP.COM and SUBMIT.COM from your CP/M disk.

In Response ...



...ASCII files created under CP/M can be read by MS-DOS (and vice versa). These include, among others, data files and dBASE II procedures.

...You can use single sided disks in your double sided drives. When you format the disks and you get no messages about bad tracks/sectors, the disk can be used with no problem.

...An easier way to prepare a data file for use with MailMerge is to set up the data using InfoStar. Then you don't have to keep track of the commas to separate fields — InfoStar will do it for you.

...The command Ctrl-R, which is not displayed on the WordStar opening menu, will reopen the last file you used in the current session.

...To upgrade a Kaypro II, think about adding an external hard drive. It gives you extensive storage, and, because of the way it is partitioned internally, you get the equivalent of up to 5 drives. It also allows you to retain the enormous flexibility of the two floppy drives you already have.

...Although we try to answer mail promptly, we frequently have more mail than we have time. Thanks for your patience and your wonderful sense of humor despite your frustration in handling the problems you write to us about.

...If you're contemplating surprising a college-bound prodigy with a Kaypro, don't wait until the week before he/she leaves for school. Any problems with the machine should be fixed, and the machine learned, before the first paper is due.

...Ashton-Tate requests users of dBASE II 2.43 to discontinue use of that version and revert to an older version. There is an error that can lead to incorrect reporting and loss of data. Return your master disk to your dealer.

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KAYPRO Upgrading

By: Gregg Platt - PeopleTalk Associates

A few issues ago we talked briefly about the difficulty of selecting a database program. This can be an especially tough problem for the non-technical Kaypro user partly because there are many different databases of widely varying capacities available for our machines and partly due to the fact that many database programs tend to serve a narrow spectrum of needs quite well, but prove entirely inadequate for users whose requirements are beyond their design objectives.

Though "common sense" can be applied to selecting the right tool for the job when the problems involved are in the realm of our experience (after all, how many of us would try using a Volkswagon Beetle to pull a 40 foot travel trailer?), the old common sense yard stick begins to fail us when we try to apply it to something as unfamiliar as computer software.

To clarify this, consider the old Perfect Filer as a case in point. For many Kaypro users Filer seemed at first to be an adequate mailing list manager. And indeed, so long as our needs did not include combining and comparing data from other databases, importing data from existing data files, or built-in math capabilities, Filer served us well.

But there came a point when many of us outgrew Filer — some of us left because we needed better reporting and math capabilities, while others jumped ship seeking stronger data manipulation and query tools or searching for a program that could store and manipulate large blocks of text. At PeopleTalk we needed a database which we could use to build a transaction processing system. Our goal was to reduce entry, editing, pricing, and invoicing of orders to a single-step process with shipping reports, accounting reports, and inventory updates being a flow thru by-product of order entry.

To make matters more interesting, we wanted our completed office system to run in 48k of memory on a 64k CP/M Kaypro which would in turn be tied to a local area network of several other CP/M machines.

That's a bit like looking for an '85 car with the performance of a Ferrari, the luxury of a Cadillac, the mpg of a diesel Rabbit, the space and comfort of a fully equipped AirStream, and the price tag of a '67 Chevy.

Our experience told us that these requirements presented a pretty tall order for any database package especially one that would run on a micro. In fact, we'd seen few mainframe packages which could meet our requirements.

Imagine our surprise when we realized that the package best suited to our needs was the DataStar package that came with our '84 Kaypros. DataStar combined with SuperSort and ReportStar is one of the most complete application development tools we've seen on a CP/M system.

Though MicroPro's documentation does a woefully inadequate job of describing the talents of this package, the capabilities of DataStar — and the hidden power of ReportStar (more on this in a future issue) — are actually quite impressive. Using these programs we managed (in about three weeks time) to develop a complete system for the PeopleTalk offices which includes an order entry system that looks up address information from our customer master file, finds prices for seven different type of customers from a 10,000 record price file, validates such items as shipment method and payment terms, and completely prices each order ready to print a final invoice in less than 3 seconds! At the end of each day, we feed the same invoice information to ReportStar (through a CP/M SUBMIT string) which processes the data through a series of specialized "report runs" and head for home while our 10 spends the next 4 - 5 hours printing everything from shipping labels to inventory, accounting and sales reports.

If you haven't yet discovered the power built into InfoStar, we think you'll be pleasantly surprised at what this program can do. See your Kaypro documentation, your user group or PeopleTalk's new All Star Guide for details.

Oh, by the way, our 10 hasn't yet figured out that it's really doing a mainframe's work on a micro budget; and we're not telling it so either!

We Explain Software Packages, Then We Teach You How To Use Them. **User's Guide** is the Magazine of Tutorials.

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Editors Tony Bove and Cheryl Rhodes are the acclaimed writers of several computer books on CP/M and WordStar. Contributing editors and columnists include other great writers who use computers extensively, such as Arthur Naiman, Steve Rosenthal, Jonathan Sachs and Kelly Smith. The writing is crisp, intelligent and informative, without an overuse of jargon.

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Well, here we are at the doorstep of a new operating system for all the NEW 16 bit Kaypro computers. If you have been using CP/M, this "stuff" will let you do more with the knowledge you already have. If not, this column will get you into using MS-DOS quickly.

MS-DOS stands for MicroSoft-Disk Operating System. So much for the credits. From this point on, we will call MS-DOS, DOS. Is DOS O.K. with you?

Although you may see the similarity between DOS and CP/M, we will not use any comparisons. This is for the benefit of the new Kaypro DOS user.

DOS contains many files and programs. Many of them are seen when you call for a DIR (DIRectory). These are called "external." However, there are many important ones that you cannot see. These are called "internal." DIR is just one of them. The others are; BREAK, CHDIR, CLS, COPY, CTTY, DATE, DEL, ECHO, EXIT, FOR, GOTO, IF, MKDIR, PATH, PAUSE, PAUSE, PROMPT, REM, REN, RMDIR, SET, SHIFT, TIME, TYPE, VER, VERIFY and VOL.

WOW! That seems like a lot to learn and you can't even see them on the directory. Don't be concerned. Most of these will be used very often and the others will be explained as we go along.

In fact, you have already used DIR, but let's put some new twists to it.

Place your DOS disk in drive 1. (Since some computers come with one floppy and some with two, the drive names are different. That's why we will call the primary floppy drive 1. 2 will be either drive a:, b: or c:.) Type DIR. How do you get to see the files that scrolled off the screen? Try DIR/W. The /W is called a switch. There are two switches for DIR. The other is /P. Now try DIR/P. Isn't that a lot better?

WORDSTAR by Chiang

BASIC SEARCH AND REPLACE

This issue we go back to more basic things. Brand new users out there might be interested in knowing something about WordStar's search and replace functions.

The command Ctrl-Q F is the Find function. You are prompted for a string, up to 30 characters long, and then asked if you want any options (more about those later). Press Return for no options, and the cursor will jump to the first occurrence of your string. Simple enough. Ctrl-L means to repeat the last Find or Search/Replace command; entering it will move the cursor to the next occurrence of your string.

Ctrl-Q A is Search and Replace. It prompts you for a string and then asks you for a replacement string. After entering that, you can press Return to skip the options. The cursor will then jump to the first occurrence of the requested string and ask you "REPLACE (Y/N)?" with the cursor jumping between the string and the corner of the screen. Type "Y" and the new string is inserted in the old one's place; if it's the wrong context for a replacement, type "N." Ctrl-L repeats this operation as well, searching for the next occurrence of the given string in your file.

Now, why might one want to find a certain word in a file, or replace a word? For example, if you have a tendency to use the word "furthermore" too often in your writing, you can go to each instance you used it and perhaps put another word in for variety. You can also search for quotes ("), or printer control codes like ^B (entered directly, without ^P), to make sure you paired them. (However, you can't search for ^S; it acts as a backspace.) Or, if you want to go over what you said when referring to a particular event or date, you can jump to that passage by searching for some key word. The Find function is largely just for you to check things; it merely points, instead of actually doing.

Search and replace is much more useful.

A simple application might be if you're always mistyping a certain word, or you realize you've misspelled it after using it throughout twenty pages. You can go through your file and fix everything by putting in the correct word. Search and replace also allows simple form letters, if you don't have to do a giant mass mailing, and you don't want to go through the trouble of Mailmerge. You can write a master letter using a character like "*" throughout for the name of an individual; then you read it into new files and customize it with the actual name every time you need another copy.

The options offered are mainly for use with search and replace. They are options "g" for "global," and "n" for "no approval." Entering "g" will make the cursor go to each occurrence of your string in the file, without your having to enter Ctrl-L to search for the next one. Option "n" eliminates the prompt asking you if you want the string replaced; it is done automatically. These two options are often used together, making WordStar zip through your file, making mass replacements like lightning. WARNING: these two together are very dangerous unless you know what you're doing. To start out, try them only on a copy of a file, as an experiment.

One application for the search and replace is to avoid repetitive typing. If you know you'll have to use a lengthy phrase repeatedly through a document, you can enter it with a simple Ctrl-L. When WordStar asks for the search string, just enter a <CR>; for the replace string, enter the phrase you'll be needing. For an option, enter "n" for "no approval." Searching for a null string just finds the current cursor position. Then, whenever you're typing and you have to enter that word, just type Ctrl-L, and it will appear right where you are in the file.

One problem with this is that WordStar's search and replace doesn't recognize anything - a string, or the cursor - at the very end of the file. So if you're typing new text with INSERT OFF, the cursor will always be at the end of the growing file, and this trick above won't work. You'll have to keep INSERT ON, with a space leading your cursor the entire time.

Starwares

Many of us received at least some of the MicroPro software when we purchased our Kaypros. It's our mission to explore this strange new software, to seek out new techniques and new applications, to boldly go where few people have gone before.

The briefing done, let's go at warp speed into the MicroPro-Kaypro universe and map the stars in this firmament.

WORDSTAR is the supernova of the galaxy. If you've never tried it, you might want to now, since many of its commands have been "borrowed" by other programs. Its power and flexibility are legendary.

MAILMERGE can take information from various locations and insert it into **WORDSTAR** documents for special printing tasks.

INFOSTAR includes **DATASTAR**, a file management program, and **REPORTSTAR**, a report generator for **DATASTAR** and other ASCII files (files that contain readable characters). **DATASTAR** files can be prepared for use by **MAILMERGE**.

CALCSTAR is a spreadsheet that enables horizontal and vertical calculations.

SUPERSORT is a high-power program that will rapidly sort **DATASTAR** and other files in any field order you choose.

STARBURST is a menu generator. You can build procedures that perform a task the same way every time. (At present, it is distributed only with the Kaypro 16 bit machines. A CP/M version is available separately.)

We'll scan all of these stars and inhabit all of their planets with landing parties. We'll start next time with an exploration of **DATASTAR**. We'll start to build a protected compound with **FORMGEN** that will be populated with a new file.

Send your related comments, etc., to:

STARWARES, c/o KUG, Box 100, Malverne, NY 11565.

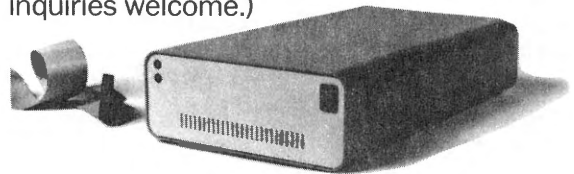
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- #109 UTILITIES 2
- #110 POSTER PRINTOUTS (Pictures)
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- #112 HELP PERFECT, SBASIC, Etc. (Helps 2)
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- #115 STAR TREK + 15 MBASIC GAMES
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- #134 STATISTICS 3
- #135 STATISTICS 4
- #136 STATISTICS 5
- #137 STATISTICS 6
- #138 FRANKENSTEIN (Game)
- #139 LITTLE BLACK BOOK (MBasic update)
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- * #154 UTILITIES IN PASCAL
- * #155 TELE/DEVICE/DEAF (Modem)
- * #156 MEX II (Modem)

* New contributions

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.

#150—Money Management: Calculate yield to maturity of bonds or the price to pay given the yield and number of years. Loan analyzer. Typewriter, calculator and checkbook register program. Readability index program. Determine present market value per share of mutual funds.

#151—Outline: Menu-prompted program for creating outlines to organize notes. Includes detailed documentation [in outline form, of course].

#152—Super Labels Program: A variety of programs, most for use with the Epson FX-80. Users can define their own character fonts, including science and math symbols and foreign language characters. Program to configure Mannesman-Tally to PW ver. 1.20.

#153—Flight Fantasy: Flight simulator for Kaypro II. Ecomodel, an ecological war game featuring sharks and fish.

#154—Utilities in Pascal: Numbers programs, label programs, pictures of heart and Christmas tree. Files to set NEC8023P and Okidata 82 printers for label program.

#155—Tele/Device/Deaf: Modem program to use Kaypro II as a telecommunications device for the deaf using an acoustic coupler designed for Deaf TTY's. Documentation includes detailed drawings.

#156—MexII: The Modem EXecutive, with complete User's Guide.

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 I.D. number.

National KUG Disks

DISK 138: FRANKENSTEIN

This is a giant MBasic game, a long simulation of the creation of Frankenstein's monster, with you as the scientist. From the menu program "FRINTRO.BAS" you can receive instructions and enter the game. You then do everything, from uncovering the secret notebooks, to all the steps of creating the monster, to battling the angry villagers (with the aid of Igor). You gather and lose points, while avoiding death. The game is largely question driven, with some real thinking, a little trivia, and some random guessing involved. There are mainly humorous text screens, but also a few graphics screens and simple video game sequences.

DISK 139: LITTLE BLACK BOOK UPDATE

A revised version of the SBasic program on Disk #114, a computerized Rolodex by Thomas Mierau. This one, version 2.2, is written in MBasic. As before, it is an easy to use program for keeping an address book or list of phone numbers. It is menu driven, and a movable pointer leads you through a directory listing. You have a record (expanded from the first version) for information on each entry. The program is able to make labels or print a sorted listing.

DISK 140: FILE CARD DATABASE

A database program written in Turbo Pascal (no source code included) by Thomas Mierau. The menu allows you to create a new database, add records, access records, or search by a keyword. Each record fits on a file card for printing. Four keywords and ten lines of textual information are allowed. A simple text editor is used to enter data. The program is menu- and question-driven and easy to use.

DISK 141: K10 HARD DISK UTILITES

These utilities can be used with external hard disks as well. BACKUP.COM; BACKUP.DOC: Backs up your hard disk onto a series of floppy disks, sorting them alphabetically for each filetype.

Will print a directory listing. Eliminates duplicates and unnecessary files, allows copying of entire filetypes or specific files, and asks for a three-digit ID number to identify each disk.

BIGBURST.COM; BIGBURST.DOC: Backs up and restores files larger than the storage capacity of a single floppy. Prompts for each disk, and numbers the disks so they are restored in the correct order. Creates .BAK file on hard disk during restore. FLASH.BAS: MBasic program providing a simple arithmetic drill. Utilizes video capabilities of a Kaypro 10 (or 84 machine).

FLOPCOPY.COM; FLOPCOPY.DOC: Backs up a floppy disk. Uses the hard disk as a buffer for the files. Can create multiple copies. LSQ.COM: A Least Square curve-fitting program. Will take a number of data points and compute a line to fit them, giving slope, intercept, and error. Can print table of data.

MAKE.COM; MOVE.COM: Programs to move files from one user number to another (not by recopying, but by changing bytes in the disk directory entry). MAKE allows you to specify the user area where the files are, while MOVE assumes the current user number.

MDIR.COM: Shows the entire disk directory, alphabetized, for all user areas. MULTCOPY.COM; MULTCOPY.DOC: A convenient replacement for PIP when transferring multiple files from the hard disk to several floppy disks. It prompts for changing the disk.

SWEEP.COM; SWEEP38.DOC: Disk file maintenance utility, giving you an alphabetical circular directory, and allowing viewing, renaming, deleting, copying, and other file operations. U.COM: Logs you into a different user area and drive. UNSQ.COM: Converts a file in compressed form back into readable form. Accepts ambiguous file names.

(continued)

Sysop's Corner

By Frank Fallon

One of the questions I see on many systems is: Where can I find a list of RCP/Ms to download from? Well, that's an easy one. All you need do is find one local RCP/M and check in and download the file titled PDSE-063.LQT. The file is also available on the Kaypro SIG on CompuServe (GO PCS 25) in the DL 0 database already broken into regional sections for easier/less expensive downloading. By the time you read this it may have been updated to a number past 63. This is quite a long file, 40K, in squeezed form and is the work of three sysops - Steve Sanders, Jud Newell and Kim Levitt. They produce a revised list each month which will print out to some 23 pages and list all known systems which support downloading of public domain software. The list now includes PC/MS-DOS, Unix and other non-CP/M systems. You will note that more and more of the systems are pay or subscription systems. This is the coming trend in RCP/Ms as there is more and more demand and sysops find the financial burden simply too great to go it alone.

Once you have downloaded PDSE-06#.LQT using XMODEM (we covered that procedure in past columns, you will have to "unsqueeze" the file. To do this you will need USQ120.COM or a similar program. PIP USQ and PDSE onto a disk and place it in your A drive. Then place a blank formatted disk in the B drive. Log into the B drive and enter A:USQ120 PDSE-06#.LQT <cr> to begin the "unsqueezing" of the program which will be copied to the B drive where there is plenty of room for the 60K file that will result. When the process is complete you will have PDSE-06#.LST which you will be able to TYPE to your console or screen.

Now that you have the list you are ready to run up a BIG phone bill. I would advise you to look into AT&T's "Reach Out America" program for out of state calls in off-peak hours. At \$10.50 per hour it is about the best buy around. You should, of course, be using 1200 baud or more on long distance calls.

Once into downloading on any scale you quickly become disenchanted with 300 and find that more and more systems are employing clocks and time limits which make it impossible for 300 baud users to download large files. If you are reading this before you have purchased a modem, please do yourself a very large favor and hold out for a 1200 baud modem. The extra \$100 or so you will spend will quickly be made up in savings on long distance rates, to say nothing of time saved. The way to go is 1200 baud or faster. There are already almost 100 systems which allow access at 2400 bps and that number will grow quickly.

Here is short list of some RCP/Ms that have free access and Kaypro specific programs. Sorry if we missed your favorite.

MBBS RCP/M (Kim Levitt)....	(213)	653-6398
Mount Thunder RCP/M RBBS...	(203)	445-5663
FOG RBBS-RCP/M #29.....	(617)	288-4667
LIKUG MBBS/RCP/M	(516)	825-8465
CURA #1	(718)	625-5931
CURA #3 NYKUG.....	(718)	624-9148
KUGNJ1 RBBS passw=KUGNJ1...	(201)	291-8319
PENsula KUG RBBS.....	(804)	838 1645
FOG RBBS-RCP/M #14	(217)	344-4032
Smokin' Silicon RCP/M	(312)	941-0049
West Side D:KUG RCP/M-MBBS.	(313)	553-9274
Grand Traverse RCP/M	(616)	947-1264
KAY-PER NET	(816)	734-2717
FOG RBBS-RCP/M #20	(813)	788-6515
Kaypro TPBBS	(404)	923-2580
KAY*FOG RBBS-RCP/M #11	(415)	285-2687
MicroBBS MSDOS & RCP/M	(213)	598-8495
NBS RCP/M	(818)	764 6166
Lost Dutchman #2 RCP/M RBBS	(602)	863-1435

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We can't wait for those cards and letters to arrive!!!

Best of KUGBB

To update an entry in Perfect Filer: 1) call up the "filer" program; 2) work past the date query; 3) select: Access Individual Members; 4) select: Review/Update Existing Member; 5) enter first 4 characters of first field in entry you wish to revise; 6) if the form displayed isn't the one you are looking for, type Ctrl-O; 7) make needed changes; 8) type Ctrl-E.

The "Display Primary Selection Criteria" option is part of the process of creating a subset. Subsets are used in the selection of members of the data base to be included in a list, report, or mailing. You cannot use a subset to change the data base directly. You might use a subset to get a list of entries you want to change. For example, you could put the date of the entries you want to change in the subset's date template. Then produce a list of the entries in that subset. The Ctrl-C command is only used when you are entering items into the data base. If you type Ctrl-C, the field holding your cursor repeats the data listed in the matching field of your previous entry.

—Blair Bolles

You should be able to achieve one and a half line spacing by setting the PW default style parameter with the PFCONFIG program. From the PFCONFIG menu select #3 "Perfect Writer default style parameters," then select #7 "Line spacing in 1/10ths" and set at 15. (Depending on the quirks of your printer, 16 might work if 15 does not.)

—Dan Lewis

To do graphics in BASIC, you need to know how to position the cursor on the screen (send it to a specific place; move it around), and how to print individual graphics characters. You should find the specific codes for these in your Kaypro Users Guide (NOT in the BASIC manual). To print a character, use the CHR\$ function in BASIC. For example, a backspace is character #8; to move the cursor backwards in BASIC use the statement: PRINT CHR\$(8); (the semicolon after a PRINT statement keeps the cursor where you put it). You can make this easier by giving the characters mnemonic names.

For example, LET BACK\$=CHR\$(8) early in your program. Then to move backwards, PRINT BACK\$. This way you don't have to remember the numbers.

—Bob Bruner

The article in KUGRAM Vol. 2 no. 6 neglected to mention that you can print a file with WordStar using all default values by simply pressing <ESC> after the first prompt following "P."

—Stan Modjesky

You can clear the screen in CP/M 2.2E by typing SAVE 0 CLEAR at the CP/M prompt. From then on, all you have to do is type TYPE CLEAR and the screen will be cleared and the cursor will return to the HOME position. If you look at your directory, you will see a file called CLEAR occupying 0K on your disk.

—Doug Margolis

To boldface in BASIC and many other languages, you just print the line followed by a carriage return (character #13, decimal), followed by the line again. In BASIC, be sure to use the semicolons, LPRINT A\$;CHR\$(13);A\$. The carriage return character causes the printhead to move back to the beginning of the line without moving the paper up at all. So the end effect is that you print the line a second time right on top of the first one, hence boldface. If you just want to boldface a single character, use the same technique, LPRINT "X";CHR\$(8);"X".

—Aaron Contorer

Three possible ways of duplicating text in PW are:

1) Mark the region, then copy it (ESC... <space>, ESC...W). Then use YANKBACK, Ctrl-Y, as often as you wish. No particular limit on size, but the delete buffer can hold only one thing at a time.

2) Put the desired texts into separate little files, preferably with mnemonic names. Then use INSERT FILE, Ctrl-X I, whenever desired. This lets you save as many phrases, etc., as you want permanently.

3) Key definition programs, such as SmartKey, can be used.

—Bob Bruner

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