

AS THE (SOFTWARE) WORLD TURNS.

As of August first, Kaypro Computers have included some new software with their Kaypro 4 and the Kaypro 10. They are as follows:

KAYPRO 4

- Wordstar
- Microplan
- The Word Plus
- MBasic
- CBasic
- SBasic

KAYPRO 10

- Wordstar
- Microplan
- The Word Plus
- MBasic
- CBasic
- SBasic
- Superterm

The Kaypro II now comes with a choice of either Wordstar or The Perfect Software set along with The Word Plus and MBasic.

Take all this new software ... add a dash of "old" software such as Select and we've got a "software brew" to elate the most discriminating witch (or warlock).

Before KUGLAND becomes a jungle again, we have decided to add some new features in the newsletter. It seems that our "CP/M Stuff" has helped ease the tensions of the unknowing. Now, with your help, we would like to do the same for MBasic, Wordstar, CBasic and Microplan. If you can write an article for the KUGRAM on any of the above, please send it to us soon. Your fellow KUGGERS will surely appreciate it.

Inside this issue you will find more information regarding other software (in addition to the helps on Perfect Software).

For some time now, we have received articles from members regarding the pros and cons of the Kaypro software. We will continue to publish them in the interest of all. It seems that some members would like to see information on other Word Processors that will run on the Kaypro. That's fine. Send it to us.

Along with the new "bundled" software come new "bundled" problems. The one that concerned you most regarding Perfect Writer was configuring the printer. Now, we have to learn how to do the same for Wordstar and Microplan. We are asking you to let us know how you interfaced your printer with the Kaypro software (see article inside) so that we can publish a separate booklet for all our members.

The new Kaypro software includes three languages ... MBasic, CBasic and the well known SBasic. This means that there will be lots of programs available to run on the Kaypro. If, by chance, you come across some that you have tried, why not send us a review (on disk) so that we can let other KUGGERS know about them. We will return your disk with programs from our library.

Speaking of software, we want to thank all of you who have contributed to the KUG library. Your disks are still being cataloged. If you have not received your disk back with programs on it, let us know and we will send you any disk from our current library list. If you would like to contribute to our library, send us your program(s) on disk and be sure to let us know that it can be offered to our members. Any software that has been copyrighted cannot be used unless it is copyrighted by you and released to KUG.

Something seems to be burning. It must be time to stir the "brew"!!!



Box 100

Thank you for the letter explaining the KUG organization and functions. I am an American feature film director and writer living and working in France and a Kaypro user since last Spring. It's wonderful to know that there are other Kaypro users somewhere out there. Here in France we're rather isolated because Kaypro has not yet been commercialized here.

The only dealer in the country is Jean-Claude, a nice fellow but who, fortunately for me, learned to operate his Kaypro the same time I did. We spent a terrible six months getting it all together. Also, up until now, Jean-Claude had to buy his Kaypros from a Dutch importer who operates out of Belgium. That didn't make things easier. Another thing, Kaypro didn't know that we in Europe have all kinds of strange accents over our letters so somebody had to reinvent the keyboard. Poor Jean-Claude had to pack up his Kaypros and drive up to Belgium (the border guards and customs officials really gave him a bad time probably taking him for some international drug smuggler) to change this and change that.

Meanwhile, Kaypro user Bob Swain (that's me) was getting more and more impatient. Out of frustration, I wrote my friend Peter McWilliams because it's indirectly his fault that I was going through all this suffering because he was the one who got me interested in writing with a computer. Peter immediately sent me all kinds of debugging programs and Lesson disks. That was a tremendous help. Things started to brighten up. Then Jean-Claude finally got a French keyboard (AZERTY) with the necessary accents and we were all set.

The machine worked and I could actually use it. After a couple of weeks I started having fun. In one month I could handle it enough to do the rewrite on the Belmondo picture, Le Marginal. I was impressed. I became one of the converted, a real Kaypro fan, and I'm determined to convert every French writer I know. The crusade has started...

Anyway, it's nice to have new friends. I would be interested in all back issues of your KUG bulletin, all past publications, and anything else you might have available. Also, I would like to know where I can buy such programs as Grammatik, Cleanup/Phrase, or Random House Thesaurus.

Are there serious and responsible mail order houses which discount? How can you tell that these programs will work on a Kaypro?

I've been having some trouble with my drives. Twice they have not been running at the proper speed. Are they fragile? What can cause them to become "out of tune"? (temperature changes, shocks, power fluctuations, travelling?) Does a Kaypro have to be "tuned-up" like a car every several months or so?

BOB SWAIM
11, rue Barbet de Jouy. 75007
Paris, France

P.S. Fellow KUG members may be interested to know that my film La Balance is opening in New York and Los Angeles late this fall. It won three French academy awards this year: Best Picture, Best Actor, And Best Actress. I hope you enjoy it!

* * *

Dear Kug:

A comment about the printer installation instructions in the Perfect Writer manual. Once you have completed the printer installation, the manual does not tell you that it is necessary to copy PF.DAT from the Installation disk to the Edit disk. This is a very serious omission for an inexperienced beginner to come up against. I am surprised that someone else has not brought this to your attention.

Walter W. Fisher
El Paso, Texas 79932

Dear Kuggers:

With the third issue of the KUGram, the direction and the style of this "Official" newsletter seem to be in place and established. Instead of simply reading the useful information, I have decided to participate in sharing some of the information I thought might be useful to the KUGram subscribers.

In response to the article "Serial Printers and Kaypro" by T.E. Coates:

My Kaypro is connected to a Diablo 1620, and I have experienced no difficulty at all. The Perfect Writer does everything the manual says it will do. The RS232 connectors should be wired as following:

Kaypro Diablo 1620

1.....1
2.....3
3.....2
4 4.....*
#.....5.....+ 5.....*
#.....6 6.....*
7.....7
8 8.....*
9 9
20 +.....20

Note: Connect #—#, *—*, +—+ as shown.

[Connection #—# is optional.]

With respect to the letter by Wayne Haisten on the matter of the "PW.SWP" file size: in the installation of printers, one needs the "installation diskette" to configure the Perfect Formatter by using the PFCONFIG program. Kaypro users need not install the Perfect Writer for their terminals as the terminal is an integral part of the computer system. Perfect Software gave Kaypro users two "PW.SWP" file sizes; 33 Kbytes (the Perfect Speller diskette), and 65K (the Perfect Writer "Edit" diskette).

However, many of my manuscripts exceeds 65 Kbytes of the PW.SWP file size. With the assistance of the dealer, and local Perfect Software technical support personnel, I now have a PW.SWP file of 126 Kbytes.

This does present an interesting problem of not able to keep all programs (such as MENU.COM, PW.HLP, etc.) that came with the original Perfect Writer "Edit" diskette as only a total of 196 K can be stored on the Kaypro Double Density diskette format. In order to change the "PW.SWP" file size, one needs a PWCONFIG program which, unfortunately, is not supplied to Kaypro users. Your Kaypro dealer should be able to re-configure the "PW.SWP" file size for you if the dealer has the PWCONFIG.COM program.

One final comment, the new CP/M system operation program should be at your local dealer by now. The old edition did not "STOP" the disk drive after "BOOT" or "SWP" file operation, and one must type in <CONTROL>-G to stop the disk drives. This is very important as the most delicate part of the computer is the disk drive. Constant "ON" or running of the disk drives will shorten the expected life of the disk drives, and therefore should be avoided.

I have enjoyed the newsletters as the information source with respect to Kaypro II and its applications interface. The "CP/M Stuff" is great, keep it coming.

By the way, I do have a question, and hope someone can help me. Under the PW.COM one saves the text by typing <CONTROL>-X, <CONTROL>-S. If the same text is to be saved on a diskette other than the one already in the disk driver, is it possible to do so without getting the R/O error? You can use PIP to do this but you must exit from the PW.COM to CP/M. The STAT command will not let you set the disk drive to ignore the fact that the disk drive door was opened (thereby initializing the R/O error to be displayed) as the diskettes were swapped. I find this safety write-protection an inconvenient feature of CP/M operating system when it comes to save an extra copy of the text.

Pei-Jan Paul Lin
30 W 002 Danbury Drive
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Dear KUG,

Congratulations for your informative efforts to make KAYPRO a useful tool in leisure, business, and science. I wish this newsletter will stay to bridge the gap between the rapid technological advances and the end-users.

In response to one of the questions of Wayne Haisten and Gerald Noonan in Kugram April-May, 1983, pp 3 and 4 it is my pleasure to describe how the swap file on the Perfect Speller diskette can be increased. The procedure mentioned in the update information on page 30 gives a DISK WRITE ERROR. The STAT B:*. * command shows that the old PW.SWP file occupies 33k and the new (temporary) PW.*** file occupies 32k. Page 27 of the same update, which we hopefully all received from the dealer, explains in paragraph J why the size of the PW.SWP file cannot be increased beyond 64k. The PW.SWP file on the Perfect Speller diskette can be increased by first erasing the present swap file and then copying the PW.SWP file from the Perfect Writer diskette onto the Perfect Speller diskette.

Place the CP/M disk in drive A and the Perfect Speller disk in drive B. At the A> prompt type ERA B:PW.SWP. This will erase the PW.SWP file on the disk in drive B. Type PIP and press the return key. The PIP program will load and the * prompt will appear. Remove the CP/M disk from drive A and insert the Perfect Writer disk. Type B:=A:PW.SWP and press the return key. This will copy the swap file from the Perfect Writer edit disk onto the Perfect Speller disk. A control with the STAT B:*. * program from the CP/M disk shows that a PW.SWP file has been copied onto the Perfect Speller disk that takes 65k. A swap file of this size will allow to use Perfect Speller on longer documents which need a larger swap file.

The first exciting weeks trying to get my computer to do the things that are described in the documentations are gone. I begin to wonder how come that erroneous advice is given even in what is supposed to be an update of the original manual. Unfortunately the update does not provide any information about its authorship. An address or a telephone number might help.

As I intend to use the KAYPRO II and my GEMINI 10 printer in Europe I would like to ask KUGRAM readers who have successfully made use of the capacities of the GEMINI 10 to print characters like ae, ue, (umlaut) the question: h o w ?? I FIND IT DIFFICULT TO APPLY MBASIC (as suggested in the Gemini user's guide) WITHOUT INSTRUCTIONS BUT LENGTHY TECHNICAL DESCRIPTIONS GIVEN IN THE KAYPRO MICROSOFT BASIC-80 REFERENCE MANUAL AND USER'S GUIDE!

Novices in the field, eager to learn more about their new companion may be interested in a bibliographic review on Microcomputers by H.A. Gordon, in ONLINE, May 1983, entitled: A guide for reading - selected annotated bibliography for understanding microcomputer hardware, software and peripherals.

Sincerely,

Rolf Danner, J1137 484
Reed Neurological Research Center
710 Westwood Plaza
Los Angeles, Ca 90024

* * *

Dear Editor,

After reading issue number 4, I just had to write giving my thoughts about S-Basic. Reading "MY XMAS PUZZLE" by Alice Peterson I was reminded of why I bought the upgrade to M-Basic. Not only was the documentation for S-Basic poor, but what little there was was very hard if not impossible to understand. No where in the manual did I read about having to do a restore before reading from a data statement. I have yet to figure out how to use the "print using" statement. S-Basic is unlike any other version of basic I have ever used.

S-Basic is Pascal like, so the best thing to do would be to use Pascal. At least Pascal has documentation that makes sense and is understandable.

Norman T. Trzaskowski
7620 N. 17th. Drive
Phoenix, Az. 85021



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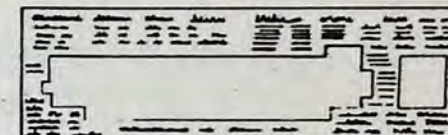


3M Scotch 744D-0 Single Sided Double Density 5 1/4 diskettes are certified error-free, and work like a charm with the Kaypro. These disks are guaranteed to last over 3.5 million passes per track. This means if you rewrote or updated every track on a 3M diskette once per hour, you would have to continue this process for more than 200 years to equal the 3.5 million pass level. The extremely low abrasivity of 3M disks saves wear and tear on your read/write heads. That means less downtime and fewer service calls due to head problems, and better performance from your Kaypro, so you'll be happier. Retail price is \$42 per box of ten. Diskette sale price is 10 disks in the manufacturer's sealed box for \$23.95. Try a box of ten. At this bargain price, please include \$1 postage per box. We guarantee error-free, lifetime performance of 3M diskettes or money back. Stock up today.

Free Your Keyboard

The 18 inches long, 2 inches thick K-Block is a solid wood accessory that allows you to move the keyboard, while it supports the Kaypro computing unit. You can slide the K-Block back and forth under the Kaypro to pick a comfortable screen viewing angle. In addition to freeing the keyboard, the K-Block protects your machine from slipping off its keyboard pedestal, and subsequent costly damage. Non-marring rubber feet on top and under the K-Block prevent ventilation slats from being obstructed, preserve the Kaypro finish, prevent slippage, and protect your desk surface. The K-Block can be used with the Kleertex templates, and our standard size Kaypro dust covers. Please don't use a book or other object to hold up your Kaypro, especially if it obstructs the natural convection ventilation slats under the machine. These slats allow air to flow through the unit. The K-Block does not inhibit this flow of air. Send \$9.95 for one furniture quality, walnut finished K-Block. Free your keyboard, today.

Learn Perfect Commands Super, Super Fast!

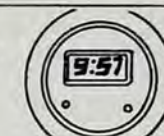


Kleertex Templates are designed to fit snugly on the Kaypro keyboard. These time saving, die cut templates are made from a durable, non-glare plastic, and can be put on the keyboard and lifted off instantly. The text is easy to read. One template lists all the commands for Perfect Writer and Perfect Filer, and another has all the Perfect Calc commands. No more going back to the book to get a two or three keystroke command or format. All the Perfect Software commands and formats are conveniently listed in alphabetical order on the template, within the line of sight, at your fingertips. These templates will help you learn Perfect commands super fast, and make better use of your powerful software. Handy tools. You'll wonder how you got along without them. The templates are a bargain value at \$19.95. If you want both, send \$35 and save. Please specify: Perfect Writer/Filer and/or Perfect Calc template(s) when you order.

New! Anti-Static Vinyl Covers

We now have a good looking, durable, custom designed clear, anti-static, heavy duty vinyl dust cover for your Kaypro. Same design as our fabric Quality Cover, except does not have contrasting piping or trim. However, all seams and edges are superbly machine stitched, for extra strength and long life. Anti-static vinyl Kaypro computer covers, and a large assortment of matching vinyl printer covers are specially priced at \$12.95 each. If you order now, your Kaypro dust cover comes with a free mini stick on clock. A complete list of vinyl printer covers sent with order, or send stamped self-addressed envelop.

Mini-Clock Your Kaypro



This unique mini stick-on LCD digital quartz clock is an excellent, compact companion accessory that fits with room to spare in the space between the screen and the disk drives of the Kaypro, or on disk drive A or B. Stick-on LCD clocks keep accurate time, and are easily mounted. They display the hour and minute, and month and date at 2 second intervals. At the touch of a button, they count off seconds. Buy one or more, or get one free with any fabric or vinyl Kaypro computer dust cover order. Put an attractive and functional digital LCD clock on your Kaypro. Long lasting miniature battery is easily replaced. Please send \$3.99 per clock. Order today.

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Dear Kug,

We would like to express our thanks to you and Michael S. Drooker for the article in the June-July Kugram on "Carrying your Kaypro Overseas". We had no idea that we had to obtain an export license. We received our issue yesterday and called our Department of Commerce. They said that we certainly had to obtain a license (and that the forms would be simple). They also said that if we did not obtain a license that our computer would be confiscated at customs! I am so thankful that we knew beforehand. Imagine how upsetting this whole thing could have been.

Thanks so much again.

Sandra Degen

Dear Sirs:

In response to "Carrying your Kaypro Overseas", Vol. 1., NO. 4, there is another, less time-consuming method of making your portable Kaypro "truly portable". The alternative to an Export License is an ATA Carnet. This document may be obtained through the United States Council for International Business, 1212 Ave. of the Americas, New York, N.Y. 10036, Tel: 354-4480; 100 California St., San Francisco, Ca. 94111, Tel: 956-3356; 3345 Wilshire Blvd., Los Angeles, Ca., 90010, Tel: 386-0767, or 1900 East Golf Rd., Schaumburg, Il. 60195, Tel: 490-9696. Applications forms may also be obtained from the same source.

To apply one must submit the application, a non-returnable fee of (in this case) \$100.00, a security deposit equal to 40% of the value of the unit, together with a list of the countries you intend to visit. Processing takes approximately two weeks and, in some instances, even less. In return, you will receive a document containing "vouchers" for each country listed in the application. As you pass through each foreign port, customs officials will remove one "in" voucher upon entry and one "out" voucher upon exit.

Once your travels are completed and you are back in the U.S., return the Carnet to the issuing office and your deposit will be refunded within four to six weeks PROVIDED all documentation is in order. The "life" of the Carnet is one year. If it is not returned within that, the deposit is forfeited.

Any queries— a call to any of the numbers listed above will assist.

Good luck!

Beryl Sheehan
Operations Manager
COMBYTE, INC.
Alexandria, Va.

Foreign Character Keyboards

All models of Kaypro portable personal computers are now available with foreign character keyboards for use overseas and in the United States.

At present, Kaypro computers are available with keyboards capable of running programs in French, German and Spanish. Within a short time, the company says, machines will also be available for operation in Swedish, Danish, Norwegian, Italian, and Portuguese.

The machines, which are available on special order from all Kayprodealers in the United States, and which will be stocked as regular inventory by Kaypro dealers in countries where such languages are dominant, can be used for word processing and all other programming applications.

Prices for foreign-language keyboard units will be slightly higher than for English-character keyboard units; \$1745 for the 64K Kaypro II, \$2145 for the 788K Kaypro 4 and \$2945 for the 10-MByte hard disk Kaypro 10.

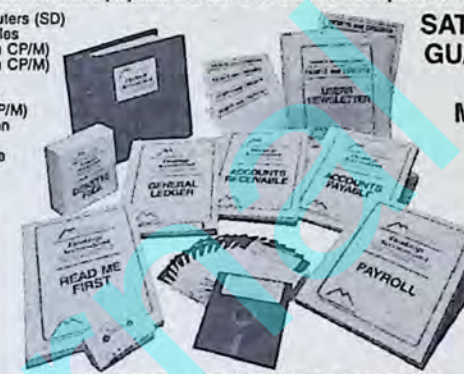
For further information on Kaypro computers with foreign character keyboards, write to Kaypro Corporation, 533 Stevens Ave., Solana Beach, Ca. 92075

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System Requirements: Either CP/M® or MS-DOS (PC-DOS) • Microsoft BASIC • 64K RAM • Two disk drives or hard disk • 132 column wide carriage printer, or an 8 1/2" x 11" printer with compressed print mode (an Epson MX-80 or similar printer).

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Dear Sirs:

As an accountant, I use Perfect Calc quite a bit on my Kaypro. I find that it saves me a lot of time in performing analytical work. However, the location of the plus [+] key above the equal sign on the keyboard is very inconvenient in using the spreadsheet.

Fortunately, there is a solution to this problem. On the CP/M disk that comes with the system is a program called "CONFIG.COM." This program can be used to re-program the keys on the number keypad and the four directional arrow keys (as well as reset the machine's Baud rate and other functions). I used this program to set the comma key on the number keypad to produce a plus sign when pushed.

The procedure to do this is pretty easy, although it may sound complicated. First, make a backup copy of your Perfect Calc Diskette, just in case something goes wrong. Next, insert your CP/M diskette in the "A" Drive, and your Perfect Calc diskette in the "B" Drive. Perform a warm boot, and then type in a "4". This will select option four, "Numerical Keypad Definitions". When this part of the program appears on the screen, type in a "2". This will select option two, "Change the Numerical Keypad Settings". A representation of the numerical keypad will appear on the screen. Hit the "line feed" key until the cursor is on the comma (when the cursor is on the comma, the "2C" under the "," flashes). When the "2C" is flashing, type in "2B" ("2C" is hexadecimal code for a comma, and "2B" is hexadecimal code for a plus sign).

Next, hit the "ESC" key. Hit the "ESC" key again. Hit the "ESC" key a third time. The "CONFIG" program will reset the diskette in the "B" Drive so that the comma key on the keypad will type a plus sign.

You must perform a COLD boot before you use the diskette. A warm boot will "remember" the previous diskette's keyboard configuration.

Michael A. Warner, C.P.A.
Portsmouth, Va.

Dear Sirs:

In reference to the letter about "sleeping" Perfect Calc programs (June-July issue), I can offer the following solution:

Perfect Calc files are stored as ASCII files, one entry or command to a line, and can be readily edited with Perfect Writer. Control codes can be inserted in the data file to override the defaults. Thus, to overcome the problem of forward referencing in a column calculated spreadsheet try the following:

1) Enter the spreadsheet into Perfect Calc.

2) Use Perfect Writer to edit the spreadsheet data file.

3) At the top of the data file, insert the desired command e.g. al:/mc (calculate by columns) where,

> = Go To
al = entry coordinates
: = end of entry coordinates
/ = control -X (or Escape)
/mc = CHANGE RECALCULATION MODE -
recalculate formulas by columns

4) Save modified data file

5) Call up Perfect Calc spreadsheet and verify the change, e.g. check the STATUS to confirm that calculations are by column.

An additional note about using forward references. If you haven't already noticed, you may have to recalculate the spreadsheet five or six times to arrive at the correct calculations. Usually a bottomline figure can be watched during each calculation and once it ceases to fluctuate the iterative can be considered complete.

My question is: Why doesn't the REPEAT command (CTRL-U) work with the recalculation request command ['!' in manual recalculation mode]?

Richard L. Mead
16A Saratoga Ct.
Latham, N.Y. 12110

Gentlemen:

I agree with KUGGER Alice Petersen (June-July issue) that the SBASIC manual is virtually useless when it comes to trying to figure out the meaning of the error messages that appear in programs during compilation. Herewith I offer some of the ones I made in my first few weeks of programming, in the hope that they'll save someone else a lot of panic.

First of all, you must leave at least one blank line after the last statement in your program. In other words, before saving your program to disk and exiting Perfect Writer, type the RETURN key a couple of times after typing your final line. If you do not do this, not only will your program not compile, but you will also see dozens of error messages scattered everywhere in your program as it compiles, even though there's nothing wrong with your program per se. Oddly enough, this crucial procedure is not mentioned anywhere in the SBASIC manual.

Initialization of variables (that is, the procedure of setting numerical variables equal to zero near the beginning of the program) is also important. Technically it isn't necessary for variables that will later be supplied in response to an INPUT statement, those used in a FOR-TO-NEXT statement, or those that will later be set equal to other initialized variables or formulas using them. Just the same, I've found it a good idea to set all numerical variables equal to zero near the beginning of a program. This will prevent error messages resulting from the use of variables you forgot to initialize.

Another important thing to remember is to declare all variable types at or near the beginning of your program. This is the procedure described beginning on page 14 of the SBASIC manual. If you're like me, you will often make revisions of a successful program. If you introduce new variables into a program and forget to add them to your previously-written VAR statements, your revised program will not compile, even if you did remember to initialize the new variables.

[continued]

Finally, one other suggestion I hesitate to put anywhere but last: if, when you try to compile your program, one particular line keeps showing an error message and you feel certain there is nothing wrong with the line, you might try returning to Perfect Writer, deleting the offending line, and retyping it with a slight modification (perhaps changing the line number, or putting parentheses around an equation). Then save the program to disk and compile it again. As crazy as this procedure sounds, it has worked for me three times in the past four months!

By all means, one should read the manual before attempting to use SBASIC. But the manual is so badly written and poorly organized that it's impossible to master the language's features except by that time-honored technique, experience. So don't be discouraged by those cryptic error messages. Practice, learn, and enjoy!

Darryl Edmonds
114-12 201st St.
St. Albans, N.Y. 11412

* * *

Gentlemen:

It is nice to know that other people have some of the same problems that I do. It is even nicer to find that other people have already solved the problems that I have encountered. The TIP from Wayne Haisten on changing the console printer to FILE was excellent. I am a graduate student and the ability to format and print to the screen saves a lot of paper.

Since many of the papers I write use the same format, I save time by typing the standard format commands that I use and saving them under the name "FORMAT.MSS" along with an @BEGIN(TEXT) a few blank lines and then an @END(TEXT). When I have to "do" a paper all I do is call up "FORMAT.MSS" and type between the environment commands. In order to save the paper I do a Ctrl-X, Ctrl-W and then give it an appropriate name and the FORMAT.MSS is still available for use. This procedure is also valuable for "pre-formatting" memos and letters.

RICHARD J. MC GUCKIN

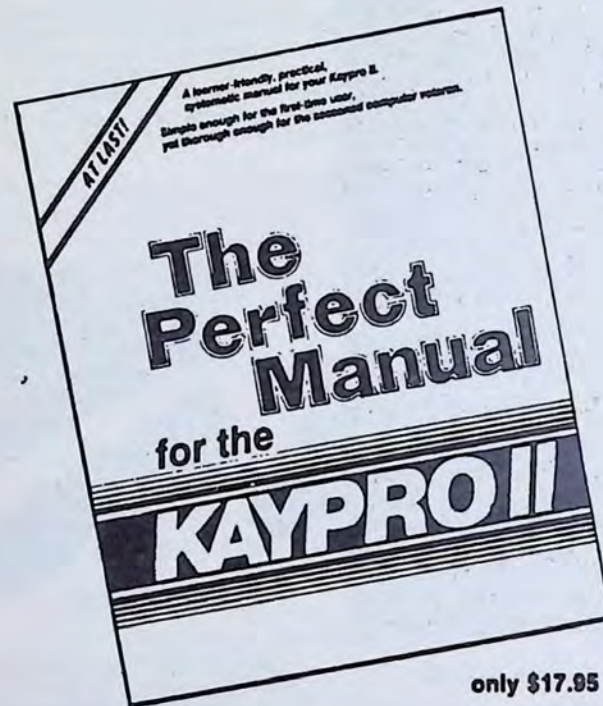
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- "My wife and my 78-year-old mother worked through your manual and said they can't understand why I had so much trouble learning to run the Kaypro. I sure wish your book had been available a few months ago. Thanks!" Carrollton, TX

Dear KUG,

I am interested in setting up and participating in KAYPRO support systems. This could be simply a list of people in various geographic areas that have experience in KAYPRO hardware/software, or perhaps even an on-line (Compuserve) users group or a designated method of communicating over Compuserve.

I am very willing to help.

Mark H. Jacober
106 Corning St.
Beverly, Ma. 01915
617-927-2877

Unerasing with XAMN

Suppose you accidentally erase a file that was very important to you. What do you do? Say "#&\$%*!", hit the key board and retype the file? No! With a little effort, you can UNERASE the file almost as quickly as you erased it.

Here's how. First, go find your April-May, 1983 issue of Kugram (Vol. 1, No. 3). On page 12, you will find an article by Dick Grinnell on how to compile XAMN.BAS found in your CP/M 2.2, S-Basic disk. Do this first before going on.

Now, to unerase your file, place the disk with the compiled version of XAMN.BAS, called XAMN.COM, into drive A and place the disk with the file you want to unerase in drive B. Warm boot your Kaypro by typing CONTROL-C and then type "XAMN" (return). The screen will show "Disk number [0,1,...15] ?". To examine the disk in drive B, type "1" (return), and you will be presented with a menu of nine options. We want to select option 1, so type "1". The screen will respond with "Track, sector ?". Respond by typing "1,1" (return). You have just told XAMN that you want to examine a specific portion of the disk in drive B. The portion we are examining is called track 1, sector 1, and is displayed in hexadecimal form with the corresponding printable characters at the right side.

(continued)

Some of your files on this disk are going to be found printed on the right side. If the file you want unerased is not found there, examine the next sector on track 1 by typing a capital "F". Keep doing this until you locate the file you want. (If you go past sector 15 on track 1, you have missed your file and must go back by typing "B". All of your files should be listed somewhere on track 1, sectors 1-15.)

After you have found the name of the file you have accidentally erased, you will notice that there is an "e" immediately preceding the name of this file. This "e" tells your Kaypro that this file has been erased, and to ignore it. Using XAMN, you can unerase this file by replacing the "e" with the ASCII "NUL" character (HEX 00). To do this, type "C". This allows you to change the specific HEX code of a byte in the sector you happen to be located. You will be presented with the first byte of this sector which is expressed in hexadecimal form and the character it represents. You must press "RETURN" until you come to the "e" which precedes your erased file name. This is easy to find because the names of your files will appear in vertical form as you type "RETURN". If you pass the "e", you can go backwards by typing "BACKSPACE". When you have located the "e", type "00" (zeros, not letters). You have just unerased your file. Now to exit XAMN, type a single period "." You will be asked if you want to "(W)rite to disk, (C)hange more bytes, (A)bort ?". You want to write to disk, so type "W". You will then be presented with the options "(F)orward, (B)ackward, (R)ange, (C)hange, (E)xit ?" To exit type "E" and you will be back at the main menu. While you are still in XAMN, it is a good idea to check and make sure that your file has been unerased. Do this by typing "4" and then the name of your file (without the drive designation "B:") followed by a RETURN. If your file has been successfully unerased, XAMN will tell you its location on your disk. To return to CP/M, type RETURN and then CONTROL-C. You should unerase a file immediately following its accidental erasing. Otherwise, when writing or saving other files to the same disk, the space occupied by your erased file may be over written and lost.

Scott Gorman

Philadelphia, PA 19104

Okidata Print Modes

I followed the PERFECTCALC manual regarding configuration of my printer in order to utilize its various print mode capabilities, along with the OKIDATA manual which specified the ASCII, decimal, and hexadecimal codes which SHOULD have affected the printer. NONE OF THEM WORKED.

By accident, I discovered the controls THAT WILL WORK utilizing PERFECTCALC'S built in printer configuration.

Call up PERFECTCALC'S "pcconfig" and select option #2, Configure printer.

Question #1. Select column width appropriate to the print mode you are going to use (40,80, or 132).

Question #2. TRY THE FOLLOWING COMBINATIONS:

Print 16.5 CPI - Control-Group separator [ctrl rt bracket]
Print 10 CPI - Control-Record separator [ctrl shifted 6]
Print 5 CPI - Control-Unit separator [ctrl shifted underline]

Note: Printer LPI codes can be added to the above by including the appropriate escape code.

Then follow the program instructions to update the pc.ovl program and exit the program back to CP/M.

For ease of use, make multiple copies of PERFECTCALC each with a different printer configurations. Then when you need different print formats, you do not have to reconfigure before each program.

Note—I have not been able to get PERFECTCALC to print different print modes within the same program.

Ira Loveless
Birmingham, Al.

* * *

New Kaypro Magazine

Non-Linear Systems has produced a new magazine, Pro/Files. Subscriptions to Pro/Files are available to everyone who purchases a Kaypro computer, or who already owns one. The price of a half a dozen issues is included in the price of your computer. If you've sent in your warranty card expect to get the magazine every two months for the next year or so. If you've just purchased a Kaypro, send in the card. Not only will it insure your subscription, it will also protect you should your computer malfunction.

Note that if you bought your machine more than ninety days ago, you're still entitled to receive Pro/Files, even if you haven't sent in your card. Just write to Non-Linear's offices, and be certain to enclose the serial number of your machine and the date of purchase.

A Game

The following word search game was created using the Seek & Find Word Puzzler from Quest Software. There are eight hidden words: KAYPRO - CHAPTER - SOFTWARE - KUGLAND - COMPUTER - KUGRAM - PRINTER - CPM. They can run horizontally, vertically or diagonal. Frontwards or backwards. If you would like this as a regular feature, let us know. HAVE FUN.

```
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H E N W G L Y J D R M Y A Z
U Y I Z C S U K V P N F P B
C P M H O B L M U Q E F T X
K U G R A M A T L W Y I E N
O W G Y Q S E C A A V G R L
K R H O K R O V L N J R U J
A B V U U L V F N I F S S C
Y W S D G Q B O T C L I L F
P A O P L Y J J V W B F D G
R W E D A S E Q L U A B I U
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Homegrown PWCONFIG

Have you found yourself changing the tab spacing every time you get into Perfect Writer? Do you run up against the message "Swap File Full" every now and then? Have you looked longingly at the description of the PWCONFIG program in appendix A of the Perfect Writer Manual, wishing that Kaypro had included it in the software package? Then the following program may be just the thing for you.

I found myself desperately in need of a larger swap file when I tried to edit a big file that I had transferred to my Kaypro from another computer. There was just simply no way that a 95K file was going to fit in the 64K swap file that came with Perfect Writer. So, necessity being the mother of invention, I wrote my own PWCONFIG. After many hours of studying a hex dump of the swap file I was finally able to decipher most of the interesting parts. All of the basic configuration information is contained in the first 1K of the swap file. The remainder of the file is just there to reserve storage space on the disk. This is why a "64K" swap file is actually 65K long.

Of the first 1K, all but the first 128 bytes is a table that defines the keys that must be pressed for each command. The PWBIND program that comes with Perfect Writer allows you to change this part of the file. The missing PWCONFIG is used to change the values in the first 128 bytes. Of these, the first 117 bytes simply tell Perfect Writer how to interface with the Kaypro hardware and operating system. The next 8 bytes contain the good stuff. These are the bytes that specify the "personal preference" parameters described in appendix A, including the size of the swap file.

All that a homegrown version of PWCONFIG has to do is:

1. Copy the first 117 bytes of an old swap file to a new one.
2. Let you type in your own choices for the next 8 bytes.

(continued)

3. Copy the remainder of the first 1K of the old swap file to the new one.

4. Pad the remainder of the new file to the appropriate length.

The SBASIC program that follows is a very simple one that does just that. In order to conserve newsletter space I have left out the code that checks the values entered by the user. If you are reasonably careful, you can use the program as-is. If you are a dealer who wants a novice-proof version to give to customers, you may want to add the data checks. The swap file should be a multiple of 8K between 24 and 248 (inclusive). On the Kaypro, the size of the disk actually limits the size of the swap file. By the time you put PW.CON, PW.SWP, PW.HLP and a few other things on the disk, the swap file is limited to about 128K. The absolute maximum (having just PW.COM and PW.SWP on the disk) is 152K. The cursor display line must be between 1 and 24. Tab spacing, fill column and indent column should all be between 0 and 79. Additionally, the indent column should be less than the fill column. The delay count can be any valid integer, but the range between 100 and 1000 is a reasonable limit. The clock rate is probably best left at 4, although the Kaypro actually runs at about 2. If you feel particularly adventurous you can experiment with changing it.

To run the program after it's compiled, put it and a copy of your old PW.SWP together on a disk in drive A. Put a disk without a PW.SWP file (but enough empty space to hold the new file) in drive B. Run the program and answer the questions. It takes a while to build a large swap file but the program will indicate its progress by displaying the number of K it has written so far.

Chip Weems
Computer and Information Science Dept.
Graduate Research Center A-305
University of Massachusetts
Amherst, Ma. 01003

program > > > >

```
var num, I, J = integer
var abyte, cursor, fill, tabs = char
var indent, clock, ldelay = char
var hdelay, fsize = char
files D, D, S(1), S(1)
create "B:PW.SWP"
open #3; "A:PW.SWP"
open #2; "B:PW.SWP"
```

```
rem GET USER PREFERENCES*****
print "File size in K (64 is normal)";
input num
let fsize = chr(num)
print "Cursor start line (10 is normal)";
input num
let cursor = chr(num)
print "Fill Column (65 is normal)";
input num
let fill = chr(num)
print "Tab spacing (8 is normal)";
input num
let tabs = chr(num)
print "Indent column (0 is normal)";
input num
let indent = chr(num)
print "CPU clock speed (4 is normal)";
input num
let clock = chr(num)
print "Delay count (300 is normal)";
input num
let ldelay = chr(num-(int(num/256)*256))
let hdelay = chr(int(num/256))
```

```
rem COPY FIRST 117 BYTES*****
for I = 0H to 74H
read #3; abyte
write #2; abyte
next I
rem CHANGE PARAMETER BYTES
for I = 75H to 7CH
read #3; abyte
next I
write #2; cursor, fill, tabs, indent
write #2; clock, ldelay, hdelay, fsize
rem COPY REMAINDER OF FIRST 1K
for I = 7DH to 3FFH
read #3; abyte
write #2; abyte
next I
rem PAD FILE TO SIZE *****
let abyte = chr(0)
for I = 1 to fsize
for J = 0H to 3FFH
write #2; abyte
next J
print I;"K";chr(ODH);
next I
close #2
close #3
end
```

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.

As of December, 1983, the membership dues will be \$15.00 (U.S.A.). However, all members who renew before that date will still be able to use the old dues rate of \$12.00 (U.S.A.).

When you send in your renewal, be sure to include your name, address and KUG I.D. number with your check.

Back Issues

Due to an unexpected number of requests for Back Issues of the KUGRAM, the only copies available as of this printing are Vol 1 No 1 and Vol 1 No 4. The first copy (Vol 1 No 1) has already been reprinted and the other two are at the printer NOW. You can still order all copies but there may be a slight delay on some. If there is a special article that appeared in a KUGRAM that is being reprinted and you would like a photocopy, just send us the issue number, the page number and a self-addressed stamped envelope.

The new price of \$3.00 each includes postage and mailing.

New KUGBB Number

As of OCTOBER 1st 1983 our KUG Bulletin Board will have a new number

(312) 882 - 6747

The old number will be in use until a short time before October 1st as the Bulletin Board will be down for a short time during the transfer. If you call the old number after October 1st you will get a recording that will give you the new number.

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As a coprocessor, CO-POWER-88 adds a new processor, the 8088, to the Kaypro without impeding the Kaypro's Z80 processor. That means you can still run CP/M 2.2 programs PLUS you can run CP/M-86 and MSDOS software.

In seconds you can switch from CP/M 2.2 to CP/M-86 or MSDOS and back. With CO-POWER-88 installed, the Kaypro is always booted with CP/M 2.2. Then a simple command, Z88, is entered to switch to CP/M-86 on the 8088 processor, or the command "MSDOS" is entered to switch to MSDOS on the 8088 processor. Returning to CP/M 2.2 is done by another command, Z80.

CO-POWER-88 installs in the Kaypro in minutes. Complete documentation with easy to follow steps is included.

CO-POWER-88 is more than just a

coprocessor. During CP/M 2.2 system operation, it's RAM can be used as a high-speed simulated disk drive, M: Programs run from M: don't require disk access time, greatly decreasing job time!

CO-POWER-88 is available with 128k or 256k RAM. Both versions include CP/M-86 and MSDOS. The 128k CO-POWER-88 can be upgraded to 256k with the 128k Add-on RAM card. CO-POWER-88 is currently available for the Kaypro-II and will soon be ready for the Kaypro-4 and Kaypro-10.

CO-POWER-88 is also available for many other microcomputers such as the Xerox 820 and 820-II, the Bigboard, the Osborne, the Access Matrix, the Zorba and SWP's ATR8000.

Pricing:

128k CO-POWER-88 w/ CP/M-86 and MSDOS	\$799.95
128k Add-on RAM Card	\$300.00
256k CO-POWER-88 w/ CP/M-86 and MSDOS	\$999.95

Dealers: Call for information and special prices.

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Arlington, Texas 76011
817/469-1181

Daisywriter Config

I notice from reading the messages on the KUG BB in Chicago that a number of people have bought a Daisywriter to complement their KayPro II. This makes a great combination. I should know. I'm one of those people.

There were a few problems when I first started running them together. One that drove me to distraction was that the printer kept throwing in an extra line of space every time I used an underline. I'm a clergyman, so I use a great many underscores to guide me as I preach. I finally unkinked the problem, thanks to Dr. Debug and his description of how to configure the Okidata 84, plus a bit of playing with the dipswitches on the Daisywriter.

I have the dipswitches set thus:

UDDDDDD
UDUDDDU
DDUDDDD

I set the Daisywriter as the default printer using PFCFIG, with these settings:

1. 21590
2. 27940
3. 254
4. 423
5. 254
6. 53
7. No
9. No
10. 0
11. 1
12. No
13. Yes
14. No
15. 1
16. No
17. <CR>
18. <CR>
19. <CR>
20. Control-Q, <CR>, <LF>, <CR>
21. <CR>
22. <CR>

(continued)

One of the things I especially like about this combination of printer with the KayPro is that I write my sermon early in the week, revise it as I want to, often twice a day, then print it out in a pulpit copy on Friday using 8 1/2 X 5 1/2 sheets. I then immediately type in new formatting instructions to make stencils or reprints, as I choose. My secretary is not burdened with having to type stencils for the mimeo from my pulpit copy, plus the stencils made on the printer look measurably better than any made on a typewriter.

If anyone has designed any good programs for parish records and mailing, using either Perfect Filer or something else, I'd like to hear from them.

Rev. Donald Marshall
13 Lisa Drive
Greenville, SC 29615

Footnoting

An alternative way of footnoting to that described by Donn Devine in the April-May issue KUGRAM is to create a new file for every extensive footnote, using the split screen and the CTL-X CTL-F command; it is helpful to name the file with the author's name.

In the text where the note is inserted type @note@include[b:filename.mss]. Using this procedure permits extensive footnotes, which will be consecutively numbered, overcoming Perfect Writer's 300 character limitation. It also permits double spacing of foot or end notes, which most journals now favor.

One problem that requires a solution is how, on a long manuscript contained on more than one disc the footnotes may be made to begin with a number other than 1.

George M. Kren
823 Bertrand
Manhattan, Kansas 66502

All KAYPROs are not created equal



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☐ KAYPRO 400KB Upgrade Kits*

KAYPRO 4 upgrade kit consists of a simple EPROM change and about 15 minutes to complete the installation. This will upgrade your standard KAYPRO II (which is 200KB capacity per drive) to 400 KB capacity per drive. Price \$118.00

☐ KAYPRO 800 KB Upgrade Kits*

This kit allows the user to upgrade the standard KAYPRO II (200KB capacity per drive) to 800 KB capacity per drive. Installation requirements are identical to the KAYPRO 4 upgrade kit. Price \$118.00

☐ Multi-Fonts Video Graphics

This field installable hardware peripheral allows for high resolution (640 by 256) bit mapped graphics on the KAYPRO II. Firmware for drawing line vectors, arcs, circles, rectangles and point markers as well as down line loadable character sets are standard features. Application programs may draw patterned lines, filling rectangles with a pattern, blanking the display either dark or light and complementing all or portions of the display. Price \$572.00

☐ CPU Hop Up Kit

The Hop Up Kit will increase your KAYPRO's calculation speed up to 60%. In electronic language this translates into an increase from the standard 2.5 MHz to a 5 MHz. Price \$118.00

☐ Real-Time Clock

This circuit board plugs into the KAYPRO motherboard and has nicad batteries for power backup (to insure failsafe operation). Included are software routines for clock accessing. Price \$118.00

☐ External Video Monitor Adapter

Our video monitor adapter allows the attachment of an external monitor to the KAYPRO computer system. Extremely useful during presentations and training sessions. Price \$118.00

☐ Built-In 300 or 1200 Modem

This kit mounts inside the KAYPRO and is Hayes Smartmodem compatible (Bell 103/212A). Auto-dial, auto-answer with automatic line speed detection (0-300, 1200 baud) are all standard features. Kit comes with software. Price \$399.00

☐ External Drives C & D

Simple to install. This module allows for the attachment of two additional diskette drives (C & D) to the KAYPRO. The extra drives may be external or 4 half height drives may be mounted internally. Price \$118.00

☐ Switch Banked Memory

This adds 64K of RAM memory to the standard KAYPRO II and allows the execution of CPM 3.0 Price \$512.00

☐ 8088 Co-Processor

Co-processor uses MSDOS and requires the Legacy 400KB upgrade kit. Maintains IBM compatibility coupled with the power of a 16 bit processor. Price \$955.00

☐ EPROM Upgrade

\$41.00

☐ KAYPRO Diagnostics

\$41.00

☐ Power Programming

\$175.00

KAYPRO Grey Padded Carrying Case \$55.00

Contoured Canvas KAYPRO Cover \$37.00

EPSON Printer Carrying Case \$45.00

☐ Semi Conductor Disk

High speed memory (200ns) that acts like an additional disk drive. The basic unit comes with 256KB of RAM. The board is fully socketed for 1MB of RAM, which may be user installable by simply purchasing RAM IC's. Price \$512.00

☐ Fancy Font Typesetting System

This product is unique in that it enables the KAYPRO computer when attached to an EPSON printer to print multiple fonts (different type styles) of varying sizes. It includes a font editor that will allow the creation of virtually any font or logo. Price \$180.00

Yes! I would like to upgrade my KAYPRO with the items checked above. (please write amount)

Send To: Legacy Computers
26356 Carmel Rancho Ln
Carmel, CA 93923
(408) 625-6562

Please Print

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California Residents Add Sales Tax
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Card No _____ Exp. _____

Signature _____

*Kits may be purchased with or without disk drives.

Library

KUG is still in the process of developing the long awaited listing of disks available from the KUG library.

MEANWHILE... We are still offering PAC MAN & CHESS (#101) and the following:

- #102 (Games) ELIZA & GOLF + misc.
- #103 (Modem) Modem 795 for the KUG BB
- #104 (Helps) HELP CP/M, MBASIC + others.
- #105 (Utilities 1)
- #106 (Games) ADVENTURE

If you would like any of the above, send \$10.00 (for each) to KUG LIBRARY at Box 100, Malverne, N.Y. 11565. DO NOT SEND US ANY DISCS. We will supply the programs on our disk. Be sure to mention the disk name, number, your mailing address and I.D. number.

Allow 4-6 weeks for delivery.

Help Needed

The most common problem in KUGLAND is interfacing the printer with the Kaypro so that proper word processing can be accomplished (ie. Perfect Writer, Select, Wordstar, etc.). I'm sure that many are still not satisfied and would like more information. SO ... here's where you come in.

If you will send us the name and model of your printer along with the proper configuration for the word processing program you are using, we will attempt to have them all listed in text form. This listing will be available to all members for just a self-addressed stamped envelope.

REMEMBER ... this is probably the most pressing problem for our members, old and new, so please send your HELP as quickly as possible! THANKS !!!

Doug's Software Barn STOCKPAC \$59.95

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- * excellent reference and training in stock/option/margin trading
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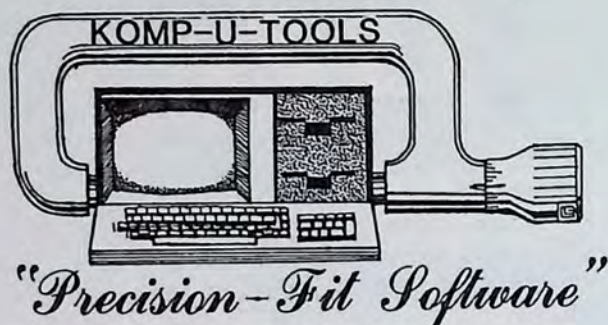
FOR THE COMPETITION

- * do you provide the complex option/margin calculations? (most can not)
- * or excellent documentation for training/reference. (not just program operation)
- * we are used and have been tested in a major brokerage firm (and you???)
- * how about price? ... **WE DARE TO COMPARE**

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\$2.00 Shipping — N.C. residents add 4%



1. [T or F] FCB's cause cancer,
2. [T or F] IOBYTE was a robot in Star Wars,
3. [T or F] No one sells software for \$15.00.

If you answered true to any of the above, you NEED US!!!

Each month KOMP-U-TOOLS produces a new disk specifically for the KAYPRO. Eight programs provide simple CP/M functions, home and business applications plus some fun stuff.

- VOLUME ONE includes a single key-stroke replacement for most PIP,TYPE,RENAME and ERASE functions, an un-erase program, repetitive label and large banner generators, a time-line development program plus word puzzle, stock market simulation and othello games.
- VOLUME TWO features chess, loan analysis and discounted cash flow projection programs, a fast simple preformatted business letter writer, utilities showing files with their sizes in alpha order, and allowing you to find and lock out bad disk sectors. Golf game and Month-at-a-Glance calendar print programs round out the disk.
- VOLUME THREE is highlighted by a five program system allowing the creation, maintenance and searching of a disk file index. Other programs provide 8 GRAPH print styles tracking three independent variables, and step-by-step development of home budgets using recursive logic. Also includes baseball, weather forecasting and Mandala programs.

These selections, combining original work and the best of the public domain library are uniformly straightforward and easy to use, with on-disk documentation files. They require NO modification or installation and are backed by our service hotline and limited warranty.

Each disk is only \$15.00 (plus 6.5% sales tax in CA). You may call (408) 247-7020 to place MASTERCARD or VISA orders or mail your check to KOMP-U-TOOLS, Dept KUG. All orders are shipped first class postage-paid, within one week of order.

In Response ...



...The Modem 795 disk from the KUG Library will access other bulletin boards as well as time sharing services such as COMPUSERVE and The SOURCE. You can also save information to disk or printer.

...We cannot recommend any special modem for the Bulletin Board, but the only calls we have received regarding problems connecting are from members using the Signalman Modem. Other Modems (Direct or Acoustic) seem to be O.K..

...Back Issue prices have been changed to include shipping. They are now \$3.00 each sent pre-paid.

...The Select up-dates have just arrived. We will have more information on how to get them from KUG in the next issue.

...Perfect Filer will not accept Canadian Zip codes.

...The KUGRAM is printed using SELECT W/P and a NEC Spinwriter. The type face (Thimble) is Prestige Renown with a slight modification to the letter "l". The disks are 3M. The Modem we use is the Hayes Smartmodem (300-1200 Baud).

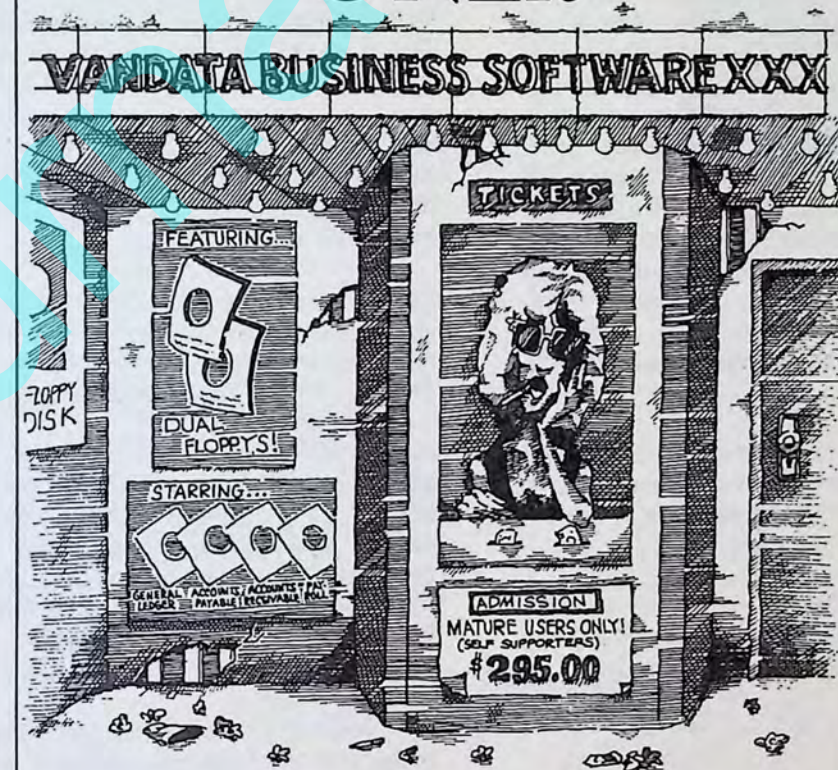
...Upgrading from a Kaypro II to a Kaypro 4 requires new drives (double sided) and some modification of the hardware. Check with your dealer

...If you should lose the software that is provided on the Kaypro 10 hard disk, you can have get it from your dealer who has all the software on diskettes.

...Still no information on any good books on SBASIC.

...According to the Post Office, the KUGRAM can take from 3 days to 3 weeks to be delivered. If your neighbor gets it before you do, have patience yours will be coming soon.

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Minimum requirements are 48K RAM, CP/M™, or CDOS, CBASIC2™, a CRT and a 132-column printer. The package is available on most CP/M disk formats. Our installation manual is included and the Osborne/McGraw-Hill application manuals are available separately.

Why pay for support you don't need? Order the Vandata Business Software Package. **Call toll free: 1-800-426-5248.**

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Seattle, WA 98133.
In Washington call (206) 542-7611.
VISA or MasterCard accepted

Kaypro Networking

Centram Systems, Inc., Camp Hill, Pa., has developed a local area networking system for the Kaypro computer.

Called the Web, the system has been designed to provide maximum flexibility by permitting users to network virtually anything that can be done locally on the computer. Every station attached to the network thus becomes a part of any member computer. As such, any linked user can share data stored on the disk drive of another station, or can direct his or her output to the printer attached to another computer. Also, an individual user can send and receive mail, messages and complete files, as well as "log on" to the drives of another machine and run a program.

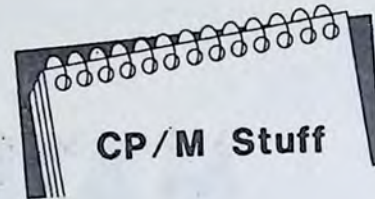
The power of one computer is thus increased to the cumulative power of all computers attached to the network.

The system has four parts:

- The Web networking hardware built into the Kaypro
- The OPSnet networking software
- The Web network connecting cables, and
- The Web operating manual and technical specifications.

In the Web network, the system can be comprised of a mix of Kaypro IIs, 4s, and 10s. If one of the units on the net fails, there is no disruption and all other units continue to function normally. The Web allows sharing all resources attached to any machine on the net, including as many disk drives (hard or floppy), printers and other peripherals as required by the users.

For further information about the Kaynet networking portable computers, write to Kaypro Corporation, 533 Stevens Ave., Solana Beach, Ca. 92075.



This issue we will discuss how "WILDCARDS" help clean up disks and let you find files on a cluttered, filled-up disk.

In a previous issue we STATED drive B using "STAT B:.*". Well the "*" was one of two WILDCARDS we will be using. The other is the "?".

The "*" represents either the file name, the extension, or both. The "?" represents only one character for each "?". Let's see how they work.

Place your CP/M disk in drive A and type DIR *.* <RET>. All the files on your CP/M disk will appear. Now type DIR *.BAS <RET>. Notice that only the files with the BAS. extension appear. Try using DIR *.COM. Now try DIR ????.COM. Try DIR ?????.COM. Also DIR ????.?M. Isn't that interesting?

If your files are filled with many short programs or letters and you want to find them fast you can use the WILDCARDS to separate them by their extension name. (DIR B:*.EXT or DIR B:*.E??)

In using word processing, there are many files that are redone and the back-ups remain to fill up the disk. You can use the WILDCARDS to get rid of unwanted files by typing ERA B:*.\$\$\$ (\$\$\$ represents the extension for the back-up) Make sure you use the correct drive letter!

Take an old disk and use the different WILDCARDS to list files and erase files more than one at a time.

WILDCARDS can be used with STAT, PIP, DIR and ERA. They cannot be used with TYPE and REN.

Next time we will discuss some of the worthwhile options of PIP and how they can help all of KUGKIND.

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with

Plu*Perfect Writer

Enhancements for Perfect Writer versions 1.03 and 1.20

- One-touch commands—using any keypad key—plus normal keypad mode.
- One-touch switch to overwrite mode.
- Variable-size swap file, up to entire disk.
- Built-in directory listing.
- Change disks and automatic warm-boot.
- Pre-set the editor margins, tab and mode.
- Eliminates PW bugs—7 in v1.03; 5 in v1.20.

CP/M 2.2E

Enhancements for the CP/M operating system

- Automatic motor shut-off with settable delay.
- Program re-execution.
- 2-drive program search.
- Type-ahead buffer.
- Permanent printer/modem baud rate.
- Bi-directional TYPE function, by page or line.
- Automatic program start-up on cold-boot.
- Fastest possible full-disk copy—just 56 seconds to format, copy and verify!
- 6 user-group utilities included.

Plu*Perfect Keypad

A transparent "shell" for CP/M 2.2E that adds one-touch keypad commands to any program—WordStar, Perfect Writer, Formatter, Filer, Calc, Basic.... Each keypad key can represent a sequence of up to 255 characters.

Supplied with ready-to-use definitions. Or make your own, even while running a program! Programs may have separate definition files, or share definitions. A few possibilities....

"1" = your return address and telephone number

"2" = a PIP sequence to back-up files

"3" = a complete modem auto-dial/login sequence

"4" = an editing "macro" for Plu*Perfect Writer or WordStar

...your imagination is the limit!

And all normal keypad and keyboard characters remain available!

Two unique one-touch keys can temporarily "interrupt" any program:

HELP: Display information for the currently running program, then continue where you interrupted. You can create separate on-line help files for different programs.

CPM: Execute the built-in CP/M commands—list a directory; type, rename, delete or save a file; or change disks—then continue with the interrupted program.

All Plu*Perfect products are supplied with extensive documentation, demonstration files, and user-friendly configuration programs. Prices valid until Halloween. User group discounts available.

†Write for information for KayPro 4 and KayPro 10 versions.

Perfect Writer, WordStar and CP/M are registered trademarks of Perfect Software, MicroPro, and Digital Research, respectively.

I'd like to upgrade my KayPro-II. Please send me:

Quantity	Disk	Product	KayPro-II Price†
_____	K-1	Plu*Perfect Writer and CP/M 2.2E	\$ 25.00
_____	K-2	Plu*Perfect Keypad (requires K-1 or K-3)	\$ 30.00
_____	K-3	CP/M 2.2E—for WordStar, etc.	\$ 20.00
Subtotal:			_____
Deduct \$5 for two or more disks:			_____
California residents: add 6% sales tax			\$ 2.00
Shipping and handling			_____
Total:			_____

Name _____
Address _____
_____ MC _____ No. _____ Exp. _____
Signature _____

Plu*Perfect Systems

Box 1494 • Idyllwild, CA 92349 • 714-659-4432

*plu*perfect adj.: superlative

DBase Installation

I just got the fourth issue of the newsletter and I found a problem with Bud Sherman's description of the procedure for installing dBASE II on the Kaypro II.

The problem with using the ADM-3A configuration to install is not that the Kaypro does not emulate an ADM-3A, it is that the configuration in dBASE II described as an ADM-3A is incorrect. The problem with the Kaypro leaving accent graves scattered over the screen is caused by the routines within the dBASE II configuration for dimming or reverse video and return to normal. These capabilities are not available with the Kaypro (or the ADM-3A, for that matter) and cause it to become confused as to what it is to do.

The correct procedure for installation of dBASE II on the Kaypro II is as follows:

- A. Enter the INSTALL program of dBASE II and select the 'E' option, ADM-3A, finish the install procedure by answering the rest of the questions and exit.
- B. Re-enter the INSTALL program and select the 'Y' option. MODIFY PREVIOUS INSTALL.
- C. Items on the menu which are correct are:
 1. DELETE CHARACTER SEQUENCE
 2. DIRECT CURSOR POSITIONING SEQUENCE
 3. CLEAR AND HOME SCREEN SEQUENCE
 7. EXIT SEQUENCE
 9. ALTER SCREEN SIZE
- D. Select item 4, BRIGHT/STD VIDEO SEQUENCE, and you will see it contains decimal 0 or hex 00, which is an ASCII null.
- E. When the program asks "Is this correct (Y/N)", type 'N' and then a carriage return to remove the ASCII null completely.
- F. The program will ask again "Is this correct (Y/N). Type 'Y'". Follow the same procedure for items 5, DIM/REVERSE VIDEO SEQUENCE, 6, INITIATION, and 8, RESET TO STD VIDEO.
- G. Finish the install procedure and everything will work just fine.

Robert L. Johnson
President, Denver Kaypro Association
4537 S. Jasper St.
Aurora, Co. 80015

Vendors

BUSINESS SOFTWARE MODULES

from
Computronics, Inc.
50 North Pascack Road
Spring Valley, NY 10977

PORTABLE POWER SUPPLY

from
Bits Power Systems, Inc.
11020 Audelia Road #B114
Dallas, TX 75243

ANTI-GLARE SCREENS

from
Advent Products, Inc.
965 N. Main Street
Orange, CA 92667

RS232 LOGIC CABLE CONNECTOR

from
IQ Technologies, Inc.
11811 N.E. First Street
Bellevue, WA 98005

TYPING TEACHING DISK

from
CSI CAD Specialists Inc.
15888 Main Street #207
Hesperia, CA 92345

TERMINAL EMULATOR

from
Optimum Systems, Inc.
P.O. Box 41778
Phoenix, AZ 85080

DUAL REMOVABLE HARD DISK CARTRIDGES

from
Xcomp
7566 Trade Street
San Diego, CA 92121

WORD PROCESSOR AND SOFTWARE

from
Compal Computer Systems
8500 Wilshire Boulevard #103
Beverly Hills, CA 90211

* *

The VENDOR column is not advertising. We will list as many vendors as space allows. These listings in no way represent our endorsement.

Kaypro Upgrading

Many owners discover too late that a system which does thousands of instructions a second can actually seem quite slow when one is waiting (and waiting...) for the system to finish an important job.

Before making a decision to upgrade, be sure to ask yourself these questions: Does the system seem slow when editing documents, formatting documents, or just when printing them? Does the performance seem okay when using Perfect Writer, but become unacceptable when using Calc? Do I consistently find myself running out of space on disk when using Perfect Filer, or is my problem the long read times involved in loading Calc spreadsheets? Each of these problems is symptomatic of a slightly different illness.

If, for instance, your problem occurs only while using Calc the best solution could be different than if the problem is seen when formatting with Writer. The Calc problems mentioned above are often caused by the heavy disk I/O involved in swapping parts of a large spreadsheet to and from disk whereas the Writer problems mentioned can be a function of CPU speed, printer speed, or disk I/O speed.

We decided that replacing our Kaypro's Z80 processor with a faster Z80-A was the ideal solution to the formatter runtime problem. We achieved a 40% decrease in format run times. Documents which had required 5 minutes to format could now be ready in just 2 minutes 50 seconds!

Many dealers will now install Z80-A chips for 100 to 150 dollars. Our experience shows this enhancement to be well worth the price if you are working with large documents or if you want an overall performance improvement averaging 30%.

If your problem appears to be disk space related, you might want to think about swapping out your single-sided floppy drives for double-sided ones. This change requires a more sophisticated modification to your system in that CP/M must be altered to accommodate the new hardware. Quotes we received for this "mod" varied from \$400 to \$600.

Another Kaypro upgrade we've spent some time with is the Co-Power 88 board from SWP Products, Inc. in Arlington, Texas. This product is one of two IBM processor upgrades available for the Kaypro. It basically consists of an add-on computer which — when installed on your system — allows you to run some of the software written for the IBM-PC. The IBM chip allows you to add an additional 256k of memory to your system!! This extra memory can be used even under normal Z80 mode. Thanks to the manufacturer's clever implementation of a "RAM disk" feature, your Z80 just thinks you've added an ultra high speed (256k) disk drive. Jobs which took five minutes with Kaypro's normal Z80 and three minutes with a fast Z80-A took less than 1 minute running off the RAM disk. We had one Calc spreadsheet which took 33 minutes to read on a Kaypro with a normal Z80! The load time for this monster with SWP's RAM disk? Less than 4 minutes! Who said the Kaypro was a slow machine? Of course if you want faster runtimes for your spreadsheets than can be achieved using the RAM disk, you might consider licensing Super Calc-86. This program makes full use of the IBM processor and its memory, runs more than twice as fast as Calc did from the RAM disk, and allows huge spreadsheets to be built. Does more than 8,000 cells sound adequate?

The only thing that's the least bit hard to swallow about this board is the cost. Prices start at around \$500 for a 128k Co-power board and rise to about \$1,000 with 256k of memory and CP/M-86. Racing stripes for your Kaypro are not included.

The folks at SWP were kind enough to let us take their board for a test drive so that we could evaluate it and tell you about it. Our rating? A definite nine on a ten point scale and very much worth your consideration if you've wished for a supercharged computer.

In the next issue, we'll be doing the same thing with a similar board from Data Management Systems, Inc. of Oklahoma City.

Happy Computing!

Gregg Platt
PeopleTalk Associates, Inc.

The "PERFECT" Manual

"The Perfect Manual for the Kaypro II" (PMKII) by T. Gregory Platt and Roz Van Meter (Peopletalk Associates, 1983, \$17.95) is certainly the manual for the beginning Kaypro user, but is very useful for the veteran user because of the way it clarifies and broadens one's understanding of the idiosyncracies of the Perfect Series in particular, and computer terms and problems in general.

The manual is divided into seven chapters: an Introduction to the Kaypro II which introduces the user to the hardware and software, from explaining how to turn the machine on to how to care for diskettes and other cautions; two excellent chapters on CP/M functions; and one chapter each on Perfect Writer, Speller, Filer and Calc.

Unlike the Perfect Software Manuals which don't mention CP/M or the barely intelligible CP/M manual provided with the Kaypro II, the Introduction to CP/M chapters in the PMKII explains CP/M's usefulness to the non-technical user in terms which allow immediate step-by-step usage and meaningful explanation of format, copy and sysgen (both the original version and an appendix containing the new version), and PIP, STAT, ERA, REN, and TYPE - the timesaving CP/M functions which many NTU's (Non-technical Users) only access through word-processing software. The chapter is a must for all Kaypro users.

Each chapter on the Perfect Series starts with instructions on how to begin using the module; corrects, amplifies or explains the basic accessing instructions so that they are more intelligible; refers the user to the appropriate chapters of the Perfect Manual for more extensive usage; corrects or clarifies errors in the manual; and most importantly explains what kinds of errors one might get, what they mean, and how to correct them with a minimal loss of data. Many frustrated lovers of the "whatever works" system used to correct 'Write Error' or 'Read Error' messages who often forgot what they did to get out of it will be delighted with the author's explanation as to why the error occurred making it much easier to correct it each time it occurs.

The authors also provide sections on the idiosyncracies of each of the modules; which function commands don't function; a command summary section listing all CTRL functions and their uses; and a list of unspecified command functions which were not printed in the Perfect Manuals. All of these are both time-saving as well as informative features to both the new and experienced user.

The chapter on Perfect Calc was written before the lessons disc was provided as an update to the series available from the dealer, but it does include the old beginning lessons which did leave one hanging and picks up from there to provide excellent directions for use. The Perfect Filer chapter points out the need for separate disks for each database and provides a clear, useful tutorial for each of its functions. The chapters on Perfect Writer and Speller give excellent instructions about accessing and using the programs, but do refer the reader to the Perfect Manual for more advanced use.

The only limitation of the PMKII may be found in its own occasional failure to follow its format of reminding the user to do certain things or being unclear in its directions: both practices which the reader comes to expect while reading through and following all of the steps. For example, there is no reminder to save a document after making changes in perfect speller which may cause the loss of the document, or the loss of the changes. There is also a slight lack of clarity when the authors do not mention that CTRL-X S will save changes to the document in buffer and CTRL-X W will save the changes to a new copy of the same document. Finally, for those users who seek more sophisticated solutions to document design problems, the PMKII does not meet expectations. It tends to refer one back to the original manuals for using most of these features.

In general, the "Perfect Manual for the Kaypro II" provides a highly specific and useful tour of the Perfect Software, and removes much of the guesswork from using the functions of the software. It is useful to both the new and experienced user, and is a highly recommended addition to your library.

Review by Joan Weingarten

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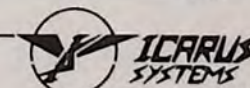
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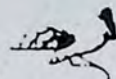


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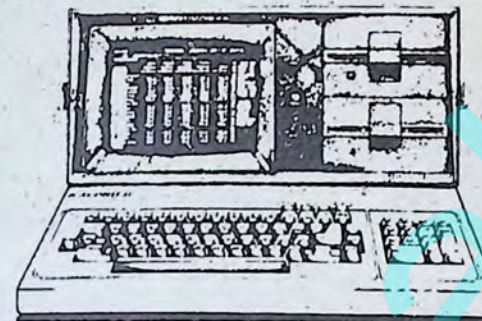
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