

A PROGRESS REPORT FROM KUG

In the first issue of the KUGRAM we wrote about taming the jungle of KUGLAND. Well it's almost six months since then, so let's find out what has been accomplished by our fellow KUGGERS.

First of all, we must mention your overwhelming co-operation. Contributions to the newsletter have been great. (By the way, as long as you're using word processing to write your letters, why not send us the disk. We'll return it with programs from our library.) Please don't be disappointed if your article doesn't appear. It may be published at a later time.

Secondly, the many problems that came with the software are being resolved (slow but sure). We have received hundreds of letters and phone calls regarding Perfect Software. Most of the questions could not be answered, but with some encouragement from you, many members do not feel alone. Now there is some help from the Perfect Software people. (See the special article on UP-DATES inside.) New documentation has been written and more help is on the way in the form of printed up-dates sent to all dealers from KAYPRO COMPUTERS.

Thirdly, the KUG library is starting to take shape. Right now we have four disks available. But, that's only because we are trying to sort out the many public domain programs that will run on the KAYPRO. (See LIBRARY inside.) If you have any programs to offer to our membership through our library, please send them on disk and we will return your disk with a library selection of your choice.

Lastly, our KUG Bulletin Board has been in operation less than one month and has already logged over one thousand accesses. To those of you who have waited patiently to log on ... thanks for your words of encouragement. We are presently working on adding another phone line to ease your waiting. A time clock is being added to the KUG BB so that we can tell when the peak and non-peak times are for accessing the Bulletin Board. Another feature will be added to allow "downloading" and "uploading" programs from the KUG BB and you will have a choice of either 300 Baud or 1200 Baud.

Some members have asked us if we could supply modems. We are not dealers and cannot recommend any one brand. Check with your KAYPRO II dealer. However, we can save you some money by offering the necessary modem software through our library. We have a public domain program called Modem 795 available. This disk contains all the software you need to access the BB and to save it to disk or hard copy. This disk also has utilities for squeezing and un-squeezing files so you can have more room on the disk for "downloading".

By the way, when calling the KUG BB, make sure that your phone does not have "call waiting". If a second call comes in while you are logged on, you will be disconnected. You will also lose communication with the BB if an extension to your phone is picked up by accident.

In the next issue we will attempt to print all the HELP files for the KUG BB.

I think I see a clearing ahead !!!

Dear Kug:

I have almost completed my first book using Perfect Writer and would like to share some of my "experiences" with other Kaypro users.

First, in regard to the February 1983 Kugram, allow me to be so bold as to suggest that Dr. Kug DeBug amend his prescription concerning the pfconfig procedure. Dr. DeBug says when selecting the console printer, "just enter CONSOLE". PLEASE DON'T! If you do, when you have the data formatted on the screen of your Kaypro, it will format as it goes and not show you the page breaks. Now, to me, the purpose of formatting on the screen is to see what "i will get" when the material is printed. INSTEAD OF SELECTING CONSOLE, SELECT FILE. This will show page numbers and formatting EXACTLY as it will be printed and you can avoid having only one word or one line carry over to the next page.

Second, I would like to help out Keith A. Wollen with answers to many of the issues he raised. In order to determine page breaks prior to printing, see the paragraph above. Use the @newpage command to make the breaks occur where you want them too. It is important to always sum the lines as you roll them forward with the @newpage command, and in so doing, you can tell where the entire document will break with one formatting on the console. Specifically, if you roll two lines forward on the first @newpage, then the bottom of the next page will break two lines sooner. If you take this into consideration and decide to break the second page three lines before it would now break as "amended" (i.e., 5 lines before what now shows on the screen) the sum of the first two lines carried forward and the second three lines carried forward must be considered in looking at subsequent pages. In other words, subsequent pages will now end five lines before what shows on the screen. It sounds complicated, but it isn't, and with a little practice, you can get what you want on paper with only one quick formatting on the screen.

In further response to Keith, to format "unusual files" that don't want to format because they may not have the period in them, (Lesson0, on the lessons disk, as example) use this procedure: "Lesson0.*" By the way, for those of you that do not want to waste your valuable time at the Kaypro doing the lessons disk, it is a simple matter to use the edit disk and enter the "include command" at the end of each lesson. The include command is spelled out in the Perfect Writer manual, p. XVII-4. For good measure, after lesson 7, include "Kaypro.lrn". Then, when you format Lesson0, all the lessons will automatically be formatted, to include Kaypro.lrn and the whole thing will print in out 45 pages. In this way you can take the lessons with you on hard copy to read on the bus or anywhere else when you are unable to be present at the keyboard. I read mine over four or five times this way.

In further response to Keith - when error messages from formatting flash by too quickly (and it aggravates me too!) turn on the printer while in CP/M with a control P, and then format. There is no need to take notes - let the printer do the work for you. If you don't have a printer, use a control S to stop the action and make notes. Hit any key to start the scroll again and you can cause further stops by using control S again.

In further response to Keith...Control G does stop the printer. What is happening is that the printer's buffer is full and it continues to print until the buffer is empty. Please don't blame your Kaypro or software for that. I stop my Smith Corona TP-I by "raising the lid" on the printer. The console patiently waits for me to lower it again, and nothing is lost in the process. In fact, I do not have a chain feed on my TP-I, so when my chain paper starts going crooked after seven or eight pages, I simply raise the lid as it feeds to a new page and re-align my paper. By lining up the edges about two feet from the paper roller, I can usually get ten or fifteen straight pages without further adjustment the second time.

(continued)

In final response to Keith...When the printer prints "Vanilla" it is because either, 1) the printer you used was not selected as the default printer type in the pfconfig program, or 2) you failed to identify your printer as the printer type at the beginning of your document text, using the @device command as spelled out on page XVIII-1 of the Perfect Writer manual. All this assumes you have defined your printer as one of the printer types in the pfconfig program. (See the Dr. Kug DeBug article in the February 1983 Kugram).

So much for helping others, now let me ask a question or two. I have tried repeatedly, with no success, to get the "soft hyphen" program as shown on page B-1 of the Perfect Filer manual to work. After paying \$150 for the Word Plus program that supports soft hyphens, I find that very annoying. I have modified my Word Plus to use the soft hyphen command identified by Perfect Filer and it inserts beautiful soft hyphens on the screen after formatting...However, when the file is printed, there is not a single hyphenated word in the whole thing, and when I justify right margins, I wind up with "rivers of white space". I cannot help but note that on page B-2 of the Perfect Filer manual an illustration was used inserting soft hyphens, but when the letter was printed on page B-3, there is not one single hyphen in the text! Did Perfect Writer owners include this as a cruelty joke or what?

Another thing that just doesn't work is trying to increase the size of the swap file as spelled out in Appendix C of the Perfect Writer Manual. Has anyone been able to figure this one out?

Sincerely,
Wayne Haisten
Lilburn, Georgia

Congratulations

Our sincerest congratulations to Ezra Shapiro, formally of NW KUG, now of Kaypro Computer. Much success in your new position as Director of Corporate Communications.

Dear Kuggers:

We have formed a Milwaukee Kaypro User's group and would like to have our chapter listed in your next newsletter. People interested in joining can contact me at: 5625 W. Brown Deer Rd. #201, Brown Deer, WI. 53223, (414) 278-2762. We have had two meetings so far and have elected as officers: President- Neal Mason; Vice President and Activities coordinator- Paul Frank; Treasurer- Don Lustig; Librarian- Dick Rosenthal; and Secretary- Gary Noonan.

Keith Wollen's letter expressed some of the problems I have encountered in using Perfect Writer. I am a scientist and like him need a word processor that I can use to prepare manuscripts for publication. The inability to set tab stops where desired is indeed frustrating as is the Perfect Writer's general inability to handle tabular material. If one is not extremely careful, insertions and deletions can destroy a carefully laid out chart. The solution is to use Perfect Cal for preparing the table. Once this is done, the table can be inserted into the text before printing and set off by verbatim commands. The first time I tried this I made the mistake of attempting to insert a Perfect Cal file which had not been printed to disc as on page x-6 of the Perfect Cal book. All I got was a series of control symbols mixed up with my data. Subsequent tries with texts first printed to the disc showed that the tables could be easily inserted. However, any subsequent changes in the Perfect Writer version of them risks columns being combined together. Changes should be made on a copy of the original Perfect Cal file and then inserted in place of the previous table.

To avoid problems in formatting, I put ".mss" after each Perfect Writer file. Then I simply type the name of the file, without a period or the extension, and watch the computer get to work. I've found that a simple way to catch error messages during formatting is to exit first to CPM, toggle the printer on, and then format via the menu. My Epson MX80 G+ then prints out all of the errors.

(continued)

On my system the print cancel command, "control-G" stops printing, but sometimes only after a few seconds wait.

Originally, I had a lot of trouble getting my Epson MX80 printer with Graftrax Plus to work correctly with the Kaypro. The dealer who sold me both units had configured my system for the Epson printer listed in the configuration program. After many hours of frustration (printer would not follow type face commands and insisted on printing out name of file on each page) I noticed that the list of printers known to the computer included an "Epson G+." A quick check of the cover of my printer's manual showed the legend "Graftrax", which I interpreted as meaning I had an Epson G+. Since I changed the configuration from Epson to Epson G+, the printer has worked excellently.

I thoroughly agree that it is frustrating not to be able to see page breaks in documents. Perfect Writer should consider modifying their program. In my manuscripts I use new page commands where necessary to get a major heading at the top of a page. This sometimes results in partially filled pages; long papers contained on more than one disc also result in partially blank ones. I simply draw a pencil line across the bottom blank areas to let editors know that text was not accidentally left out. To date, no editors have complained.

I don't know if you have reviewed them in your first newsletter, but as a novice to computers I have greatly appreciated two books on CPM: The CP/M Handbook with MP/M, by Rodney Zaks, 1980, Sybex Inc., \$14.95; and CP/M Simplified, by Jeffrey R. Weber, Weber Systems Inc., \$13.95. Unlike the Digital Research manual these books make it possible for people other than professional programmers to readily understand CPM.

Earlier this month Kaypro distributed update information to its dealers (pages numbered from 9 to 30, evidently the first update was pages 1-8). The update has a mistake on page 29.

In the command for having a document begin numbering with other than 1, the value x should be one less than the desired page number. Thus to have the first page numbered as 20, use the command @SET (PAGE = 19). The command given on page 30 for having pages numbered at the top may be in error. I find that all parts of pageheadings are best enclosed in quotation marks as specified in the Perfect Writer Manual. My Kaypro sometimes works without such marks but at other times indicates format errors. I also find problems with Kaypro's suggestion on page 30 of putting onto the spelling disc the larger sway file found on the editing one. When I did this and attempted to check a file and add some words to the dictionary, the computer said that the disc was full. Possibly the apparent empty space on the spelling disc is used while files are checked.

I very much enjoyed the Newsletter. Keep up the good work.

Gerald R. Noonan
5625 W. Brown Deer Rd. #201
Brown Deer, Wi. 53223

KUGIG

Response to sharing my beginning files for genealogy with "Perfect" software was so numerous that I am working on plans to try a newsletter. If you would like to receive the trial issue of KUGIG (KayPro Users Genealogy Interest Group) bulletin please send me the following information:

Name: _____ KUG #: _____
Address: _____
KayPro Experience: (Months) _____
Genealogy Experience: (Pro, Novice, Beg) _____
Video Playback: Y/N (If video tapes were made for genealogy training on KayPro do you have equipment to utilize them) _____
Needs and interests in KayPro Genealogy: _____

Please include any helpful hints, Basic or other programs that you would share. You may send by hard copy or disk. If by latter I'll return with helps from others. Mail to: Alice W. Petersen, 3010 Regency, Apt. 40, Ames, IA 50010
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UPDATES

The following is an article sent to KUG from Mr. Palmer Parker who is Department Director, Technical Support of The Perfect Software Product Science Center.

WHAT'S NEWS FROM PERFECT SOFTWARE

Our goal is to provide 'perfect' software—or as close to that as we can get. In keeping with this philosophy we strive to eradicate all software 'bugs' before the products are released. Given the sophistication of these programs, this is sometimes hard to do. No matter how we much test a product, it is often you, the end user, who finds the last of the bugs. This is not surprising, for just consider how many users there are and how MUCH they are using the programs, putting them through trials we can hardly dream of. Thus, we rely on you the user for the Ultimate Testing of the product.

In the past months we have received numerous comments on Perfect Software, some highly complementary, some highly critical—many which identified problems. We have been doing the best we can to correct these. Following are some of the problems we have dealt with:

Perfect Writer's Delete Sentence Command
(Escape. . .K)

Early versions of Perfect Writer had problems with the Delete to End of Sentence Command (ESC...K). [It sometimes couldn't find the end of the sentence.] This bug is extinct as of Perfect Writer version 1.033.

Perfect Calc 1.07:

The Perfect Calc program supplied with your KayPro (probably version 1.0) suffered two maladies. First, the 'swap' file was dynamic: it was created as needed (but was limited in size to approximately 33K bytes). Second, because the Perfect Calc Lesson diskette and Perfect Calc Program diskette were merged on one diskette, there was no disk space left for the 'swap' file to grow. Perfect Calc version 1.05 uses a static 65K 'swap' file which eliminates this problem.

However, before long users uncovered three more bugs in Perfect Calc 1.05 (which we won't go into here). Perfect Calc version 1.07 is now in the final stages of in-house testing. It will shortly be released to selected users for further testing, followed by a general release to all of you.

Perfect Filer 1.2:

The Perfect Filer programs 'Create' and 'Move' at times created difficulties (too involved to describe here). In our new Filer upgrade 'Create' will provide now provide a standard default list format as well as a specification for standard labels for all data bases that you create yourselves.

What Version Do You Have?

Perfect Writer displays its version number on the screen while you are in a file. It is that number following 'Writer' at the bottom of the screen. Perfect Filer and Perfect Calc display their version numbers on the screen after you type 'Filer' or 'pc', respectively, and before the screen displays the program.

How Do You Obtain Upgrades?

We are supplying upgrades to dealers and user groups as rapidly as we can on a disk-for-a-disk basis. If you and your KayPro are huddled on island off the coast of Maine with no dealer or user group for miles around, send \$5 in check or money order (just enough to cover our costs) per program update OR a blank formatted diskette for each program update with stamped self-addressed mailer to:

Perfect Software
Product Science Center
P.O. Box 1479
Eugene, Oregon 97440

A full upgrade requires three diskettes. Put your name, address and what upgrades you desire on each diskette. And please be patient. For speedier service see if your dealer or user group already has these versions.

[continued]

NEWS STUFF

Perfect Calc Lessons diskette

Many early Kaypro users never received the Perfect Calc disk-based lessons which represent absolutely the best way to learn about Perfect Calc. We want to make these lessons available to as many people as want them. If you don't have them now, but want them, send \$5 in check or money order (just enough to cover our costs) OR a blank formatted diskette with stamped self-addressed mailer to:

Perfect Software
Product Science Center
P.O. Box 1479
Eugene, Oregon 97440

. . . and we'll send you back the lessons. Please put your name, address and what you desire on the diskette. Check with your dealer or user group first to see if they already have this diskette.

Tips diskette

This diskette is an ongoing project to aid you in making the most of your investment in the Kaypro II and Perfect Software. At present it consists of three main files, each with a different emphasis. 'KAYPRO.MSS' is a short introductory pamphlet that identifies the files of the Perfect Software programs, indicating what they do and how to arrange them on your diskettes. It is a greatly enhanced version of the 4-page pamphlet which you originally received with your Kaypro II.

'KAYPRO2.LRN' is a much-enhanced edition of the file called 'KAYPRO.LRN' on your Perfect Writer Lessons diskette. This represents the least painful method of learning the CP/M operating system we know of. Third, 'BATCH.MSS' describes how to format and print numerous files while maintaining consecutive 'counters' such as chapter, page, section, etc. The Tips diskette will not carry a version number but rather will be identified by date in the diskette directory. There will be a '-README' file to explain what files concern what subject.

In distributing the 'TIPS Diskette' we will be attempting to reach as many end-users as we can through dealers and user groups. That is, we'll send the diskette to them, and they will (hopefully) make it available to clients and members. The National KUG Bulletin Board will soon have information on this. Unfortunately at Perfect Software we cannot deal with individual end-users, since the volume would literally overwhelm us.

Perfect Speller Dictionaries

A medical and a legal dictionary will soon be available for Perfect Speller. Our anticipated release date is May 1st, with a planned price of \$9.95 each. Copies will be obtainable by mail from:

Perfect Software, Inc.
Perfect Speller Dictionaries
1400 Shattuck Avenue
Berkeley, CA 94709

Please specify which dictionary you desire.

FURTHER TIPS ON USING PERFECT SOFTWARE

RUNNING OFF THE 'B' DRIVE

Diskette capacity of the KayPro II requires that all Perfect Software program diskettes be placed in drive 'A' and all file diskettes in drive 'B'. Ordinarily this requires that a 'B:' be placed in front of filenames when reading or writing a file to disk. If you forget to do this your data may be lost when Perfect Writer, Perfect Speller or Perfect Calc attempts to write to the full program diskette on drive 'A'.

Here is an alternative that is nearly 'fail-safe'. After booting up your Kaypro in drive 'A', log immediately to drive 'B'. The computer will automatically read and write files to this drive. From drive 'B' call up the program file on drive 'A'. For example:

B> a:menu <carriage return>

[continued]

You are now logged to drive 'B', but operating with a program in drive 'A'. This eliminates the need for the disk drive designation in front of filenames, thereby eliminating accidental write operations to the 'A' drive.

This will work with every Perfect Software program except Perfect Filer (Do not log onto drive 'b' when using Perfect Filer.) This program automatically transfers from drive to drive as necessary.

When running off drive 'B' be sure there are no Perfect Writer command files on the diskette in drive 'b' that will confuse Perfect Writer e.g. 'PF.DAT' or 'PW.SWP'.

PW.HLP

In case you didn't know it, Perfect Writer provides an on-line 'Help Menu' that will display all of the system commands. You can view this help menu by typing:

Escape. . .?

or

Control—X ?

The screen will be split horizontally and the HELP menu will appear at the bottom of the screen. Directions for selecting any particular group of commands are given at the top of the Directory. To erase the HELP directory from the screen, type the ONE WINDOW command: CTRL—X 1.

This helpful guide was added to Perfect Writer after the current manual was printed.

FORMATTING TO CONSOLE

In Perfect Writer what you see on the screen is not always what you get out of the printer. Some people find this to be inconvenient, because they want to evaluate the layout of a document before it is printed to determine page breaks, the appropriateness of format commands, etc.

Perfect Writer will let you display a formatted document to the screen before it is printed. When formatting a document simply select option 'C' of the formatting menu—"Send the output to the console device".

Your document will be formatted according to the printer definition 'console' and displayed to the screen. The catch here is that 'console' is a definition specifying 10-pitch, non-proportional spaced printing, with one-inch margins on pages of only 4 to 6 lines in length.

When displaying, the file will scroll across the screen, margins nicely justified, showing the true number of characters per line you will obtain when printing the formatted file on paper. Special print commands such as underlining will not be displayed. Pages, however, will probably display in four to six line page lengths. By following a relatively simple procedure you can obtain true page lengths.

Start by making a back up copy of your Perfect Writer Edit Diskette! Then:

Place your Perfect Writer Edit diskette in drive 'A' and your Installation diskette in drive 'B'.

RESET the computer to initialize both diskettes.

Type the following:

b:pfconfig <Followed by a RETURN>

This will take you into the program called 'PFCFIG.COM' to alter the 'PF.DAT' file on your Perfect Writer diskette.

The screen will fill with information and request a 'y' or 'n'. Supply it with an n. This will fill the screen with words that conclude with something along the lines of 'Type any character to continue'. Enter your favorite letter.

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The screen will change to display text and a menu. Type 2 <Followed by a RETURN> You are now faced with yet more text and another menu. This is the one we've been looking for. Choose option 5 by typing: 5

We have reached our destination! You should now be looking at a three line display below the previous menu. The first line tells you what your 'current default printer' is. The second line indicates the 'current printer type for console output'. Chances are very good that the device name specified for console output is 'Console'. The third line asks 'What is the name of the default printer type:'. Enter the device name exactly as it appears on the 'current default printer' line just above, followed by a RETURN.

Now comes the \$64,000 question: the screen will ask for 'the name of the printer type for console output:'. Enter the name of your default printer device exactly as you did on the line above, followed by a RETURN. The screen will scroll and redisplay the last menu you encountered.

The last two steps to this updating process are easy.

Type 6 <Followed by a RETURN> This returns you to the first menu of 'PFCFIG'. Then again type 6 <Followed by a RETURN>

Congratulations! You have completed the process and your file, when 'Formatted to Console', will show true page lengths.

Using the 'Format to Console' option will scroll the file too fast for you to be able to read it. You can stop the scroll at any time by typing CTRL—S and restart it by typing any character. You can also incorporate Perfect Formatter menu option 'A—Pause for manual insertion of each sheet of paper' with 'Format to console' and not only will the file be displayed with accurate page length but it will also automatically stop the scroll at the bottom of each page so you can see if you want to change where the pages break in the file.

This option will not create a printable '.FIN' file. You must put the '.mss' file through Perfect Formatter again using option 'G—Start the formatting now'.

Before you play with this, please make a back-up copy of your Perfect Writer Edit diskette.

Extra ! Extra !!

TOWN IN VIRGINIA'S
SHENANDOAH VALLEY
PLANS TO USE KAYPRO II

By
Jim Giles
48 Overlook Mountain Rd
Page County, VA

Jessica Clarke, a staff writer for the Page News and Courier, reported in the January 27, 1983 edition of the paper that the town of Stanley, VA (pop. 1200+) is planning to purchase a KAYPRO II. The computer will help manage a workload that has the town's two clerks struggling under a four-month backlog.

The new KAYPRO II will be used for the general ledger, payroll, utility and tax billing, and word processing.

The Mayor of Stanley, Mr. Roger Keyser, indicated in the article that the town would borrow to pay for the computer, then pay the loan back using revenue sharing funds.

Help Wanted

We have had requests for recommendations on accounting software. If you are successfully using a canned accounts payable/receivable or payroll package, please let us know.

The info we'll need from you is:

Name of software package

Name of company

Company address

Your name and member number

What type of business you are using this for

The number of accounts being processed

Length of time using the package

Can we give your name and address to others who are interested in that type of package

If you wish to inform us of what you are using, but do not wish to be involved with other users, please state this.

Footnoting

Extensive Footnoting With Perfect Writer (TM)

The Perfect Writer word processing program has very limited capacity for footnoting, and provides no warning during editing that the capacity of the input buffers has been exceeded. The first indication of a problem is an error message during formatting.

The Perfect Writer manual indicates that the buffer capacity is only 300 characters for each note (Appendix B-13), and the endspace assigned for notes in formatting is only 1,000 characters. Although the latter can be enlarged through the configuration program, the maximum on a 64K system is still limited practically to around 8,000 characters (Appendix A-37), which is insufficient for many manuscripts requiring extensive documentation of references.

However, the split-screen editing capability of the Perfect Writer can give you an almost unlimited capacity for extensive end notes, while using the Perfect Writer program's automatic note numbering. Here is the procedure:

1. Create the new file which requires extensive end-note documentation.
2. Select the two-window display (CTL-X 2).
3. Select Other Window (CTL-X 0), which will place the cursor in the lower window.
4. Create a new "Notes" file in the lower window (CTL-X CTL-F, "find file,") and name it appropriately in response to the prompt, "File to find?" Start the file with the environment command @BEGIN(enumerate). It may also be helpful to insert 6 or 8 carriage returns and then type the closing fence command @END(enumerate), so you won't forget it. Return the cursor to the top of the lower screen, just below the "Enumerate" command. If you want a heading on the notes document, type @CENTER(NOTES).
5. Switch to the upper screen (CTL-X 0) and begin writing the file. Where a note is required, insert it in the text using the note command and an abbreviated reference that will not overload the buffer capacity.

A three-letter identifier for books or authors followed by a page reference, or a two-letter and date identification for documents is enough to let you check for any errors in the sequence of the Notes file entries that might produce inconsistent numbering when they are formatted as a separate file. Examples:

@note(PWM,A-13) for
Perfect Writer Manual,
Appendix A page 13.

@note(lt4/5/83) for a
letter dated April 5, 1983.

6. Immediately after creating the note reference in the document text (which will automatically produce superscript number references during formatting), switch to the lower screen (CTL-X 0) and write the full text of the note as a separate paragraph. The lower screen cursor will remember its position at the end of the last note, ready for a new entry, after you have returned to your main text using CTL-X 0.

7. If it becomes necessary to go back and insert new note references in your main document, the abbreviated references will make it easy to insert the full text in the note file between the appropriate previously written notes.

8. At the end of your main document, insert a @NEWPAGE command. This will assure that your end notes will not be printed on the last page of your main document, since you will use them only to check the numbering of the references in your separate note file.

9. Format and print each document separately, and check the consistency of numbering between the end note references in the main document, and the full notes in the Notes document. If there are no errors, discard the end notes reference sheet that was produced with your main document.

—Donn Devine

* * * *

In the last issue of the KUGRAM we mistakenly gave the address for Media Distributing as 444 Scotts Valley Drive. The correct address for this distributor of hard disk sub-systems is:

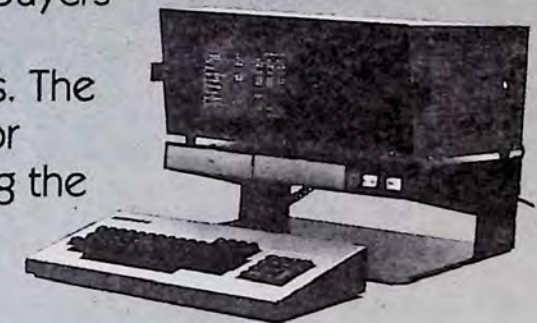
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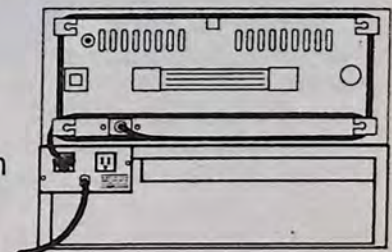


- Porta-Micro Mate fits most portable computers.
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XAMN.BAS

Look at the directory for your CP/M 2.2, S-BASIC disk. What is "XAMN.BAS"? I could find nothing in the manuals provided with my KAYPRO. If you use "STAT *.*" you will see that it occupies 20k of disk space. After a conversation with a good programmer I found that the program must be compiled in order to be run. Why didn't it come already compiled? The CP/M disk as delivered has only 3k space remaining, and XAMN.COM requires 27K, I guess it wouldn't fit.

In order to use XAMN on my CP/M disk I made a copy of the CP/M, S-BASIC disk, then erased two S-BASIC files, BASICLIB.REL, [41K] and SBASIC.COM, [26K]. This gives you about 70k free.

To compile the XAMN program, first load a complete CP/M, S-BASIC disk in drive A, then load the disk that you have made room on into drive B.

Type "SBASIC A:XAMN.BBX"(RET). Now go get a cup of coffee and listen to the drives click and whir for about eight minutes. When your KAYPRO's disk drives stop and you get a "warm boot", you will have "XAMN.COM" on the disk located in drive B. Mark this disk: XAMN. I found this program to be a very easy to use disk editor. I have used it to rewrite directory listings on disks with bad sectors.

To use XAMN, load the XAMN disk in drive A and the disk that you want to examine in drive B. Type "XAMN"(RET), The screen will show "Disk number (0,1,...,15). To examine the disk in drive B, type "1", this will bring up the main menu. the menu allows nine options, and nine "HELP" options. You may examine sectors, move sectors, find bad sectors, and produce maps of the disk or files. When examining a sector, one sector is shown at a time displayed in hexadecimal with printable characters printed at the right side. You have the option to change the hex code, or to look and exit without changing it. Practice on an unimportant disk, it is easy to render a disk unreadable if you make a mistake. If you have more information on this program please contact me.

Dick Grinnell, KUG 22-1183
Auburn Computer Center
1265 Grass Valley Hiway
Auburn, CA 95603

Vendors

PeopleTalk Associates
P.O. Box 863652
Plano, Texas 75086

First time Kaypro User's Guide

Rocky Mountain Software Systems
P.O. Box 3282
Walnut Creek, CA. 94598-0282

Software to run on the Kaypro

Vandata
17544 Midvale Ave. North
Suite 107
Seattle, Wa. 98133

Business software

Lake Austin Computer Camp
2700 Bee Cave Road
Suite 100
Austin, Tx. 78746

Computer Camp

Microft Labs, Inc.
P.O. box 6045
Tallahassee, FL. 32301

Mite terminal and file transfer utility

Micro Instructional, Inc.
6299 West Sunrise Blvd. # 205
Fort Lauderdale, FL. 33313

Audio instruction on CP/M for the Kaypro

When writing to the listed vendors, please mention that you saw it in the KUGRAM.

**

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

In Response ...



to your most frequently asked questions...

...MBASIC is now being given to with all new Kaypro purchases. It is being made available to existing Kaypro owners for \$75 from dealers. In addition to the games listed in our last issue that are being offered with the MBASIC, is WORD PLUS. It is an excellent spelling checker that helps word puzzle fanatics solve crosswords, anagrams, and rhymes. WORD PLUS hyphenates words, and has an expandable dictionary...

...When taking advantage of the portability of the Kaypro, be sure to replace the cardboard drive protectors, or a similar item into the drive. This will help eliminate unnecessary jostling of the drive heads. When travelling with the Kaypro, don't trust it to the luggage handlers on the plane. The Kaypro fits under most airplane seats...

...KUG cannot give or sell any licensed software to anyone. We have had several requests for specific pieces of software. We can only offer PUBLIC DOMAIN software, such as PAC MAN. Incidentally, if anyone has developed software and would like to make it available to the membership, please send it to us...

...If you are sending us an article or any information for the KUGRAM, it would help immensely if you sent it on disk. Please be sure to put your name and I.D. number on the disk label. For those who have sent us disks, we are working on getting them back to you with the promised goodies...

...When writing to us with questions or to make any request for back issues or disks offered, PLEASE include your name, I.D. number and address...

...Schematics are not available from us...

...For the many new members who have not received the first publication, and whose correspondence berates "us" for the terrible documentation or PERFECT bugs, we are not owned by, or in any way directly connected with Kaypro Computer, div. of Non Linear Systems. We are in independent group of Kaypro users, who maintain open communication with Kaypro in order to bring you the most accurate information available...

...Contrary to information dispensed by Peter McWilliam, the Kaypro will not work using a standard telephone cord from the keyboard to Kaypro. By the way, for anyone who wants confirmation that the Kaypro was definitely THE right choice, get McWilliam's two books, "The Word Processing Book" and "The Personal Computer Book"...

...The program printed on the back page of Vol 1 No 2 was a menu program that is written in SBASIC. If you write it and run it, you will be able to set your OKIDATA printer to the different print modes. (To save space we printed it on two columns.)



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Protective covers are also available for a variety of printers with and without attached tractors including the Brother HR-1, ComRiter CR-1, Daisywriter, Epson, NEC Spinwriter, Oume, and ProWriter families. Same price, colors, materials, and professional quality. Complete list sent with order or send self-addressed stamped envelop.

Hard Disk Review

by Dr. Kug DeBug

We are very excited about our new 22 megabyte hard disk sub system by JBS Business Systems. Distributed by Media Distributing, Scotts Valley, California, the drive, interface board, cables and manual arrived well packed and in operating condition. The installation instructions are very clear, easy to understand and accompanied by good illustrations. The entire installation took about 15 minutes. The only problem I ran into was the positioning of the Z80 to interface board cable. My cable was not marked as indicated in the installation procedure. As soon as the hardware was connected, I made a back up copy of the Hard disk software disk and quickly got started installing it.

Ah, I can't wait..... Let's get this baby rolling.

I warm booted, typed in HARD and VOILA! It didn't work (how disappointing). Well thanks to a good manual with a trouble shooting section, I quickly figured out that the port address that is to be plugged on the interface board when using it with the Kaypro was not the port that the software was programmed for. But.... have no fear, the manual says run the program called PORTCHNG, and try again. I did (by the way this program was great) and away we went. The hard drive came up like a charm.

Before I forget, source code (Z80 assembler) is provided at no additional cost. This source is for the HARD BIOS, PORTCHNG, and PREP (a program used to initialize the sub-system).

Now for some technical stuff.

The hard disk system is logically divided into two (2) disks (A & B with the floppies becoming C & D) for 11 meg or three (3) disks (A, B & C with the floppies becoming D & E) for 22 meg. This is actual usable space. On the 11 meg you get @ 5.5 meg per disk, and @ 7.3 meg per disk on the 22 meg. Along with all this space for your programs and data, you get a directory that will hold 1024 entries, per disk that is.

I've been told by Media Distributing that up to 8 of these sub-systems can be connected together and that a 44 meg system will be available soon.

The hard drive is relatively quiet. The only sound you hear is that of the cooling fan. The access time appears to be very fast. The loading of programs such as SELECT or Perfect Writer seems to be instantaneous. I mean you don't even get your finger off the keys and they're ready to go.

In addition to the source code, there are 10 neat commands that are included. They are:

AREN	- Ambiguous RENAME, used to rename CP/M files in mass.
DRST	- Drive ReSeT, resets hard drives as they are not reset on a warm boot (CTL-C)
FREEDIR	- FREE DIRectories, tells you how many free directory entries there are
ERQ	- ERase Query, like ERA except it prompts you before erasing the file
DIRS	- Like DIR but also displays files with SYSTEM status
GET	- Moves a file from one user area to the current user area
PUT	- Moves a file from current user area to another user area
NS	- Like STAT but gives you much more info about each file
DIRA	- Like DIR but has the option to get directory of deleted files, and/or files by user #
FSET	- File SET, used to set files to R/O, R/W, SYS and DIR status.

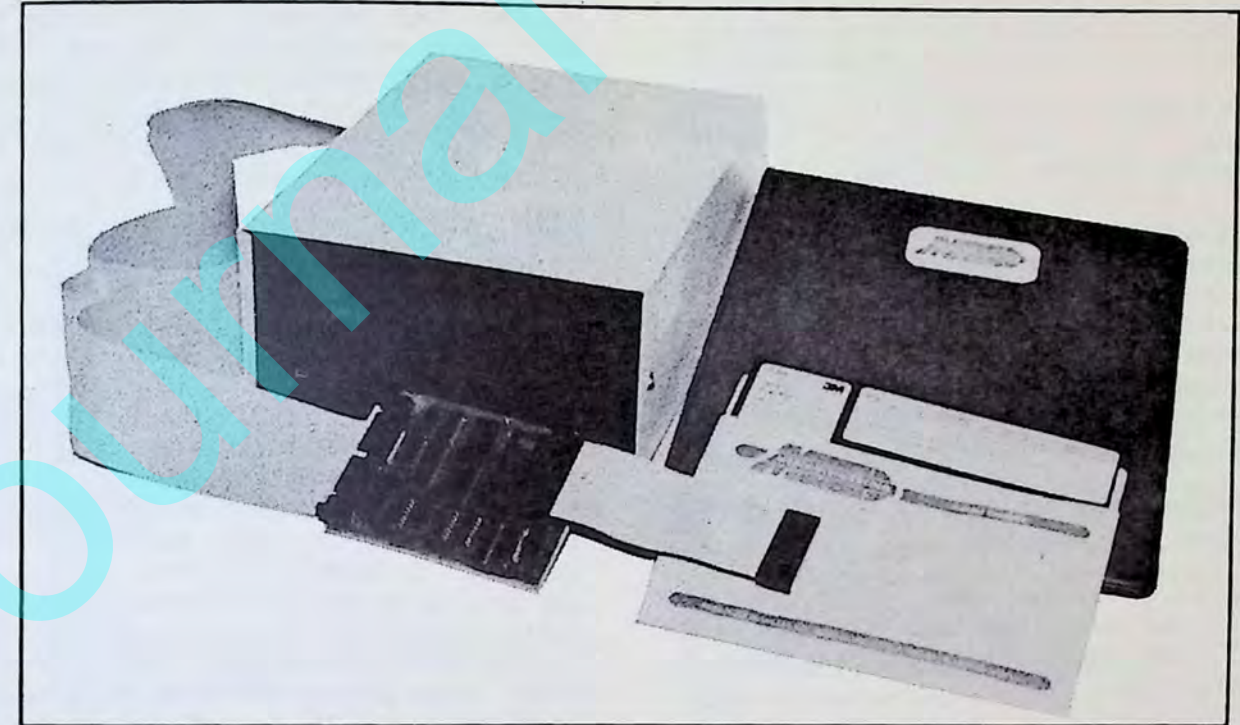
The manual provides you with excellent documentation on the use of these commands, with examples.

My contact at Media Distributing, Brad Gundel, is very professional, and displays an attitude about their products and customers that makes me believe that Media Distributing is definitely a company worth dealing with.

The MD-10 (11 meg sub system) retails for \$2695.00 and the MD-20 (22 meg drive) retails for \$3595.00. Each comes with a full six (6) month warranty.

MEDIA DISTRIBUTING

5 1/4" WINCHESTER SUBSYSTEMS



MD-10

11 MB Formatted Capacity

\$2,695 suggested retail

FULL SIX MONTH WARRANTY

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22 MB Formatted Capacity

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FULL SIX MONTH WARRANTY

A completely assembled and tested Hard Disk Subsystem for Z-80 based Microcomputers utilizing the CP/M operating system including:

Apple (w/CP/M), Osborne, Alspa, Northstar, Godbout, Xerox 820, Zenith/Heath, TRS-80 II (w/CP/M), Teletek, Superbrain, KComp/KPro, Multibus, or any Z-80 S-100 system.

THE Z-80 INTERFACE:

- Supports vectored interrupts
- Plugs directly into the Z-80 socket on the host CPU (requires no special bus)
- Allows for DMA operation (if you already have a DMA system)
- Fully utilizes the capabilities of the Z-80 PIO
- Supports MP/M, OASIS, and other operating systems (with additional software)

OUR SOFTWARE:

- Written in Z-80 assembly language
- Automatically configures virtually any existing version 2.x CP/M to the hard disk subsystem
- Includes SOURCE CODE
- Improved version of BDOS allows users to share a common file area
- Requires less than 2k of overhead memory
- Allows for 1024 directory entries for each logical device
- Utility programs designed to enhance hard disk operation

CP/M Stuff

As promised in our last issue, we will discuss the use of CP/M's powerful transient program called PIP.

PIP stands for "Peripheral Interchange Program". O.K. What's a peripheral? That's anything that is "around" the central computer. Things like ... your printer ... disk drives ... modems ... the Kaypro screen ... and much more. Therefore PIP can interchange information to and between peripherals.

Now that the explanation is over, let's do some work with PIP.

When you first get your disks you are asked to copy them to a formatted disk. Well, this time we will copy one disk to another using PIP.

Place your CP/M disk in drive A and a blank formatted disk in drive B. At the A> prompt type PIP <return>. After a short time a new star prompt will appear (*). At the * prompt type B:=A:*. The drive lights will alternate and your screen will tell you that you programs on drive A are being copied to drive B. As they are being copied they are also being listed on your screen. The difference between COPYing and PIPing is that now your PIPed disk on drive B will have to be sysgened. PIPing places your files in a neat order on the disk for faster access. This as an excellent way to back up your data and programs at the end of each session.

So ... you don't need all the other stuff on the disk. Then let's PIP only one program. Re-format the disk in drive B and get back to the PIP prompt (*) as discussed above. At the * type B:=A:SBASIC.COM. When the * reappears hit <return> the A> prompt will return. Now, type DIR B:. Notice that the onetime blank disk now has the SBASIC.COM file listed.

PIP works both ways ... you can PIP from drive B to drive A by just typing A:=B:(filename). Always type the drive you want to PIP to, FIRST.

At the * prompt type CRT:=A:FAC.BAS. Your CRT screen now displays the program FAC.BAS. Look familiar? Right! It was the same result as if you had used the "TYPE" program we discussed before. This time we used the "interchange" program to move the file FAC.BAS from the disk to the Kaypro screen.

Here's something for you to try. At the * prompt type LPT:=CRT: <return>. The screen will show nothing. Since LPT represents your parallel centronics printer, turn on your printer and get some paper ready. Now start typing. At the end of the line hit the <return>. If you want to print another line hit <line feed> and continue typing. Isn't that something ... you can type an envelope without using a word processor. One drawback ... (didn't you know it?) ... if you make an error you cannot backspace or delete because the error will appear. Now try LPT:=FAC.BAS <return>. Great stuff, CP/M! When you are finished, hold <ctrl> key and type Z. The * prompt will re-appear. Hit <return> and you will be back to the A> prompt.

There is a great booklet called CP/M Programmer's Reference Guide by Sol Libes, the editor of MICROSYSTEMS, and it is offered FREE. Write to Mr. Libes at MICROSYSTEMS, One Park Avenue, New York, N.Y. 10016.

Some of our members have asked us to recommend a publication on CP/M. One of the best is The CP/M User Guide by Thom Hogan and published by McGraw-Hill. Cost is about \$13.00 and is well worth it.

In our next issue we will discuss other "resident" and "transient" CP/M programs and the use of the famous "wild card" method of working with them.

* * * *

Chapter News

Each issue will feature a list of new Kaypro User Group chapters around the country. If you have a chapter you would like to list, send us the name of the person to contact, the address, phone number and any other information you wish to include.

* * * *

Chicago IL
Chuck Davis
433 Elder Lane
Glenview, IL 60025
(312)724-4048

Florida
Bob Spencer
2693 Great Oak Court
Gulf Breeze, FL 32561
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Sacramento, CA
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7001 Brookcrest Way
Citrus Heights, Ca 95610
(916)961-8810

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132 South 20th Street
Philadelphia, Pa. 19103

Boston Computer Society
(starting a Kaypro group)
Robert Waters
23 Derby Lane
Weston, Ma. 02193

Capital Kaypro Users Group
Doug Rickman
Washington D.C. area
(703)455-3432

N.J. Kaypro Users Group
George E. Frankle
6 Bonnie Brae Path
Atlantic Highlands, N.J. 07716
(201)872-0735

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(S M U G)
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Coeur d'Alene, ID 83814
(208) 664-1018

Sno-King Kaypro Users Group of N Seattle
Roger L. Weiss
21505 Jordan Road
Arlington, WA 98223

Austin, TEXAS
Burke Fort
Fort Associates
605 West 18th Street
Austin, TX 78701

* * * *

The following people wish to start chapters in their area. Their addresses are listed so that you may contact them directly. We ask that as the groups are formed, we are notified in order to keep our listings up to date and complete.

G.E. Watson
The Friendly Plumber of Florida
4300 Hollywood Ave.
Pensacola, FL. 32505

Ed Naylor
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Eugene Greenstein
25769 Southwood Road
South Field, MI. 48075

William E. Whittaker
21075 Raquel road
Laguna Beach, CA. 92651
(714)651-2446

* * * *

If you would like a complete list of Local Chapters, send a self-addressed stamped envelope to Ezra Shapiro, c/o NLS, Box N, Del Mar, CA 92014.

Our FREE booklet on starting your own chapter is now available by sending a self-addressed stamped envelope to Chapters, c/o KUG, Box 100, Malverne, N.Y. 11565.

Daisy-Writer, Select and the Kaypro

The Daisy-Writer and other printers used with Select/Kay-Pro

The Daisy-Writer 2000 Printer is not set up to take advantage of its advertised features (Software Control) when used with Select. The Select program utilizes the ESC key to go out of many commands. Software control of the Daisy-Writer requires either the ESC key or the "I" key. Changing the keys of the Kay Pro is not tolerated by Select.

The list of printers supported by Select include Epson MX80, Diablo 630, Microline 80, and others.

The Daisy-Writer 2000 emulates several printers such as IBM-PC, Diablo 630, etc. The protocols of the Daisy-Writer called Daisykey, Daisywriter simply don't work with Select. The IBM-PC protocol is really that of the Epson MX-80.

Even though Select has a call out for OKI MICROLINE, it only works with OKI-DATA 82-A, 83-A if in the INSTALL procedure OKI is called out as Epson! Select's embedded instructions for bold-print and underlining are supported with the OKI, but others, such as font control within the text are not. In order to change type font, pitch, etc. it is necessary to leave Select, make the change, and then return to Select.

I have found that Daisy-Writer will operate successfully with Select if either the Diablo or IBM-PC protocol is selected. As with the OKI, the Daisy Writer will follow underline and bold print instructions. I have therefore called out the IBM-PC protocol, since it is the same for BOTH OKI(82-A/83-A) and Daisy Writer. I am not at this time trying to make the software controls of the Daisy-Writer work with Select.

I have also found that, by selecting the sheet paper option for the Daisy-Writer, I can use both letterhead paper or fanfold perforated paper. The printer halts at the end of each sheet in either case.

The chosen DAISYWRITER dip switch settings, thus for this use are:

SW#-1 2 3 4 5 6 7 8

TOP D D D D D D D D

CTR U D U D D D U U

BOT D D U D D D D D

For quick and easy selection of the Select Program, I have renamed "SELECT.COM" to "S.COM" on the system disk, "A", and, of course, now the same callout serves for both Daisy-Writer and OKI-DATA. It is also useful to log in on Drive "B", and then go B>A:S. This permits defaulting to the B drive, and makes listing of files on the B drive "automatic" without specifying "B:" each time you list.

With the announcement of the newer OKI-DATA 93, I decided to exchange the 83-A for the 93 in order to get higher speed and the "so called" CORRESPONDENCE QUALITY printing. Now, came another surprise—the new OKI 93 does NOT follow the same protocol as the 83-A! With a little experimentation, as previously suggested by the people at SELECT, I found that the OKI 93 CAN be installed as OKI MICROLINE! The Tech Support people at OKI in New Jersey confirmed that they had changed the protocol from the original without mentioning it in their "manual". Luckily, too, the DAISYWRITER would also follow the same OKI MICROLINE installation, so that only ONE Select file is necessary on the System Disk to use BOTH printers. If you change printers as I have, the re-installation procedure in the Select Manual on page 8 is very simple and fast.

(continued)

When you first install a printer in the SELECT program and test it, if you call out PRINT-FINAL, and you get the printout of user instructions, you may not have selected the correct printer callout. But, before you go ahead and pick out another printer callout, try toggling off the printer by means of Control P and let the program re-toggle the printer. It probably will work! The simple rule seems to be that the printer should be in the "toggled-off" state when you log into Select. In other words, if when you type "Select", the printer types out A: Select use Control P to de-activate the printer, and retype Select.

The settings for the dip switches on the OKI 93 for use with Select on the Kay-Pro are all in the OFF position.

Although this is basically written about Daisy-Writer and OKI printers, it might be interesting to note that I have tried the new Smith-Corona Daisy TP-1 with Select/Kay-Pro. Unfortunately, it does not work since there is an extra line feed with each <CR> that can not be eliminated by the printer. There are NO user set switches in the TP-1, and the manufacturer has no plans to add them. Further, the TP-1 does not use a "standard" ASCII wheel. There are several characters missing on the TP-1 wheel. No new standard wheels are available at this time. Too bad, since the price seemed to be "right".

Robert A. Waters

Weston, Massachusetts

HELIX

Winchesters Now Available For The KAYPRO and other Z-80 Computers

- Z-80 adaptor card leaves external ports free and increases the speed that your information is displayed



- Easy to install
- Easy to follow instructions
- Ribbon cable disconnects for portability

5 mb — \$2500.00

10 mb — \$2800.00

17 mb — \$3000.00

23 mb — \$3300.00

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U.S. & DOMESTIC \$12.00
CANADA & MEXICO \$18.00
INTERNATIONAL \$24.00 (U.S. FUNDS)

Back issues, when available, are \$2.50 each plus shipping. Send payments to: Kaypro Users' Group, Box 100, Melverne, NY 11565.

Although it is a policy to check material placed in the KUGRAM for accuracy, KUG offers no warranty either expressed or implied, and is not responsible for any losses due to the use of any material in this newsletter. Articles submitted by users and published in KUGRAM, which describe hardware modifications, are not supported by Kay Computers or Non-Linear Systems.

KUG is provided as a service to its members for the purpose of fostering the exchange of ideas to enhance their usage of Kaypro Computers. As such, little or no evaluation of the program or products advertised is performed by Kay Computers, in general, and KUG in particular. The prospective user is hereby put on notice that the programs may contain faults the consequences of which Kay Computer in general and KUG in particular cannot be held responsible. The prospective user is, by virtue of obtaining and using these programs, assuming full risk for all consequences.

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 phone service is only used for those members who would like information sent to them but would rather use the phone to save some time. All information, however, will be sent by mail and will not be answered by phone. Members should have their I.D. numbers ready to give to our operators.

LIBRARY

Try it-You'll like it

KUG is in the process of developing the long awaited listing of disks available from the KUG Library. We are evaluating many of the public domain programs and should have a directory by next issue.

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

#102 (Games) ELIZA & GOLF + misc.

#103 (Modem) Modem795 for the KUG BB

#104 (Helps) HELP CP/M, MBASIC + others

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 and number and your mailing address and I.D. number.

Allow 4-6 weeks for delivery.

COMMENT

**THIS SIMPLE PROGRAM MERELY PRINTS TEXT
**TABBED TO THE SINE FUNCTION. THIS
**PROGRAM MAY BE PERSONALIZED BY
**CREATING A DOCUMENT IN SOME WORD PRO-
**CESSOR, APPENDING THIS PROGRAM, MOD-
**IFYING THE PRINT TAB LINE AND THEN
**COMPILING. PRINTED OUTPUT IS ABOUT
**24 INCHES IN LENGTH

END

VAR R,RR=REAL

VAR NT=INTEGER

R=0

10 RR=SIN(R)*12

NT=RR+30

PRINT TAB(NT);"WELCOME TO KUGLAND!"

R=R+.2

IF R>28 THEN GOTO 20

GOTO 10

20 PRINT TAB(20);"THAT'S ONE BIG HI!"

COMMENT

**SUBMITTED BY LARRY DOFF

**FALLS CHURCH, VA

**703-256-3018

END

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