

LETTERS, WE GET LOTS AND LOTS OF LETTERS

KUG receives more than 200 pieces of mail every day. We think that's great and anything that's great we like to share with our friendly KUGGERS.

Most of your questions are answered in the newsletter (at least we try). Some of your questions we can't answer so we send them to people whom we believe can answer them. Sometimes we wait a LONG time and sometimes we never get the answers. The rest that follows is a broad cross section of the type of suggestions, questions and requests we have received these past few months.

"Why do you use that funny looking U in KUGRAM?"

...That funny looking U is really an M in Greek (mu) which is the symbol for "MICRO". * K-MICRO-GRAM *

"Why do you use that funny looking L in the body copy?"

...The type came that way. We're working on a better way to print the newsletter but more on that at a later time.

"Why don't you use more art or cartoons?"
...Send them. We'll try to fit them in.

"I don't like the name KUG."
...SORRY. It's too late now.

"When will you go to 12 issues a year?"
...Maybe 10 next year. Maybe a magazine.

"Why don't you go to magazine format?"
...See above. How about coming up with a good name or logo?

"I'm moving. Where can I get help?"
...Join a local chapter or call the Kaypro 800 number for the name of your nearest dealer (see back page).

These only represent some of the mail. Others include requests to place their name in the newsletter so that they can find a friendly KUG Chapter. Some would like us to write programs and still more want instant answers to their frustrating software problems.

We would like to place every name in every issue but it would take about ten pages. Therefore we will be publishing a directory of KUG Chapters around the country and it will be available for a self addressed stamped envelope. We will let you know when it come off the press. (Of course it will be updated.) As for writing programs, we leave that up to the professionals. The instant answers are never any good. Let's give it a little more thought and time. PATIENCE!

The rest of the mail are requests for Library disks, "How to Start a KUG Chapter" booklets, back issues of the KUGRAM. We also receive contributions to the newsletter (some on disk, thanks), contributions to the Library and of course ... inquiries and memberships from all over the world.

Among the most pleasant mail we get are copies of the local KUG Chapter Bulletins. There is a wealth of talent out there in KUGLAND. It's nice to know that other Kaypro users are getting together to air their "agonies" and their "ecstasies" of computerism. If the rest of the chapters that print newsletters will let us know who you are, we will let other KUGGERS know about them and perhaps they can subscribe or become "out of town" members.

Well, we have to go now, the mail just arrived ...(Who's got the letter opener?)



Box 100

Dear Kug,

It was great getting my first issue of KUGRAM, and have just a couple of remarks to relay.

In Response (April-May '83) you reported that Peter McWilliams erred in stating that a standard telephone cord will work with the Kaypro. I hate to tell you this, but you erred in disagreeing with him. Soon after I bought my Kaypro, I purchased a standard extension phone-to-handset cord from my local telephone supplier and it has been working just fine. Attempts to use a phone-to-wall outlet cord may not make it, but phone-to-handset cords work just fine, and are a great improvement over the too-short cord that comes with the Kaypro.

Keep up the good work!

Sincerely,

David Tobin
Washington, D.C.

[Editor's comment:... KUG has received dozens of letters agreeing with Mr. Tobin. So, we went on a mission of truth and tried every phone-to-handset cord we had attached to every phone in the office and at home. They worked! We then added a telephone cord to the Kaypro cord with a coupler and they worked! Off to market we went and bought a 25 foot phone-to-handset coiled cord. It DIDN'T work!! For the record, the 25 foot receiver cord we purchased was a U.S. Tron Company Model #PT-304-425-WH from Bohemia, N.Y.

Therefore the only possible conclusion we could come up with is ... ??????????????

Dear Editor:

Just got the second issue and wanted to tell you how I enjoyed it. Almost reminds me of the first few issues of BYTE years ago.

A few things I've learned the hard way that I'd like to pass on:

In re dBASE II... Installing it isn't all that straightforward because KAYPRO's claim that the tube is the same as an ADM-3 just isn't so. If you install dBASE II using the ADM-3 option, you'll find that the screen has accent graves scattered here and there. If you try to use the MODI COMM facility, you'll go coo-coo. All of this is because our slick little KAYPROs do things with the ASCII control codes that they really shouldn't. So...you need to trick it.

Enter the INSTALL program of dBASE II. Select the 'B' option, SOROC / TELEVIDEO. Finish out the install procedure and exit. Re-enter the INSTALL program and this time select the 'Y' option, MODIFY PREVIOUS INSTALL.

When you get the menu (items 1-8), pick '3', CLEAR AND HOME SCREEN.

Change the first character to x'1A' or decimal 27. Change the second character to 00. The rest of the sequence is correct.

When you get back to the menu, pick '7', EXIT SEQUENCE... and insert x'1A' or decimal 26 in front of the rest of the sequence. When done the sequence should be, in hex, 1A,1B,28,1B,3D,37,20. Finish the install and you should be off to the races.

When installing ZIP do use the ADM-3 option, none of the others work well.

We find dBASE II to be the real heavy of all the software we've acquired; it's truly professional and we've got a ton of business stuff running on it.

So keep up the good work. If there is anyone out there who is a Perfect Calc expert, I'd sure like to hear from them.

Thanks

Bud Sherman, #421183

Dear KUG,

I have found a set of programs (two to be exact) which I have found to be a great help to me. I would like to pass my findings on to the other KUGGERS.

The set of programs is called UNIFORM and it is from Micro Solutions Inc., 125 S. Fourth Street, DeKalb, IL 60115. The two programs in the set are: INITDISK.COM and SELDISK.COM. INITDISK.COM will format the disk on drive B to any one of the following computer drive formats: OSBORNE I (single and double density), NEC PC-8001A, XEROX 820 - II (single and double density), SUPERBRAIN (JR), TRS-80 MOD I (single density), and the MORROW MICRO DECISION. SELDISK.COM will allow the KAYPRO II to read any of these formatted disks.

I've found that UNIFORM is outstanding for acquiring programs which are not as yet available in KAYPRO II or XEROX 820 (SD) format. UNIFORM is also great for producing a disk which is readable by one of the above systems....Now, if we could find a program which would format the data as well as the disk to read and write on the IBM PC..... You should be able to get UNIFORM from your dealer or write to the company.

Has anyone else sent for JRT PASCAL 3.0? I sent for it after seeing an ad in Creative Computing. The ad says the order will be filled in 2-3 weeks. I sent for it in January and am still waiting. They may have been swamped with orders. After all, they are offering PASCAL for \$29.95! I will let you know as soon as I find out what's going on. In the meantime, I suggest you wait and see before you send for this language. As soon as I get the package (assuming I get one), I will evaluate it and let you know if it is any good. The price is right but not if you don't get anything for your money!

I'm living in Spain now (or will be by the time you read this). Here's my address if anyone wants to contact me personally:

TSgt David Runkle
PSC Box 1759
APO N.Y. 09283

(continued)

One question...I didn't buy a modem for my KAYPRO II because of my upcoming trip to Spain. Does anyone know if a modem will work in Europe? I suspect a modem would work between stations in Europe but how about between Europe and The U.S.? After all, Europe electricity is 50 Hz and in America it is 60 Hz. It seems there would be a phasing problem. Any answers?

Enough for now. I'll write more when I find out about JRT PASCAL 3.0.

David Runkle

* * *

Dear Sirs,

Just a note to let you know about the Kaypro Users Conference, which I and a few friends are starting on Compuserve, as part of the CPM Special interest group. The Kaypro Users' Conference will meet regularly on Thursday nights at 9:30 p.m. on the Compuserve Microcomputer Network. The first meeting has been scheduled to take place on Thursday, May 19, 1983 at 9:30 p.m. You can reach the CP/M Special Interest Group by typing "go pcs-47" at the initial prompt after logging on to Compuserve. It might be helpful if you could publicize the group in your newsletter, etc. (No fee other than the usual connect time fee is required to join the group.)

Regards,

Anthony J. Niesz

Notice !

All of our new members are receiving a revised welcome letter that tells about our KUG Bulletin Board in Chicago. On the reverse side of the letter is a COPY of the FRONT PAGE of the February 1983 KUGRAM explaining the use of the Bulletin Board. It is NOT the complete issue as some of our members believed. The complete KUGRAM is still available as a back issue. All three back issues of the KUGRAM are still available by sending \$2.50 for each to KUG, Back Issue, Box 100, Malverne, N.Y. 11565.

Gentlemen:

My calls to Nonlinear finally have paid off! In my previous letter (only two days ago) I mentioned a problem that I had been unable to solve. The problem was simply stated: "how can I send a null character (OOH) to my printer?" The command "PRINT CHR (I)" will send the correct info to the printer for all I not equal to 0 MOD (256). However, CHR (0) does not pass. The problem seems to be that the machine code uses OOH as a termination sign

This is an SBASIC bug. I spoke with a software tech at Nonlinear who had encountered this question before and had found a solution. One inserts the following function near the beginning of the program which requires printing nulls:

```
FUNCTION PNTCHR (CH,CHAN=CHAR)=CHAR
VAR ZERO=INTEGER
BASED WBOOT=INTEGER
ZERO=0
BASE WBOOT AT 1
IF CH=0, THEN CALL (WBOOT+09H+CHAN*03H,
    ZERO,ZERO,ZERO,ZERO)
END=CH
```

Then, instead of CHR(I), one uses PNTCHR(I,J), where I is the integer corresponding to the ASCII character desired and J is the channel number to which the character is to be sent. For example, to send OOH to the printer one uses PNTCHR(0,1) instead of CHR (0) in the print command.

Yours truly,

Norman Fuchs

* * *

I was one of the first Kaypro owners to test the new Pluperfect Writer patch to Perfect Writer; I found Pluperfect Writer to be extremely useful — user friendly documentation, excellent utilities, and several annoying bugs removed from the original. I highly recommend it to your readers. It is available from Pluperfect Systems, Box 1494, Idyllwild, Ca. 92349, at \$25.00 per disk.

Richard Baum, Professor

Sleeping Program

Many of you will have encountered the problem of the perfectly usable (no pun intended) Perfect Calc spreadsheet which suddenly can't be read anymore. The way this problem usually manifests itself, is that the program starts to read the file but, for no apparent reason, goes to sleep in mid-read and never wakes up again.

At the request of Andy Townsend at Kaypro, we took a look at this situation and discovered that many (but not all) of the spreadsheets which had this problem had been set up to do vertical (column-by-column) calculation. (Calc does not save the vertical calculation command; you must re-enter it after the program finishes reading a spreadsheet.)

A further look at these files by Ken Olson at Shepard and Vick in Dallas showed that they all shared a common "mistake" as far as Calc was concerned — formulas in the top of the spreadsheet referenced formulas "below" them (e. g. a formula in b1 referenced another formula which occurred in a2, a5, b2, c7, etc.). This situation confuses Calc (particularly if the formulas include a divide instruction) and the program seldom recovers.

If you have a spreadsheet which Perfect Calc refuses to read, look over the ".pc" file with Perfect Writer to see if this condition occurs in your file. Unfortunately there seems to be no "ideal" solution to this problem with vertical spreadsheets unless you can replace the "offending" formulas with new ones which compensate for this Calc idiosyncrasy.

Our thanks to Ken Olson for his help in pinning down this elusive problem and to Andy Townsend for bringing it to our attention.

Happy Computing!!!

Best Regards,
Greg Platt
PeopleTalk Associates

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Careful ...

In Perfect Writer (and surely other software) I have experienced the following. If a file is "fenced" in by other files, and you are editing in a manner which increases the size of the file you will get a "DISC I/O ERROR" if you attempt to write to the original file name.

The cure is to simply write the expanded document to a new file name. Knowing this would have saved me many hours and much cussin'. I hope it saves at least one reader the same.

Paul Schwartz
Upper Montclair, N.J. 07043

* * *

Dear Sir:

I am submitting the attached program for use in the KUGRAM. It is an SBASIC program written using Select. The MENU PROGRAM was originally written for a modular program I wrote on my VIC-20.

Task #1 was to input, edit, and amend data entries into a file array.

Task #2 was to verify the entries.

Task #3 was to store the 14 x 18 data array. I was able to do it either on tape or disk.

Task #4 was to read into the computer the data stored on the tape or disk.

Task #5 was to print a report based on the data stored into the computer.

I wrote the program in modules with each module being activated by the master menu. Since writing my initial program I have used the menu driven modular approach on the other programs I have done. All one has to do is change the title and process descriptions in the menu, and change the module start addresses in the ON .. GOTO statement.

Yours Truly,
WILLIAM MAYHEW, JR.
Telephone
H (301) 577-5078
W (301) 386-0170

```

COMMENT
    MENU PROGRAM
    This program generates a menu which can be easily adopted to
    meet the needs of any menu directed program you may write.
END

OALPHA BEGIN
    VAR INDEX = INTEGER
    PRINT CHR(26)
    PRINT CHR(27) + "=" + CHR(34) + CHR(67);
    PRINT "SAMPLE MENU"
    PRINT CHR(27) + "=" + CHR(36) + CHR(33);
    TEXT 0,e
        1. DO FIRST TASK.
        2. DO SECOND TASK.
        3. DO THIRD TASK.
        4. EXIT PROGRAM.
        =====
    INPUT2 #0;"ENTER NUMBER, then (RET) ";INDEX
    ON INDEX GOTO OBRABO,OCHARLIE,ODELTA,ODECHO

COMMENT
    The following statement "GOTO OALPHA" prevents going to
    the wrong program if a mistake is made in using the menu.
END

GOTO OALPHA
END

COMMENT
    THIS COMPLETES THE MENU PROGRAM. See Vol. 1 No. 1 of KUGRAM,
    December 1982, for the use and meaning of the PRINT CHR(##)
    statements.
END

DEMONSTRATION TASK PROGRAMS FOLLOW:

OBRABO BEGIN
    VAR TIME = INTEGER
    PRINT CHR(26)
    PRINT CHR(30)
    PRINT "THIS IS TASK ONE"
    FOR TIME = 0 TO 1000
    NEXT
    GOTO OALPHA
END

OCHARLIE BEGIN
    PRINT CHR(26)
    PRINT CHR(30)
    PRINT "THIS IS TASK TWO"
    FOR TIME = 0 TO 1500
    NEXT
    GOTO OALPHA
END

ODELTA BEGIN
    PRINT CHR(26)
    PRINT CHR(30)
    PRINT "THIS IS TASK THREE"
    FOR TIME = 0 TO 2000
    NEXT
    GOTO OALPHA
END

ODECHO BEGIN
    VAR EXIT = CHAR
    PRINT CHR(26)
    PRINT CHR(30)
    INPUT2 #0;"DO YOU WANT TO EXIT PROGRAM? (Y/N) ";EXIT

COMMENT
    Note the sample programs were designed to return to the
    MENU PROGRAM when they were finished.
    The following two IF statements permit the use of upper or lower
    case "y"
END

OFOXTR0T IF EXIT = 'Y' THEN OGOLF ELSE OFOXTR0T
OGOLF PRINT "YOU HAVE LEFT 'SAMPLE MENU'"
    
```

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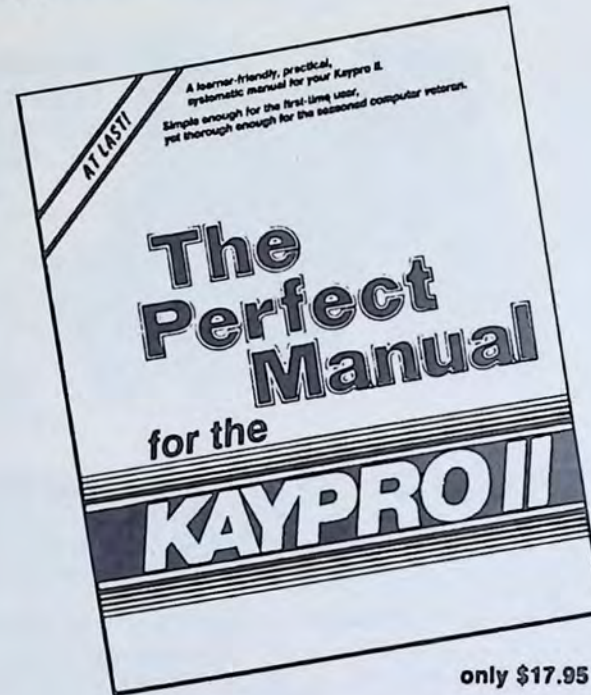
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A Word from PeopleTalk

(Publishers of "The Perfect Manual for the KAYPRO-II")

Perfect Writer Pagination Solved!!!

Our thanks go out to Bonita Lucas of Dallas for discovering a workable solution to the justified document page break problem of Perfect Writer. She called our offices a few days ago with the following suggestion.

"When it becomes necessary to force a page break in mid-paragraph within a justified document, try inserting a one-word (@W) command after the last word of the last line you want on the page. Make this fictitious single word the same length as the first word of the next line, except that you should substitute SPACES for each character of that word. If the first word of the next line is 5 characters, don't forget to allow an extra character for the space which trails the word as well! Follow the new 'empty' word with a @NEWPAGE command."

The net result of adding the "empty" single word and the @NEWPAGE command is that Perfect Formatter leaves an "empty" unjustified line on the first page and forces the next line to the top of the new page. For example:

*

If your text at the bottom of the first page looks like this before you insert your pagebreak, and you want to force a break before the line which begins with "want", the final text should look like this:

If your text at the bottom of the first page looks like this before you insert your pagebreak, and you @W()@NEWPAGE want to force a ...

*

hallelujah! Total pagination control! Thanks Bonita, for your help. Our hat goes off to you.

My XMAS Puzzle

by Alice Petersen

For years I have received a picture puzzle for Christmas that usually took me until to New Years to put together. My puzzle this year was to get started in SBASIC with PERFECT WRITER. I have the same crick in my neck and aching back as after previous holiday puzzle session but instead of putting a puzzle away in a box never again to be opened I can share this years process in the hope it might be helpful to others. My Kaypro II came with S-BASIC and PERFECT WRITER but the KAYPRO II USER'S GUIDE and KAYPRO II SBASIC manual were written for use with SELECT. After some time trying to access SBASIC directly I concluded I needed to get PERFECT WRITER and the SBASIC fundamentals on a disk together. I'm sure there are other ways to do it but what follows is the way I did it.

1. Made copies of my CP/M SBASIC and PERFECT WRITER master diskettes.
2. Put a "blank" [i.e. FORMATED and SYSGENed—see users guide, p.25] diskette in drive B.
3. Put copy of CP/M SBASIC diskette in drive A.
4. Pushed RESET button. Display showed: A>
5. Typed PIP <CR> [carriage return], an * appeared on the screen below pip. I then typed the commands to put SBASIC on drive B. This is how it all looked:

```
PIP <CR>
*B:=A:SBASIC.COM <CR>
*B:=A:OVERLAYB.COM <CR>
*B:=A:BASICLIB.REL <CR>
*B:=A:USERLIB.REL <CR>
*
```

I now had SBASIC compiler on drive B but to make it a program diskette I continued as follows:

I removed the CP/M SBASIC diskette from drive A and placed my copy of the PERFECT WRITER diskette into drive A. I still had the last little "*" on the screen and the cursor next to it blinking at me so I typed:

```
*B:=A:PW.COM <CR>
*B:=A:PW.SWP <CR>
* <CR>
```

(continued)

AS YOU WELL KNOW...

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has been field tested by dealers and owners. Here are some of the things they say:

- "Tremendously well written... anticipates problems and resolves them." Boston
- "This is quality material." NYC
- "This is the manual which should have been written in the beginning. Puts the hardware and software together beautifully." Denver
- "Particularly impressed with how you described concepts that aren't easy to convey to a new user." Phoenix
- "I worked with the book for a weekend, and was back in the store on Monday showing them what the Kaypro could do. I knew more about it than some of their salespeople." First-time user in Dallas

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NOTE: There wasn't room on the disk to put MENU.COM and although the menu is handy one can access a new file by typing PW B:[filename].

I now had the SBASIC compiler and the necessary files of PERFECT WRITER on the diskette in drive B. It is called your "working programmer's diskette" and will be used in drive A. Remove it from B and label it SBASIC/PW.

Now I needed a "working program diskette" (that means a diskette on which I will create, edit and store the files that I will use while compiling with SBASIC). It will be placed in drive B during SBASIC writing and compilation. At the bottom of page 31 of my KAYPRO USER'S GUIDE are the four steps for this and they are repeated here:

1. Put copy of CP/M SBASIC diskette in drive A.
2. Prepare a blank diskette (FORMAT and SYSGEN: see p.25) and place in drive B.
3. Press the RESET button. Display shows: A>
4. type PIP B:=A:*.BAS <CR>
5. Remove CP/M SBASIC diskette from drive A. Put into A your "working programmer's diskette", it's the one I labeled SBASIC/PW.

Now I'll walk you thru the path I took to compile a program in SBASIC. (I've adapted this from users guide as it worked for me.)

1. Put SBASIC/PW diskette in drive A and working program diskette in B (it has FAC.BAS, XAMN.BAS, and DPLAY.BAS files on it).
2. Do a warm boot. (Ctrl-C)
3. To edit a file type PW B:FILENAME.BAS. For a trial type after A> PW B:FAC.BAS. This file is ready for compilation by SBASIC. Let's do it.
4. Clear file from screen by Ctrl-C, Ctrl-X, command.
5. After A> type SBASIC.FAC.BBX now hit a <CR>. Your computer will begin printing and whirling away and after awhile it will say compilation complete, and give you a warm boot. (I'm a pushover but I get a cozy feeling when I get a warm boot FROM the computer, so far it has meant something went right.)

[continued]

6. You're ready to "run" FAC program. Just type B:FAC and then you'll get a ?. Just type in a number and a <CR> and you'll get a number printed back to you. I don't know what it means but who cares, at last it is doing something. Do a Ctrl-C command to exit from program.

EUREKA! We are ready to write our own basic program. If you can begin to create BASIC programs using the SBASIC MANUAL you are have more computer moxy than I have. I needed a simple straight forward BASIC book. We bought BASIC PROGRAMMING PRIMER, 2nd Edition, by Mitchell Waite & Michael Pardee and published by Howard W. Sams. But select one you feel warm about at your bookstore and bring it home full of expectations. Then you'll discover that SBASIC is not like other BASIC'S and you've still many puzzles to work through.

Lets do a short program. When we get through it will seem simple. But until I got the hang of it it seemed impossible.

1. With SBASIC/PW diskette in A and the "working program" diskette in B enter: A> PW B:ADDXY.BAS <CR> You will get a screen blank except for the file information at the bottom of the screen.

2. Type in this little program:
VAR X,Y = REAL
X = 2
Y = 4
PRINT X + Y

3. Put program into file by using ctrl-x, ctrl-w command followed by a <CR>.

4. Clear screen by ctrl-x, ctrl-c.

5. Compile program by typing after A> SBASIC ADDXY.BBX <CR>

6. In a few moments you, if we have not made any mistakes, see your basic program written out on the screen and the words: Compilation complete. You have an A> prompt on your screen.

7. To run your basic ADDXY program type B:ADDXY

This worked for me, I hope it does for you.

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Underline and Bold

TP-1 and PERFECT WRITER

Submitted by: Carl B. Jordan - KUG

To use Underline (@U, @UN, or @UX) or Bold (@B) with Perfect Writer, the TP-1 does not need any "hard-wire" modification.

[Using the instructions of Dr. Kug deBug in Kugram Vol. 1 No. 2 the answers to the questions for the TP-1 are as follows: ed.]

1. [width of page] type: "21590", 'CR'
2. [length of page] type: "27940", 'CR'
Note: this will set up the TP-1 for an 8 1/2 by 11 sheet of paper. The measurements are in "micas" and are figured at 2540 micas per inch. For legal size paper, answer this question "35560".
3. [standard character] type: "254", 'CR'
4. [height of line] type: "423", 'CR'
5. [horizontal movement] type: "254", 'CR'
6. [vertical movement] type: "423", 'CR'
7. [proportional font] type: "n"
8. [This is an invisible question - disregard]
9. [on-line output] type: "n"
10. [tearing off output] type: "0" (zero, not o), 'CR'
11. [special knowledge] type: "1" (number one), 'CR'
12. [printer backspace] type: "y"
13. [carriage return] type: "n"
14. [advance paper] type: "n"
15. [synchronization protocol] type: "1" (number one), 'CR'

(continued)

16. [translation table] type: "n"
17. [This is an invisible question - disregard]
18. [initialization string] type: 'CR'
19. [reset string] type: 'CR'
20. [new line string] type: CTRL key and Q simultaneously, (while holding down the CTRL key, type the "Q" key) then type the RETURN key, then type the LINE FEED key, then type the RETURN key. You should see an up-arrow, M, up-arrow, J on the screen in answer to this question.
21. [This is an invisible question - disregard]
22. [This is an invisible question - disregard]
23. [bold face string] type: 'CR'
24. [italics string] type: 'CR'

Your Perfect Writer Edit disk has now been configured to allow your TP-1 to Underline and Bold using the appropriate Style commands.

One more important thing: The "CLEAR/SET" switch on the TP-1 must be in the "CLEAR" position for this configuration to work properly. Since the TP-1 does not have a tractor feed, I've found it best to leave this switch in the CLEAR position and utilize single sheets of paper at all times. Using the "Pause for manual insertion of each sheet of paper" option [typing letter "P" on the Perfect Printer selection menu] causes the TP-1 to print one page at a time, and allows for insertion of individual sheets of paper.

If you have done these steps in the correct manner, and as outlined above, your TP-1 will now Bold print (after a fashion) and Underline (beautifully) when used in conjunction with your Kaypro II and the Perfect Writer software.

Here's a tip: If you use the @B Bold command along with the @U, @UX, or @UN Underline commands, the underlining will be re-typed and will appear much stronger and better defined.

Carrying your KAYPRO Overseas?

Plan Ahead (Plan Way Ahead!)

Many of us KAYPRO owners bought our machines for their portability, intending to use them in our work and while travelling. International travellers should be aware that travelling overseas with a computer and software of American origin is considered, by the U.S. Department of Commerce (DOC), International Trade Administration (ITA), Office of Export Administration (OEA), to be an export of American commodities and technical information and may be subject to licensing by the OEA.

While the licensing process does not cost anything, it does take time. Therefore, it is important to identify the licensing requirements well in advance of the scheduled departure date to be able to obtain the necessary forms, gather and submit the required applications and wait while the papermill in Washington grinds your application (maybe spitting it back to you for re-work), and ultimately grants or denies the requested license.

License requirements differ for different destination countries. Unfortunately, the requirements are dynamic and may change as the political winds shift. To spare you from having to become a perpetual student of the export regulations, the DOC will provide assistance to prospective "exporters". As a general rule, transporting a computer to an overseas U.S. possession is considered a domestic shipment not requiring a license. In general, a trip to Canada would not require a license, whereas a trip to the People's Republic of China would be subject to careful review before issue of a license. However, do not trust to general rules in this matter. Contact your closest office of the DOC, explain your intentions and follow the procedures outlined to you. For an overview of the procedures, request a copy of the pamphlet, "A Summary of U.S. Export Administration Regulations" published by the DOC-ITA.

(continued)

If a license application is required, you will be asked to fill out a one page [multi-part] form, ITA-622P, and perhaps some supporting documents. You will need to consult the DOC office to obtain the proper code numbers from the OEA "Commodity Control List" (CCL) to complete your application. In the worst case, you will be required to fill out form ITA-6031P, an 18 page treatise containing technical information about the machine in far greater detail than that possessed by the average user. I got help to fill that one out.

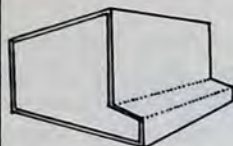
How long will the process take? The OEA is required to take action [issue license, deny license, return application for additional data, or acknowledge receipt and notify of lengthened review period] within ten days. In my [limited] experience, this ten days takes closer to a month. If the OEA decides to make a more extensive review, the ten day turnaround is lengthened to 90 days. If OEA refers the application to another agency, add another 30 days. This could get discouraging. Now you see why I said to plan ahead.

As you can appreciate now, there is more to portability than attaching a handle to a sturdy metal box. Don't be discouraged by the seemingly meaningless paperwork. If enough of us chip away at the paper mountain, it will yield. Portable computers, however, are here to stay.

Michael S. Drooker
Sanbornville, NH 03872
(603) 522-3144

Busy BB

Our KUG Bulletin Board has been working overtime. Except for an occasional rest to back-up messages or for some minor adjustments, KBB runs 24 hours a day - 365 days a year. Still we get letters and messages regarding the time it takes to "connect". In order to allow as many members as possible to access the KBB, we are asking that you PLEASE limit your connect time to thirty minutes or less. This will give more members time to send and get messages. It will also benefit more members. After all, that's what KUG is all about ... isn't it?



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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.

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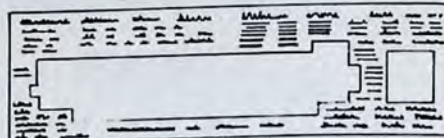
¹ 1000 sheets per mini-pak

² Rag and Laid, 500 sheets per mini-pak

³ Letterhead quality. White, tan, ivory, blue. Indicate

Learn Perfect Commands Super, Super Fast!

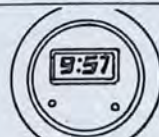
Kleertex Templates are designed to fit snugly on the Kaypro keyboard. These time saving, die cut templates are made from a durable, non-glare plastic, and can be put on the keyboard and lifted off instantly. The text is easy to read. One template lists all the commands for Perfect Writer and Perfect 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.



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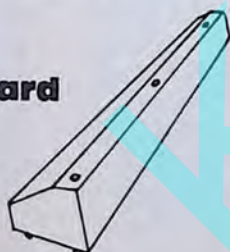
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Select

When I purchased my KAYPRO II the Word Processing supplied by NLS was **SELECT**, by Select Information Systems Inc. I also purchased a Brother HR-1 printer configured by the dealer to match the software. I understand that this combination has been purchased by others, so I hope the tale below will assist those who attempt to modify the standard printer configuration.

While I like the HR-1 for the apparent durability built into it, the use of "non-standard" control codes restricted the dealer to the "TTY-COMPATIBLE" printer selection. I wondered if one of the other printers on the menu might be compatible, so I decided to follow the instructions on Page 8 of the **SELECT** manual under "HOW TO RECONFIGURE SELECT".

I will not say much about this procedure, as it did not work. Instead, I was left with a printer that printed a "P" at the top and bottom left margin of any document I printed. This happened no matter which printer I said I wished to configure **SELECT** to match.

At the time I did not realize that I had done this to myself. I thought that if you read the manual, you could not go wrong. I said as much to the many people I spoke with in the course of attempting to fix the problem—at **SELECT**, NLS and our Users Group. Everybody agreed that the manual should be correct, but KUG suggested that the problem must be in the software. This forced me to consider just what I had done to **SELECT**, and it finally came to me.

The solution proved to be very simple, as it usually is with problems of this type. I went to the instructions on Page 5 of the **SELECT** manual and built a new **SELECT** disk from scratch. As a part of this procedure you configure the printer, and it works. I have tried six of the printer types supplied and they all make the HR-1 do different strange things. None of them really make it work better than the "TTY-COMPATIBLE" selection, but I can now print documents without the "P" appearing at the top and bottom.

The moral to this story? Read the manual, but never think that it is infallible.

One final comment. This column was written under **SELECT** and checked for spelling with Perfect Speller—they do work together if you wish to try it.

PROFIT PLAN & MICROPLAN

I understand that NLS is now shipping both Perfect Calc and Profit Plan with the KAYPRO II. While I have used Perfect Calc for some purposes, I found that Profit Plan was much more suited to the Business environment. Unfortunately, Profit Plan is restricted in certain areas to such an extent as to make it very difficult to prepare simple financial statements such as cash flows.

The solution? Spend the money and buy the **MICROPLAN** upgrade. All the restrictions that gave me such fits in Profit Plan have been removed, and if you obtain the Table Module you have the equivalent of the "virtual" memory feature of Perfect Calc without the annoying wait during a recalculation.

MICROPLAN is not perfect. No program that I have seen can make that claim. **MICROPLAN** is usable in a Business environment, and you can easily program it without actually being a "Hacker".

Errors I have known

Alice Petersen

Laugh at me or with me on the following:

1. The keyboard is NOT like a typewriter in that when in "caps lock" it will type capital letters but not the character on the top portion of keys. For days I thought I was typing a colon but I was really typing a semicolon and my tired old eyes couldn't see the difference. It's very hard to get into B drive by typing "B;" in fact I only did it twice and that was, of course, accidental when I made a mistake and typed it correctly.

(continued)

2. I've made hundreds of errors in SBASIC and there maybe hundreds yet for me to discover. After your first error a"\$" will be printed and a clue about the type of error. It is difficult for me to find information in my SBASIC book that came with the KAYPRO II, but I console myself that being a pioneer on the computer frontier means having rough maps. Think of the stories we will have to tell our grandchildren about how tough it was on those 1980 computers. If I keep my cool usually I can think of a correction to try and sometimes they work.

* * *

In search of PERFECTION

by PETER J FARROW

This is a brief review of my experiences with the "PERFECT" series of software. As with many KAYPRO owners I started with the "SELECT" package, but swiftly offered my \$75 to take advantage of the new upgrade.

My primary interest when selecting the KAYPRO was to keep track of customers and be able to produce selective mailings. Before PERFECT came along I had accomplished this type of mailing with SELECT. Unfortunately, the SELECT-MERGE leaves a great deal to be desired. Each mailing list has to be prepared individually and with a great deal of effort. It works, but it is a slow process.

PERFECT FILER (PF) takes care of the selective mailings. By producing a "Database", the FILER can be used to make very selective mailings. The Databases that I have produced are over 500 members in size and approach the capacity of the disc. One problem that I experienced was with large "sorts". The Filer does produce some additional temporary files while sorting members. If there is not sufficient room on the B disc, a "warm boot" will result! I have found no warning of this in the Manuals.

If one is starting a Database that could eventually grow to several hundred members, it would be good practice to include provision for an eventual split. This could take the form of "status fields", such as "male" and "female" or "in Houston" and "out of Houston" etc. These will permit the Database to become two smaller ones should the disc space be outgrown.

Writing letters to merge with PF are easy; however, it is necessary to first define a letterhead. This is a one time job that is not exactly covered in the manuals. Once this is done everything runs smoothly. The letter (or whatever is to be merged) is done in the "Verbatim" mode and produces a file that can be directly printed under CPM using the "TYPE" command.

The pluses for PERFECT WRITER (PW) are with the easy editing and the true ASCII files. My main frustrations with SELECT were connected with the constant changing of mode. SELECT's only good feature was the ability to produce hard copy without even saving to disk. Printing, (due to formatting), is quite a chore with PW. Has anyone found an easy way?

So far, I have not really explored the more powerful features of PW, such as dual screens etc. With little knowledge of Wordstar, it is difficult to compare, but I believe that PW has many desirable features.

PERFECT SPELLER (PS) is infinitely better than no spelling program. Once again PERFECT is rather over-stating the truth! PS is a pseudo speller that works from "roots" and can miss certain errors. An example is "meting", which is a combination of a good word "met" and a good suffix "ing". Errors of this type missed with PS, but are found with the next \$75 upgrade for "The Word Plus".

Finally, I have ventured into PERFECT CALC (PC) and found it very useful. Without experience with other spread sheets, it is difficult to compare. The multiple windows and true ASCII files are definite pluses.

Now , if only I can Format this file.....

ADDRESSING with Perfect Filer

(What the Manual Doesn't Tell You)
by Alan C. Elms

The most obvious use of PERFECT FILER is to prepare address lists and to transfer those addresses onto labels or envelopes. I got my KayPro II shortly before Christmas, and foolishly decided to put my Christmas card list onto disk with PERFECT FILER. That served as a good excuse for not getting my Christmas cards mailed by New Year's Day. Several weeks later, having finally mastered the intricacies of PERFECT FILER's "Individual Member Data Base," I decided to put my list of magazine subscriptions on the "Organizational Data Base." I thought that would be a good way to keep track of expiration dates, and to generate the correct address labels quickly when I was ready to send out change-of-address cards for my next move across country. If you don't have 150-200 names on your Christmas card list, and if you don't subscribe to 30-40 magazines, maybe you can find better uses for your computer. But if you're a magazine freak or a Christmas-card freak like me, the following suggestions may save you two or three days of frustration when you try to follow the instructions issued by Perfect and KayPro:

1. Filing and printing names and addresses of individuals: On the mimeoed handout from KayPro titled "ORGANIZATION OF YOUR KAYPRO PERFECT SOFTWARE DISKETTES," page 3, "PERFECT FILER" section: This tells you to place the "Individual Member Data Base" on its own separate diskette before using Perfect Filer, but you are not told how to do that, and some of the instructions you are given are incorrect. If you simply copy the entire Perfect Filer disk onto another diskette, it will accept thirty to forty individual member data files and no more, since the diskette will already be largely occupied by Perfect Filer programs. In order to copy only the portions of Perfect Filer that you need for the "Individual Member Data Base" diskette, do the following:

Place CP/M diskette in drive A, and a blank formatted diskette in drive B. Hit Control-C, then PIP and carriage return. You should get a * prompt. Remove CP/M diskette and place Perfect Filer FILER DISK in drive A, then enter each of the following items. Before each item, enter B:=A:, and after each item, enter OV, without spacing and with a carriage return only at the end of each entire line. The first entire line, for instance, would look like this: *B:=A:DATABASEOV followed by a carriage return. (Note that three of the items on this list — HASHTAB, MFORMDSC.SAV, and MAILTEST.MSS — were written incorrectly on the mimeoed handout from KayPro, as of December 1982.)

```
DATABASE
DB.DEF
MAILFORM.SAV
LISTFORM.SAV
MEMBER.H
HASHTAB
MFORMDSC.SAV
MAILTEST.MSS
LFORMDSC.SAV
SSLIST.SAV
SSDESC.SAV
SS.SAV
LABEL2.TXT
LABEL.TXT
DB.TXT
```

2. Filing and printing addresses of organizations: The same procedure is followed as in #1, except that the files for the "Organizational Data Base" must be copied from the Perfect Writer Installation Disk. In copying, use the same file titles as above, except that there is no MAILTEST.MSS file for the Organizational Data Base (and apparently none is needed). Also, there is a programming error in two files involved in the Organizational Data Base: LABEL.TXT and LABEL2.TXT. It is impossible to get Perfect Filer to print address labels or envelopes from the Organizational Data Base until these errors are corrected. To correct them, put Perfect Writer in Drive A and your copy of the Organizational Data Base portion of the Installation Disk in Drive B; call up "Edit" from the menu, and call up B:LABEL.TXT as the file you want to edit.

(continued)

The LABEL.TXT file will be shown on the screen. The file reads:

<name>
<address>

This is correct for the "Individual Member Data Base" (which is on another disk), but not for "Organizational Data Base," which treats the entire address of a business (including the business name or title) as address only, rather than name-and-address. In order to correct the program so that business addresses can be called up for printing, simply delete the first line (<name>) from the LABEL.TXT file. To correct the LABEL2.TXT program, follow the same procedure, making sure to leave the <address> line exactly where it is on the screen (since that ensures correct placement of the address on an envelope).

3. To save disk space and some annoyance, the sample names and addresses that come with the "Individual Member Data Base" and the "Organizational Data Base" should be erased, following the procedure for erasing addresses that you have put into the data base yourself. The identifying codes for the sample names on the "Individual Member Data Base" were, as of Dec. 1982: wfra, fmas, joll, rtur, hwad, jwad, fzaw. The identifying codes for the sample addresses on the "Organizational Data Base" were: wale, seat, russ, amer, kayp, musi, rain, robe, burk, ceda, elec, holt.

4. If you want to print address labels, it may be most convenient to purchase a small package of labels in a stationery store. Avery puts out address labels specifically designated as "for information processing". Package # 5260 has 30 labels to a page, plus part-labels at top and bottom to make it easier to adjust for the printer's spacing mechanism. The spacing tends to be tricky, so you probably should do a trial run of your first page of addresses on a plain sheet of paper before putting a sheet of labels in the printer. Using the placement of the addresses on the plain sheet as a guide, you can adjust the label sheet before giving the command to print. (Computer supply houses can sell you larger lots of labels, in one-across continuous sheets and other arrangements.)

Vendors

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

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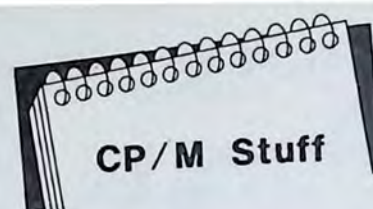
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Software REVIEW



The Plu*Perfect Writer (K-1) Disk expands Perfect Writer to its full power, enhances its performance with important new features, and corrects major bugs. This is a short summary of some of its features.

- Disks are automatically "warm-booted" when Perfect Writer starts, eliminating "BDOS R/O" errors.
- Users can make a swap file up to 184K, and set the default margins, tab spacing, and mode.
- With a single keypress each of the 18 special Kaypro II keypad and arrow keys can be programmed to send ANY Perfect Writer command sequence. A keypad overlay card shows the commands attached to each key.
- New commands allow you to switch to and from insert mode with a single keypress (or control key), change disks, switch the keypad between enhanced command mode and numeric mode, list disk directories and free space, scroll toward the top of a document, and split the remainder of a line onto an indented next line.
- Two fatal and numerous other distressing bugs are eliminated, including the notorious delete-last-sentence [Escape-K] and Help [Escape-?] with a missing help file.
- Configuration of keypad and other options is fast and user-friendly.
- Drive motors automatically shut off after user-settable 1-8 second delay.
- PluPerfect TYPER instantly displays text files a page or a line at a time. You can move forward or backward, and start at the beginning or the end of the file.
- Super-fast disk format/copy/verify program.

The patches are installed automatically in about eight minutes.

The Plu*Perfect Writer K-1 disk, with extensive documentation, is available from:

PluPerfect Systems
Box 1494
Idyllwild CA 92349

So far we have discussed "transient" programs called STAT.COM and PIP.COM and "resident" programs called DIR and TYPE. This issue we will call upon two more "resident" programs. The first is REN and the second is ERA. REN RENames a file and ERA ERAses a file.

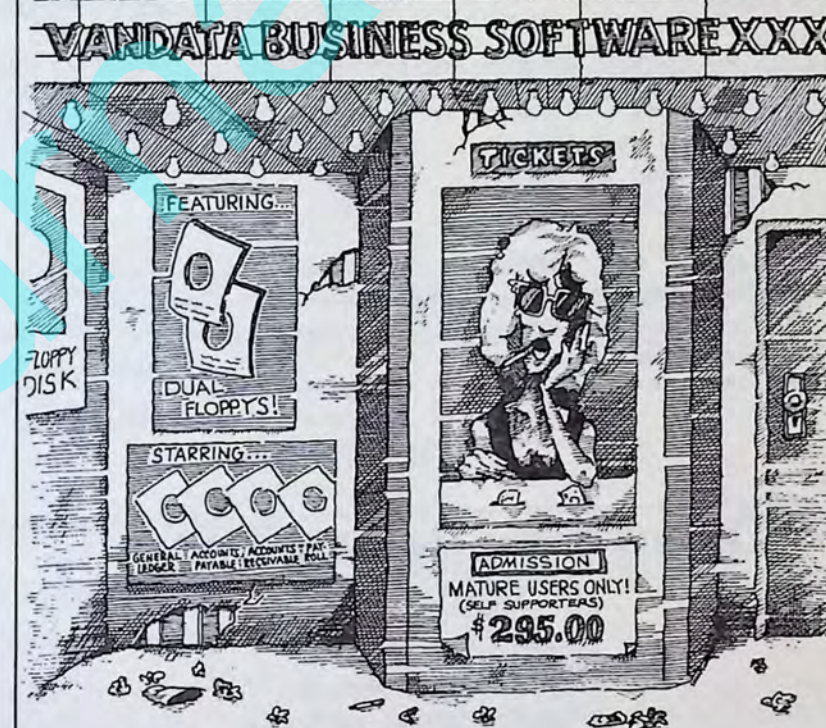
With your CP/M disk in drive A let's REName a file. First type DIR to get a DIRectory of all the files on the disk. There's an interesting file called TERM.COM. (What is it?) It is a program that turns your Kaypro into a "dumb" terminal so that you can receive messages from other computers by phone. So...we will now rename TERM.COM to PHONE.COM.

At the A> prompt type REN PHONE.COM = TERM.COM <return>. When the A> appears again, type DIR. TERM.COM is no longer there. It has been RENamed PHONE.COM.. Remember...as with PIP the new file name is typed FIRST and the old file name is typed LAST. Try typing it in reverse. (Yes, the file does exist.) When RENaming COM. files you must use the COM. extension on both or the program will not run. Try it, you can always change it back again. REN is used when you have to edit a document using a different file name and then would like to ERAse the old file and REName the new.

Speaking of ERAsing, the ERA program is not to be taken casually. In order to use this program put an old document disk in drive B. Make sure that everything on it is either backed-up or is unimportant. Now type B: DIR. Pick a file that you don't mind losing FOREVER. Type B:ERA filename.ext <return>. You must use the extension or ERA will not understand which file you want ERAsed. It is also VERY important to use the drive name (A: or B:) or you may ERAse a file with the same name on the wrong disk

No room to discuss "wild cards". We'll do that next time.

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In Response ...



...The reason the last KUGRAM was late is because we held it up for the article from Perfect Software. We felt it was important to our members. Also this was the first time the newsletter was sent Bulk Mail. (Lets hear it for the P.O.).

...When we went to hard drive for our member database, some of the files were lost. At that time we decided to send new membership cards and numbers to applicants we thought might have been on those files. If you have two ID numbers, use the one starting with the letter J and please let us know who you are.

...We will not be using an 800 phone number for the Bulletin Board. It will only cause problems for members waiting to "log on". They're waiting long enough already. However we are looking into Compuserve as an answer to that problem.

...If you access the KUG Bulletin Board and you do not get the data tone and the phone continues to ring, it is probably because the program is being "worked on" or the BB data is being backed up.

...When using the computer to communicate with Compuserve or The Source, make sure you re-dial and properly "log off" if you are accidentally disconnected. If you don't you are charged an additional fifteen minutes connect time.

...The new CP/M disk contains a new COPY program that formats, copies and verifies at the same time. You also have the option to SYSGEN at the same time. FORMAT.COM is no longer necessary and is not on the disk.

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K B B NEWS

A special feature from Dr. Kug DeBug

You can now access the KBB at 1200 baud or 300 baud (providing you have a 300/1200 baud modem).

The following information represents some of the HELP files that appear on the KUG Bulletin Board.

* Info on using the KUG Bulletin Board *

When the system is typing, you can use control-S to stop the output to look at it, then again to continue. This will allow you to see what is sent before it scrolls off.

Summary of system functions

The system has only three major functions, all related to supplying communication within the Kaypro Users' Group:

- > Entering messages
- > Retrieving message summaries
- > Retrieving messages (By message #)

A quick summary of what to do your first time

1. S - Use the S function to retrieve message summaries (or Q for quick [subject only] summaries)

* When prompted for a starting message number, use -50 to start 50 back from the highest message on KBB.

* Use control-S to stop/start output.

* Write down msg numbers of interest, or.. Flag the msgs you want to see by pressing F while the NEXT summary types (or press return to return to flag a msg you missed).

* Use control-K to kill the summary. This automatically starts the flagged retrieval.

2. R - Use R function to retrieve messages of interest.

3. G - Use the G [Good bye] function when you are done. You will be able to leave comments at this time.

=> Use H command if you need help.

NOTE: When you receive the line:
FUNCTION: [A,B,C,D,E,G....](OR ? IF NOT KNOWN)?

—> Please reply ? the first time so you learn of all the functions available.

MAJOR FUNCTIONS:

(E)nter message (H)ELP (Q)uick summary
(G)oodbye (R)etrieve msg (S)ummarize msgs

MINOR FUNCTIONS:

Print caller # etc (P)rompt bell off
(U)ser update (password, etc) (K)ill message (V)ideo backspace (B)ulletin reprint (N)ulls: How many? (W)elcome reprint (C)ase upper/lower (O)ne line summary e(X)pert user mode (D)uplex: echo off

>> For details, type H, press return, then type the command letter. <<

CHAT See if operator is available to talk via keyboard

HELP New user help; (vs.H: keyword help)

MINE find my messages

NEWS What's new on KBB

SHORT Shorten output: no dup spaces, etc

New users: If you don't know what else to do, start with: S;1 or q;1 for quick subject-only summary

Info on finding "your" messages

The command: MINE will ATTEMPT to find all messages to you. It scans for your full name, or messages to you by first name only.

Info on auto-retrieve of selected messages

Use the extended Q and S commands: QR and SR, which automatically flag for retrieval, all selected messages. You need not explicitly flag them.

If you want to skip one of the auto-retrieved messages, be sure to use C, and not K, since K will abort completely back to the main menu.

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617-353-0703

THREE-STATE KAYPRO
Contact: Alex Prokop
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Reno, Nv. 89509
702-323-1972

EUGENE KAYPRO USERS GROUP (EKUG)
Contact: David Nissman
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Eugene, Or. 97405
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503-344-1200 (eves)

KAYPRO SIG (SALEM AREA COMPUTER CLUB)
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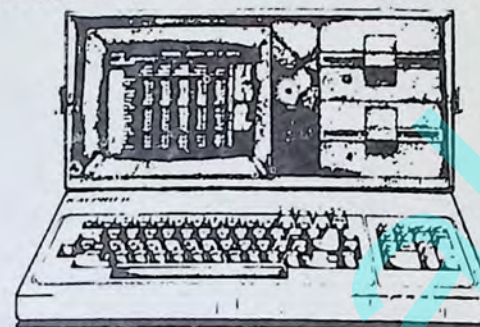
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KUG is in no way affiliated with Non-Linear Systems other than its need to receive the latest up-to-date information from the company regarding the Kaypro Computer.

KUG's Bulletin Board in Chicago is available to all who wish to use it. However all "downloading" may require the use of the member's ID Number. Again, this is provided as a service and KUG cannot be held responsible for any faults in the programs available. KUG's BB Phone number is (312) 397-0360.

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:

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- #103 [Modem] Modem795 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. PLEASE...

KAYPRO USERS GROUP

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NEWS from KAYPRO

A new Kaypro named the KAYPRO 4 is available from Kay Computers. This computer will be identical with the KAYPRO II with one exception. It will have DOUBLE sided DOUBLE density drives. Therefore, twice the disk storage is available.

The price tag on the KAYPRO 4 is \$1995.00 and includes all the same software as the II.

There is now a toll free number that you may call for the location of your nearest dealer. Now, anytime, anywhere, you have immediate access to an authorized Kaypro dealer.

The number is 1-800-447-4700.

Perhaps you can get a KUG chapter started at your nearest location?

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