

KUGBB MOVES TO NEW YORK

If you tried to access the KUG Bulletin Board in Chicago recently, you probably received a recorded announcement that the number has been changed to 516-747-8308.

In fact, telecommunications within the KUG community have been expanding at a very fast rate. The Bulletin Board is now being "sysoped" by Frank Fallon, a knowledgeable Kaypro user and a ham radio operator. Now with KUGBB closer to our headquarters on Long Island, the Kaypro Users' Group will be able to serve you more efficiently.

The Best of KUGBB will continue to be a feature of the KUGRAM and as more members access the board, more information and tips will be available.

The CompuServe KUG SIG (Kaypro Forum) at PCS 25 is also being "sysoped" by Frank Fallon. Frank has added many new features to the SIG. In fact, many public domain programs have already been up-loaded including the complete set of 70 listed in PeopleTalk's book, *The FREE SOFTWARE HANDBOOK*.

The KUGBB is accessed about 1,000 times per month and acts only as a Bulletin Board. Kaypro SIG is accessed about 3,000 times per month and allows up-loading and down-loading of programs.

The KUGBB in Chicago was initiated by Ira Gerson in March of 1983. It was his idea that KUG have its own CBBS. It was also Ira's thought that KUGGERS should be able to down-load and exchange programs through CompuServe. His thoughts and ideas bore fruit only because of his initiative and hard work in getting both "off the ground."

THANKS and WELL DONE, Ira.

KUG has received many requests to inform its members about the use of modems and the modem software. It was also suggested that KUGRAM have a column on telecommunications.

Starting with this issue, Frank will be writing about modems and modem software and KUGBB and CompuServe SIG and many other areas of electronic communication. The column is titled "The Sysop's Corner."

In it Frank will be discussing which modems seem to work best with the Kaypro, the different software packages available, (commercial as well as public domain). You will learn how the various versions of Modem 7 or XModem are used; how to use the KUG Bulletin Board to send and receive messages; the methods used to down-load programs from CompuServe; and how to save time so that the phone bills don't get too high.

Special sections on the Kaypro SIG are being set aside for special interest groups within the KUG community. A section for local KUGS to announce their meetings and special occasions might be one area. If you have any ideas on how these should be used or by whom, let Frank know about it. He can be reached at KUG headquarters.

To help get you started, KUG has been discounting the CompuServe starter kit with five hours free time for \$35.00. Now, KUG will be shipping a FREE disk of modem software with each CompuServe kit. We would like to see a closer KUG community and we think that telecommunicating is the "way to go."

Listen, if you're free for dinner, give me a call on the KAYPRO



Box 100



Dear KUG,

I have thoroughly enjoyed (and greatly benefited from) the KUGRAMs!

My question stems from my situation here in the Third World. Our electrical power goes out two or three times a day, which obviously plays havoc with my computing. I know that uninterruptable power sources are available in the marketplace, but they're absurdly expensive here. So, the question is, could I make my own version of such a device by bypassing the transformer in my Kaypro II and hooking it up directly to, say, an automobile battery? If so, I could presumably maintain a charge in the latter with an ordinary battery charger. Without technical training, I don't know what the problems would be with such a hook-up. Can anybody up there help me? Thanks for whatever light you can shed on this!

Stan Slade
Instituto Teologico Bautista
Apartado 248
Santa Ana, El Salvador

* * *

Dear KUG,

While it is normally good to see one's name in print as in Vol. 2 no. 5, the excerpt from my message #02265 is misleading. Message #02265, stating that the built-in modem wasn't type certified, was entered on the KUG BB on 3/16/84. At the time it was written, it was true. It no longer is true. The notice that I received informing me that the modem was type certified was postmarked on the 17th of May. An editorial note saying something to the effect that later information made it incorrect would have been helpful. I hope that the worst that happens as a result of it all is that some will take me for an ignorant fool and dismiss it.

Grant Blowers
203 Little John
El Paso, TX 79924

(Ed. note...Definitely not YOU, Grant)

Dear KUG,

As a lawyer, I am using WordStar to prepare letters, pleadings and other legal documents. "The Backgrounder" from Plu-Perfect Systems has allowed me to program a number of function keys so that WordStar functions much like a dedicated word processing system. An excellent program called "Eureka!" from Mendocino Software of Willits, CA, resides on my WordStar disk and keeps a master catalog of my word processing files, including up to 90-character comments on the contents of each file, the date the file was created, and up to two more small comments.

Perfect Calc has proved very useful in doing the income and payroll accounting for our small firm.

I recently purchased an outline-processing program called "KAMAS" which is proving invaluable in preparing outlines for my trials. I had earlier used a database program called "Citation" for this purpose, and while it is an excellent program and proved much better than my old manual methods, it is somewhat cumbersome for my application as compared with KAMAS.

As soon as finances will permit, I plan to buy a modem and hook up to a legal database called Westlaw.

My printer is an Okidata 84 Step 2 with a cut sheet feeder. The correspondence quality mode is quite acceptable for my letters and pleadings, and I wanted the high-speed data mode available for printing drafts and files downloaded from Westlaw. The printer and sheet feeder have been operating flawlessly, and I highly recommend the setup. Among other things, the sheet feeder allows the use of our regular office stationery and permits feeding both legal length and letter length paper as the need arises.

Comments from other attorneys using Kaypros would be greatly appreciated. If there is enough interest, we might even try forming a LawKUG.

Stephen C. Scott
11 N. 7th St.
Columbia, MO 65201

Dear KUG,

StylePerfect Associates, an independent review and documentation organization, offers a new rating service for the Kaypro user community.

There will be three types of ratings: Initial, General and Special. All three will be based on a scale of one to ten, with a rating of ten representing the best programs. Few nine or ten marks will be awarded before 1986.

Initial Ratings will be based on first impressions of reviewers who are new to a given program. These ratings indicate how easy-to-run a program may be for persons with limited needs or little time to study manuals. Initial Ratings may change as reviewers have an opportunity to test software in-depth and issue General Ratings.

General Ratings will be based on the usefulness of a program for the general Kaypro business, academic and professional user. Packages which have limited appeal may receive low ratings in this category and high ratings in the Special category. The main considerations will be documentation, ease-of-use, error-handling, and features. As regards features, the main concern will not be the sheer number available, but rather, "How many well-designed features does a program offer—and how useful are these procedures to the general user?"

Special Ratings will evaluate how well a package delivers on its promises in filling the needs of a less-than-general niche of the user public. These ratings allow good programs which may appeal to only a small group of Kaypro users to be evaluated on their merits.

Many of the ratings published by StylePerfect in the near future will be Initial Ratings.

Many of the reviews now being written will be included in upcoming editions of "The Sourcebook for the Kaypro."

David Gilbreth
StylePerfect Associates
P.O. Box 18240
East Hartford, CT 06118

Dear KUG,

Perfect Filer can be used to generate simple graphs. I use the program to manage the subscription list for a weekly newspaper with about 250 subscribers. In addition to printing mailing labels, printing renewal notices, and generating the various reports needed for the post office, Perfect Filer also yields graphs of renewals each month, and of subscribers in various areas.

The following graph shows subscriptions due for renewal each month. Note that the only logical field referred to is in the sort key: "expdate.month," a field derived from the database member element "expdate," a date template.

	5	10	15	20	25	30
01						
02	oooooooooooooooooooooooooooo					
03	oooooooooooooooooooooooooooo					
04	oooooooooooooooooooooooooooo					
05	oooooooooooooooooooooooooooo					
06	oooooooooooooooooooooooooooo					
07	oooooooooooooooooooooooooooo					
08	oooooooooooooooooooooooooooo					

Here is how the list was defined:

- I. LIST HEADING
 - Field Number 1: <String> "cr"
 - Field Number 2: <String> " 5 10 15 20 25 30"
 - Field Length = 50; Position = Left Justified
 - Field Number 3: <String> "cr"
 - Field Number 4: <String> " | | | | | |"
 - Field Length = 50; Position = Left Justified
- II. PAGE FORMAT
- III. MEMBER FORMAT
 - Field Number 1: <String> "o"
- IV. SORT KEYS
 - Key 1: Logical Field Type; Sort by expdate.month; Ascending sort
 - Subheading fields:
 - Field Number 1: <String> "cr"
 - Field Number 2: <Logical field> expdate.month
 - Field Length = 4; Position = Left Justified

James L. Swanson
Box 549
McBride, B.C., Canada V0J 2E0

Dear KUGGERS,

I am a State Representative in Maine and I often find myself assisting other candidates in their election campaigns.

In my official duties I am involved with constituent casework, preparing news-letters and questionnaires among others.

Here are my two queries:

1) Does anyone know of any campaign oriented software programs compatible with the Kaypro II?

2) Do any KUGGERS know of software which would be helpful in my official Legislative duties?

James R. Handy
State Representative
31 Homefield St.
Lewiston, ME 04240

* * *

Dear KUG,

I have yet to find any physicians who happen to own a Kaypro. (The ones I know have gone the IBM or APPLE way.) I would appreciate hearing from MD Kaypro users. I am more interested in clinical programs than financial ones, but anything will do.

Victor A. Diaz, M.D.
Park Plaza Center
2257 Michael Drive
Newbury Park, CA 91320

* * *

Dear KUG,

An anti-glare screen for the Kaypro CRT can be made from a piece of discarded ladies' sheer black stocking, stretched and glued to a light wood or bamboo frame of a size to fit snugly over the CRT bezel.

It's not as good as the commercial models, but one can't complain about the price! And it is a significant improvement over a bare tube.

Ernest Hutton
501 South Ellison Lane
Waynesboro, VA 22980

Dear KUG,

A defect of WordStar is that, unlike Perfect Writer, it has no command for printing multiple copies of a file. If you want more than one copy, you have to tell it to print the first; then, when it has finished, tell it to print the second, and so on. Fortunately there is a remedy, with the aid of EX.COM, a public domain utility that effectively supersedes CP/M's SUBMIT and ZSUB. EX can be used either to execute a previously created .SUB file or interactively. In this case the interactive mode is more convenient.

There are two methods available. Method 1 is more suitable if a large number of copies is to be printed. Assume that you want multiple copies printed of a file named TEXT, which is in drive B. At the A>type: EX <CR>. Then type the following successive lines:

```
ws <CR>  
P B:TEXT <ESC> <CR>  
X <CR>  
:<CR>
```

Turn on the printer and type <CR> again; EX will cause WordStar to continue printing copies of TEXT until you stop it with CTRL-C.

Method 2 is more suitable for printing a small number of copies, or if you want to leave the printing unattended. Omit the last two lines of the program in Method 1, type in as a third line a repetition of the second, and go on repeating that until you have as many P B:TEXT...lines as you want copies printed. If you want four copies, the sequence will be:

```
ws <CR>  
P B:TEXT <ESC> <CR>  
P B:TEXT <ESC> <CR>  
P B:TEXT <ESC> <CR>  
P B:TEXT <ESC> <CR>
```

Turn on the printer, and type <CR> again. EX will now cause WordStar to print four copies of TEXT, and will then stop by itself.

A.D. Wozzley
655 Kearsarge Circle
Chafloottesville, VA 22901



COMMAND CENTRAL

\$ 30.00

REVIEWED - KUGRAM 2-5 (OCT 84) PAGE 6

COMMAND CENTRAL IS COPYABLE AND LICENSED FOR TWO USERS
SHARE COSTS WITH A FRIEND!

"BUSY" ADD?? - You betcha! - At MapleSoft, What you see **is** what you get

FEATURES:

NO BOOTS: As CC is resides entirely in memory and always makes a drive R/W before writing to it, you can freely insert and remove new diskettes from any and all drives - **NO REBOOTING!** Even the CCP commands ERA, DIR, TYPE, REN, and USER are replaced so you don't have to exit CC. And no need for CC (or any other utility) to take up precious storage space on program and data diskettes

EXTENSIVE WINDOWING: Prompts, reports, status, and input always appear at the same place on the screen - so you always know where to look. Windowing greatly speeds up operation and eliminates distraction as only the portion of the screen that needs updating is affected. There are 198 windows on the Command screen: CURDRIVE, CURUSER, FILE (x64), POINTER (x64), TAG (x64), PROMPT/INPUT, CURFILE, REPORT, and STATUS

FLEXIBLE CURSORING: CC's current file pointer (==>) responds to WordStar and Perfect Writer cursor commands as well as to the KayPro arrow keys - or just hold down the spacebar or backspace key and watch it zip back and forth!

READY TO RUN: CC comes ready to run for all KayPros - absolutely no installation needed

SAFETY: All "serious" commands are queried in the PROMPT window before they are executed - no more boo-boos! (e.g., "Erase CHAPTER3.MSS (Y/N)?")

3000+ FILE CAPACITY: CC can handle hard disk directories of over 3000 files. <Go To File and Next/Previous Screen commands are included to ease navigation of those really big hard disks

ON-LINE MENUS: There are two menus available at the touch of a key (see below). Note that CC responds to "/" as well as "?" - typical of the many convenience features of this program

ON-LINE HELP: In addition to the command menus, CC has built-in help screens for all complex commands - just press "/" when prompted

EASY TO USE: CC displays a full 64-file directory at once - so you see what's there, what's been tagged, etc. The current file is indicated by a pointer (==>) and its name is displayed in the CURFILE window. All commands are mnemonically-sensible single keystrokes (P for PRINT, C for COPY, etc) and, as applicable, operate on the current file - never type its filename!

SPEED: CC is fast! Written in efficient Z80 assembler, this 16K program loads and executes rapidly. Use of windows and optimized disk I/O greatly speeds up operation

USER AREAS: User numbers are great if you need them, a pain if you don't. They are fully supported but transparent - if you never mention them, CC will assume good old User 0

ERROR TRAPPING: CC has extensive error-trapping built-in so you see prompts such as "Sorry, that drive does not exist" instead of the fatal "BDOS ERROR ON X: SELECT"

UNIQUE COMMANDS: CC has five very special commands to make diskette management a breeze:

- o **STRING SEARCH.** Searches file or group of files for any number of strings reporting filename, line number, and context for each match
- o **BAD BLOCK LOCK-OUT.** Locks out blocks on diskettes so diskette remains usable. With CC you can even recover the 99+ per cent good data on the affected sectors!
- o **ID FILES.** Create an empty (0 Kbyte) file in the diskette directory for identification or dating (e.g. "-KMG.003" or "-12_JUL_84"). The leading "-", if you use it, ensures that the file always appears first in sorted directories.
- o **SORT AND PACK DIRECTORIES.** The <Sort command reads in a directory, sorts it into alphabetical order eliminating deleted and empty (except those beginning with "-") files and then writes it back to the diskette. Then even DIR gives an alphabetical listing
- o **BITMAPS.** Gives a pictorial display of blocks used/unused on the logged-in diskette

Main Command Menu:

```

<<<  COMMAND CENTRAL  >>>

One File          Many Files
<C> Copy with verify  <B> Batch tag/untag
<E> Erase file        <M> Mass copy tagged/untagged
<F> File size        <Z> Zap (Mass Erase) tagged files
<G> Go to file
<P> Print file to LST: device
<R> Rename file
<T> Tag file with "*"
<U> Untag file
<V> View file with page/line scroll

Drives
<A> Available space on disk
<I> Indicate blocks used/unused
<J> Junk (lockout) bad blocks
<L> Login new drive/disk
<N> Number of files on disk
<S> Sort and pack directory

Miscellaneous
<D> Draw new screen (refresh)
<H> Hunt for string(s) in file(s)
<X> or <ESC> Exit to CP/M
<W> Write a disk ID file
</> or <?> Display this menu

<.> Display arrow keys, Perfect Writer and WordStar cursor commands
*** Press Any Key To Display Directory ***

```

The Cursor Command Menu:

```

<<<  COMMAND CENTRAL  >>>

CURSOR COMMAND MENU

MOVEMENT          KAYPRO          PERFECT WRITER          WORDSTAR
Up Cursor         Uparrow,      ^K          ^P          ^E
Down Cursor       Downarrow,    ^J          ^N          ^X
Left Cursor       Leftarrow,    ^H <bs>     ^B          ^S
Right Cursor      Rightarrow,   ^L <sp>     ^F          ^D
Next Screen       <+>          ^Z          ^C
Previous Screen   <->          ^V          ^R

```

Typical Command Display:

```

<<<  COMMAND CENTRAL  >>>

Directory for Drive: B  User Area: 0

-UTILITY.002    ASM      .COM      BAUD     .COM      BMAP     .COM
CC              .COM      CONFIG   .COM      COPY     .COM
D              .COM      DDT      .COM      DIRLABEL.COM
DUMP           .COM      ERA8     .COM      F1       .COM
FIND           .COM      FINDBAD .COM      FIXKEY   .COM
LIST           .COM      LL       .COM      LOAD     .COM
PIP            .COM      PIPIO   .COM      RPIP     .COM
SETDISK        .COM      SETIO   .COM      SHOW     .COM
SK             .DEF      SMART   .SUB      SMARTPRN.COM
SMSPEC         .PRN      SMSPEC  .REL      ==> SMSPEC .Z80
SP             .DOC      SPN     .DEF      SPOOL   .COM
SUBMIT         .COM      SWAP    .COM      SYSGEN  .COM
UNERA         .COM      UNLOAD  .COM      WRITE   .COM
XSUB          .COM      ZAP     .COM      XDIR    .COM

Command (/ or ? for Menu):
Current File: SMSPEC .Z80  Copying File SMSPEC .REL  File Verified

```

MapleSoft
Box 13356, Kanata PO
Ottawa, Ont, Canada K2K 1X5

K

PLEASE SEND: _____ COPIES OF COMMAND CENTRAL @ \$30.00 (U.S.) EA COMPLETE.
_____ COPIES OF SST @ \$29.00 (U.S.) EA COMPLETE

ENCLOSED IS A [] CHECK [] MONEY ORDER FOR \$ _____ TO COVER KAYPRO
SSDD DISKETTE, MANUAL, HANDLING AND AIRMAIL.

I UNDERSTAND I AM CAN RETURN THIS MERCHANDISE FOR A FULL REFUND IF NOT
COMPLETELY SATISFIED.

NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

SST STILL AVAILABLE FOR KAYPRO II AND 4 WITH EPSON-COMPATIBLE PRINTERS
SEE REVIEW IN KUGRAM 2-5 (OCT 84) PAGE 6 AND ADDS IN KUGRAM 2-2, PAGE 19
AND MICROCORNUCOPIA #16, PAGE 14

CLUBS: BULK ORDER PRICE - 5 OR MORE - HALF PRICE

Dear KUG,

KUGRAM Vol. 2 no. 5 arrived here this afternoon and, as usual, I dropped everything else. Every issue I have received has carried at least one exciting trick that I could use.

And I am intrigued about Judge Lewis Kapner's accidental find of a new use for the Esc...<number>, Esc...Q commands.

This facility "happened" to me by accident, as it did to Judge Kapner. I was doing a document that had a few indented figures for which I was using the tab. I don't have many hangups when using this Kaypro II keyboard instead of my IBM typewriter; but I do find that I frequently touch the escape key instead of the tab. This lands me in some peculiar situations now and then.

I don't know of any good use for designing documents in single-word lines but I have found the Esc...<number> and Esc...Q commands (always in a Flushleft environment) very useful in writing letters on A5 stationery and inside Christmas cards of various sizes. These commands are also useful in bringing a small widow-word into the last line of a paragraph and in "trimming" the unjustified right margins when they're too ragged. Esc...66 or 64, or maybe even 63, followed by Esc...Q, can move the widow-word or neaten the margin without a lot of phaph...faph...faff... phaffing around.

I find I can write fairly lengthy messages inside Christmas cards, dodging the printed legends by designing the document in two different widths, using Esc...35 (or whatever fits the card) for the first part, followed by a section written on Esc...60 (or whatever).

Because I live out in the sticks, 500 kilometres (about 300 miles) from the nearest Kaypro dealer, I had to teach myself the whole thing -- PW, PF, PC and The Word Plus.

Okay, so I'm crowing. Wait until YOU do something new at 63.

Alice Theron
41 Fourie Street
BOSHOF, South Africa 8340

Dear KUG,

PERFECT CALC: "Preserved Answers"

This is my solution to a problem that is common to most multiple-file spreadsheets—that of the "disappearing answers." When there is an exchange of information between the several buffers of a spreadsheet, it often becomes necessary to delete a buffer to make room for a new one. The result is that some of the remaining sheets may show errors, since their source of information has disappeared.

The solution is to create a reference file to act as a central information exchange, and to keep it in the buffer always. This file will have three columns. The first column will contain all the formulas that extract information from the sheets. The second column is a "type-in"; you enter (type in) column one data as it is refreshed. The third column is a status indicator and is the difference between the first two. When column three shows an error, it means that the pertinent sheet is not present. You must judge for yourself whether the information in the second column is current. When this column shows a number, it indicates a "fresh" answer in column 1 from a current spreadsheet and is the cue for you to re-enter column 2. The "asking" files naturally will obtain their values from the second column.

To illustrate one line of a central file called REF:

```
Col: (a) .....(b) .....(c)
(1) A[e58] 750.00 c1 = a1 -b1
```

In line 1, cell 'a1' of REF finds the value of cell e58 in spreadsheet A; we type (and thus preserve) its 'found' value of 750.00 into cell 'b1' for use by sheet X. Sheet X can gain access to that value by use of 'REF[b1]'. Cell c1 acts as a status flag that signals action required if a number appears.

Of course, when the REF sheet is saved along with the others, the answers are preserved also.

John C. Polasek
59 Interlaken Rd.
Orlando, FL 32804

Dear KUG,

My admiration for your product, the KUGRAM, is truly boundless! I've been reading it since your first issue was sent to St. Paul's Episcopal Church in San Rafael.

I'd like to compliment Mr. Miller who, in Vol. 2 no. 5, described an imaginative method to change translation tables in mid-text by making a little-used character over into an "ESCAPE" signal. In this manner, he can call for the "ESCAPE" sequence: "ESCAPE AMPERSAND" to turn on the Greek translation table and "ESCAPE DOLLARSIGN" to turn on the U.S. (English) translation table. He then states that the disadvantage to this procedure is that Perfect Writer thinks it is typing two characters and leaves an appropriate amount of space for them. This results in imperfect blocks of justified text.

I would suggest to Mr. Miller that, by using the PFCONFIG program, he can change the width of the character which he uses for the new "ESCAPE" key. This could be reduced to ZERO which would cut his problem in half. As far as the ampersand and dollar sign are concerned, he might try a similar trick with them if he has enough "little-used" keys. Merely assign these keys to the ampersand and dollarsign meaning and reduce their width to ZERO also. Then his problem would disappear.

Looking at page 31 of Vol. 2 no. 5, I notice that you have not yet changed the KUG BB information to reflect the deletion of the Chicago BB and the institution of the New York BB. The new phone number is 516-747-8308.

I think there is a problem in Bruce Frank's letter on page 10 of the same issue (Vol. 2 no. 5) On page 11, Bruce refers to "n and n+1 for 54 and 55 in the second line." Looking back on page 10 at the "second line" I see "54MOX54LXBLR"; in other words, 54 and 54, not 54 and 55.

John L. Wash
P.O. Box 318
Navarro, CA 95463

Dear KUG,

Like everyone else who writes you, I too begin by praising the KUGRAM newsletter, and those who are responsible for publishing it. It always has useful tidbits or bigbits, and in itself creates and maintains an implicit community of people around the country, and increasingly around the world, which provides a certain sense of connectedness, of which we can use all we can get. Maybe Kaypro will start selling in the Soviet Union, and Kaypro User Groups can become a force for peace and cooperation between East and West.

I have one offering, and unfortunately it is not worked out because I use Perfect Writer rather than Wordstar. But I am aware of Wordstar users' lament about not having the yankback feature of Perfect Writer. Having recently obtained a keyboard definition package, it has occurred to me that one could use it to define keys for use in Wordstar that would write a marked section of text to a temporary file (for example, called buffer1) on disk and then bring it back in a manner similar to yankback, though inevitably slower. Indeed, I can imagine creating a number of "buffers" in this way, analogous to Perfect's 7 buffer capability. By naming such files and tailoring keystroke definitions to address them in a consistent way for a particular document (e.g., bufscnt1, bufscnt2, etc.), one could create a shorthand directory command incorporating a wildcard (again, using the keyboard definition package) to replicate Perfect's buffer directory. Not having tried this technique in fact, I can't actually attest to its adequacy, but it seems like a reasonable idea unless the response time is too slow.

By the way, the reason I refer to a "keyboard definition package" is that I didn't buy Smart-Key II but rather one named Xtrakey. Xtrakey is substantially cheaper and has numerous advantages over Smart-Key II. More information can be obtained from Xpert Software, 8865 Pollard Ave., San Diego, CA 92123.

David A. Weckler
633 8th Ave.
San Francisco, CA 94118

Dear KUG,

One of the things which constantly bugs me is the form of the Kaypro documentation, i.e. the books. You can not lay them open. So, what I would like to do is cut off the backs of all the books, punch them and insert them in loose leaf binders. It seems impossible to find the right size binders. I have talked to binder manufacturers here in Houston and the problem is that they have to make a special die for each size of binder and the cost of the die is such that they need an order for 500 or more to make it even remotely economical. I would still like to be able to purchase a set. Hence, if enough of our members will write to me with commitments for quantities of 1", 1-1/2", and 2" binders I think we could get the price down to \$6.00 or so.

Bill Brown
P.O. Box 462
Port Gibson, MS 39150

Dear KUG,

Before all, just a little word to tell you I'm really happy when I receive my KUGRAM in the mailbox. It's really a precious tool.

I resolved the problem of ventilation quite simply. I purchased an air cleaner and managed to direct the draft so that it strikes the holes of my Kaypro II. There are more efficient solutions, I know. But this one has its advantages: 1) air that is pushed into and that passes through the computer is clean; 2) it refreshes me a bit, and 3) it's cheap.

Jean Paul Le Bourhis
8286 Drolet
Montreal, Quebec
Canada H2P 2HC

Wanted

We are getting requests for printer configurations using Wordstar version 3.3 and we do not have these on file. If you are using a printer with WS version 3.3, please send us the config information so we can help other members.

Dear KUG,

What do you do when you've typed a document on Perfect Writer and try to save it on file, only to get a "Read Only" error message because you changed disks in drive B and forgot to do a CTRL-X CTRL-C? The last time that happened to me, I decided to check into the PW.SWP file to see how much of my document was there. I was disappointed that TYPE PW.SWP did no good. So I wrote the following SBASIC program, which did the trick:

```
VAR X=CHAR
ECHO OFF
ON ERROR GOTO 1.PRINT
1. AGAIN INPUT #9;X
1. PRINT IF X<32 OR X>126 THEN PRINT
ELSE PRINT X;
IF INP(5) =16 THEN BEGIN
IF X<32 OR X>126 THEN PRINT #1; ELSE
PRINT #1;X;
GOTO 1.AGAIN
```

I called this program SWPSAVE, and loaded it in Drive A, my PW disk in Drive B, and typed: SWPSAVE B:PW.SWP. The computer displayed for me the ASCII contents of PW.SWP, and most of my document. (Exit the program by typing CTRL-C.) After viewing it a couple of times, I had an idea of where my document started and stopped in the SWP file. Then I ran the program one more time with my printer on. When it got to where my document began, I hit CTRL-P, "print it." Hitting any other key stopped the printing. I still had to retype my document into a new file, but at least not all my creative muse had been lost on a dumb warm boot.

Ron Friedrich
1101 Woodcrest Dr.
Garland, TX 75040

A Nice Thought

We recently received a check for renewal to the KUGRAM. Enclosed with the check was this printed notice:

"The road to success is always under construction but together we've just paved a few more miles."

This was meant for all KUGGERS.

THE BREAD BOARD SYSTEM

A REVOLUTION IN COMMUNICATION SYSTEMS

Copyright©1983 by Philip L. Becker

\$299.95 Plus Shipping and Handling \$2.50

Who says remote computer communication has to be tricky? Whoever they are, they're wrong. Why must it take a programmer to set up and maintain a personal communications system? It doesn't anymore! TBBS offers a fast, friendly, flexible, easy to use and responsive approach to remote computer communications which is as easy to set up and use as a spread sheet.

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13. System requires a Kaypro Computer with at least 400K of disk space, a hardware clock/calendar, CP/M2.2, and an auto-answer 300 or 300/1200 baud modem. (NOTE: 1200 baud requires a specially modified cable.) We also support many other CP/M 2.2, MS-DOS 2.XX and Radio Shack TRS-80 Models I, III and 4 computers.

14. To see what we are talking about call TBBS headquarters at (303) 690-4566. TBBS has to be used to believe!

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Two P W Tips

CHANGE CASE

One undocumented feature of Perfect Writer changes the case of the letter the cursor is on. An upper-case letter becomes lower case or a lower-case letter upper case.

The command is Ctrl-^, which is the control key followed by the arrow found above the 6. Thus, hold down the control and shift keys simultaneously and type 6.

To make it a one-touch command, configure a keypad key to 1E hexadecimal.

CHECKING DISK SPACE

A sometimes frustrating aspect of Perfect Writer is the need to exit to CP/M to check the amount of space used on the disk. An easier way is to use a SUB file.

Put the SUBMIT.COM and STAT.COM files from the CP/M disk on the disk in either A: or B: drives. (Kaypro II users will find there's not enough room to put it on the packed-full Perfect Writer disk in the A: drive.) Create a file called STAT.SUB on the same disk. Here's the one I use:

```
B:STAT
MENU
```

When you want to check the disk space remaining, go to the menu and select option C (Send a command line to CP/M). Then type:

```
B:SUBMIT B:STAT
```

(Obviously, if the files are on the A: drive you omit the B:.)

The result will be to exit to CP/M, flash the status of both disks and return you to the menu.

Stan Strick
4514 75th St. SW
Mukilteo, WA 98275

SBASIC Programs

The CP/M command "TYPE FILENAME CTRL-P" is nice for printing a text file quickly. However, my printer does not properly interpret the TAB character, and I have grown weary of having "A>" typed on the bottom of the page. I've written the following SBASIC program to beat both problems. I call it "PRINT.BAS."

```
VAR LETTER=CHAR
VAR TABCOUNT=INTEGER

REPEAT BEGIN
FOR TABCOUNT=8 TO 1 STEP -1
  INPUT #9;LETTER
  CASE LETTER OF
    9: PRINT #1;SPC(TABCOUNT);
    26: REM DO NOTHING (EOF)
    LETTER: PRINT #1;LETTER;
    END
  IF LETTER<32 THEN TABCOUNT=1
NEXT TABCOUNT
END UNTIL LETTER=26
PRINT #1
```

I run the program by typing: PRINT B:FILENAME.EXT. The program will send text file called "FILENAME.EXT" to the printer.

How can you get a truly random number in an SBASIC program?

```
VAR X=CHAR
VAR R=REAL
$LINES rem line generation off
PRINT "[Instructions/Delay tactic]"
PRINT "Hit a key to continue."
rem Clear keyboard buffer:
INPUT3 #5;X
INPUT3 #5;X
rem Here's the routine:
REPEAT BEGIN
  R=RND(1)
  INPUT3 #5;X
  END UNTIL X>|0
rem Continue with program...
```

The REPEAT routine will keep running through the SBASIC list of random numbers until a key is hit. The result of the routine will be an unpredictable random number (R) and usable keyboard data (X).

Ron Friedrich
1101 Woodcrest Drive
Garland, TX 75040

Time to RENEW!??

Book Review

by Katherine Loukides

Perfectly Serious...An In-Depth Look at Perfect Writer by Kristin A. Farry approaches that word processor as a programming language. The author speaks to the experienced user, the user who understands basic commands and wants to take advantage of the full power of PW.

Her efforts are successful. She helps the reader develop an understanding of the grammar of the word processor, "the general rules governing the behavior of file formatting." Thus, Ms. Farry makes sense of the examples given in the Perfect manuals.

The author draws a distinction between Perfect Writer the word processing editor, and Perfect Writer the full program, which includes the editor, the formatter and the printer.

In the eight chapters which comprise Parts I and II, Ms. Farry discusses user-defined variables; the difference between @REF and @VALUE; nesting variables; @INCLUDE for formatting and printing long documents; sectioning commands; pagefooting and numbering pages; and handling figures, tables, and endnotes.

Part III covers PW's font-changing commands. Seven-bit and eight-bit character translation and width tables are accompanied by detailed pfconfig explanations and examples. Also included is an ASCII conversion table.

Especially valuable are the sections containing lists of commands that can be copied verbatim (no pun intended, PW fans) or easily adapted for formatting your own lengthy manuscripts.

Perfectly Serious offers clear and concise, yet thorough, explanations which are followed by examples that cover a variety of formatting possibilities.

Before starting your next book, take a look at this one. It is available at computer stores or by mail (\$19.95 plus \$2.00 for shipping and handling) from Win-Com Publications, 5400 Lytle Road, Waynesville, OH 45068.

Kaypro News

Kaypro Corp. has introduced a new low-end version of the Kaypro 2. It is called The New 2. The New 2 comes with one double sided, double density 390K drive. This computer is priced to sell at \$995.00 and is bundled with Wordstar, MBasic and the CP/M operating system. Additional software is being offered in an upgrade kit with a second disk drive for \$495.00.

The Junior Business Pack will include the New 2, the Kaypro printer, bundled software and the Type-It typewriter emulation software. The Pack will sell for \$1,495.00.

Kaypro is now bundling Mite communications software from Microft Labs with the Kaypro 4 and the Kaypro 10. This will probably take the place of Superterm at no additional increase in price. If you already own a Kaypro 4 or a Kaypro 10 you should be able to purchase Mite from Microft for \$20.00 instead of the retail price of \$150.00.

After evaluating local-area-networking for more than a year, Kaypro has decided to use KayNet, licensed from Orange Compuco of Costa Mesa, CA.

KayNet can network up to 20 Kaypro computers (2, 2X, 4, or 10) in any combination, with each machine capable of operating a printer. It is also unnecessary to dedicate terminals, so if one unit in the network fails the others will continue to operate.

KayNet is available from Kaypro dealers for \$300.00.

More Fan Info

In the last issue we did not include the entire address for the manufacturer of the Fay-Soft fan. Their address and phone number is:

Fay-Soft
31220 La Baya Drive, Suite 110
Westlake Village, CA 91362
Phone: 805-496-3960

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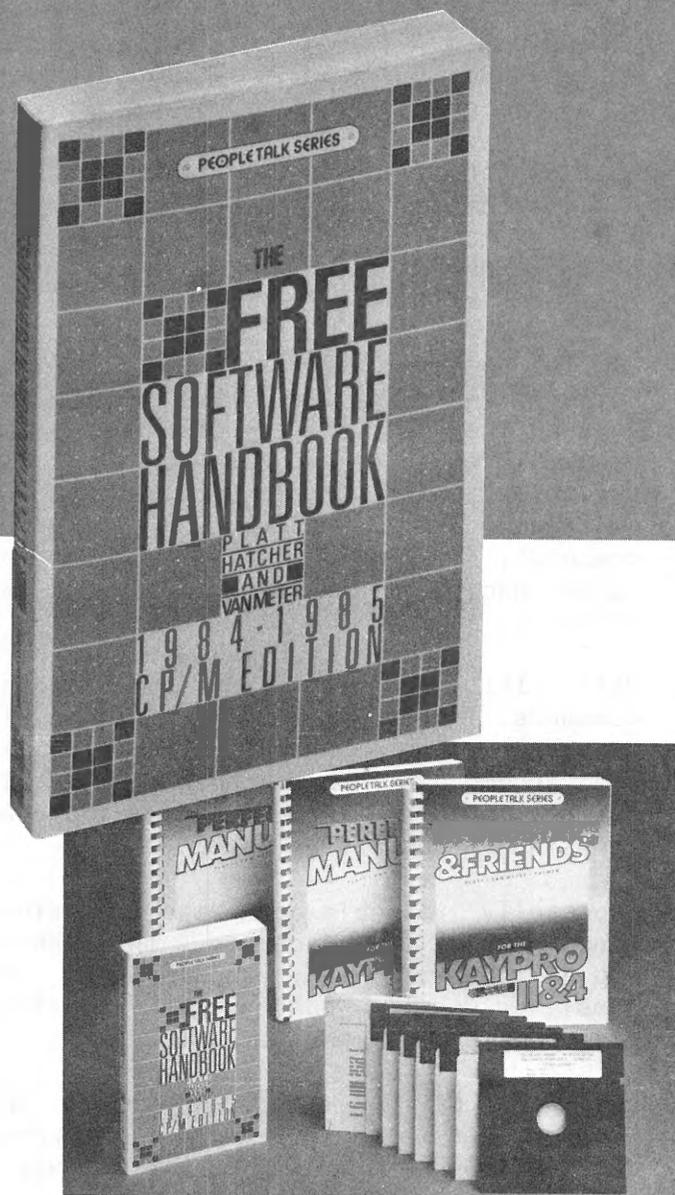
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EASYFLOW Review

By Richard Silverman (Norwalk, Connecticut) for StylePerfect Associates.

A TOOL FOR SYSTEMS AND WORKFLOW DESIGN

Flow-charting is an extremely useful tool for programmers, administrative managers and engineers. It is particularly useful in dealing with highly-structured languages.

EASYFLOW (HavenTree Software Ltd., R.R.#1, Seeley's Bay, Ontario, Canada, KOH 2N0, \$49.95pp) creates attractive flowcharts—with almost any degree of sophistication—very quickly and easily. One can use any word-processing program or editor to create the text file, and the software package itself to create the chart. Then the chart can be printed immediately or stored to a disk for later printing.

Eighteen "step" shapes (process, input/output, document, etc.) are standard, but any desired shape can be created. Commands within the text file specify the shape for each step, the contents of the shape, the pathway from step to step (the default is simply to the next step), shape or column positions to be skipped, conditionals (IF . . . ELSE), how the flowline enters and leaves the shape (top, bottom, right, left), and other factors. Other text file commands use the printer's capabilities as desired (including compressed type, closer line spacing, graphics, or any other options available). And EASYFLOW allows you to use and create special printer configuration files for automatic commands.

Documentation is superb, with 111 pages of well-organized listings, descriptions of commands, tutorials, disk-based examples, and a 9-page index. A quick reference card and planning grid are included.

Within minutes of opening the package, I created my first flow chart. After that, experiments with the many features available demonstrated that the program yields quality results while offering both versatility and simplicity. EASYFLOW is an excellent value for those who need to depict systems and flows.

Speed-up Review

By Frank Fallon

If you have an older Kaypro II running at 2.5 MHz and you want to speed it up to 4 or 5 MHz, Highland Microkit, P.O. Box 21A, Highland, MD 20777, has a high speed upgrade kit at \$50 that will fill the bill. The solderless kit includes everything you will need to make the modification: a new Z80, monitor EPROM, replacements for U66, U86, U87, an IC extractor tool, a wired switch and fantastically clear directions which include drawings and photographs.

Installation is simply a matter of removing the Kaypro cover, removing and then reinserting five chips, and placing a prewired switch on one of the vents on the back panel. When finished, the user is able to run the Kaypro at either 2.5 or 5 MHz with the flip of a switch.

You get a lot for your money. The Z80 is a ZILOG and not the less dependable SGS chip. But be advised that while all Kaypro IIs can easily be made to run at 4 MHz, some Kaypro IIs are not going to perform at 5 MHz unless you replace at least one of the following: an SIO, a PIO or perhaps the EPROM (U47) with faster parts. Highland will send you an SIO for \$10, and a PIO for \$5, and the EPROM as a flat trade. The kit comes set for 5 MHz operation and all that is necessary to slow it to 4 MHz is to move a red wire from U86 and plug it into the socket on U87. If you find you have problems, you can call Dan Carl at (301) 854-0115 for help.

For those who run Calc programs or programs that involve memory use without many disk accesses, there will be a tremendous speed up. But everything runs faster with the Highland kit.

The entire operation will take less than an hour. Removing chips, especially the Z80, is the most time consuming part of the project and must be done carefully. When completed, the Kaypro will run at either 5 or 2.5 MHz with the flick of a switch on the back of the machine. And all that must be remembered is that you must cold boot if you change the speed selection. You will also have to run the CP/M copy utility at 2.5.

Best of KUGBB

The Lost Dutchman's Gold Mine RCP/M in Phoenix has a file on-line called MOVCPMNU.LBR. It contains an automated patch routine that, when applied to ANY copy of MOVCPM.COM, creates MOVCPMNU.COM. MOVCPMNU.COM will run, not only on your Kaypro 10 system, but on ANY CP/M system. The number is 602/848-6700; 300-1200 baud; 24 hours unless in use. Enjoy...
—Jim Gronek

I just received the latest issue of the KUGRAM. I submitted a tip to this board and it appeared on page 26 of the new KUGRAM. Please note there is an error. The example for Wordstar indicates that a ^P^S^Q^P will save your document and return you to your place in the document. This is a typo. It should read ^K^S^Q^P.
—Rich Bruski

To boldface in BASIC or many other languages, you just print the line, followed by a carriage return followed by the line again. In BASIC, be sure to use semicolons, e.g. LPRINT "X";CHR\$(8);"X" would print an X, back up one space, and print a second X right where the first one is.
—Aaron Contorer

There is a way to modify CP/M so that programs will autoboot upon a cold boot. The procedure is as follows—
—Call up your copy of copy.com.
—Choose the 'O' option.
—Choose the 'S' option.
—Make sure the disk that you want to modify is in Drive B.
—Hit a carriage return.
—You will then receive a very intimidating message about a CCP command line. This is whatever you would normally type at the A> prompt. This can be any CP/M command or stack of commands up to 256 letters. Ex: ERA *.BAK WS would erase all backup files and call up Wordstar. After typing in the line hit a return when done. The line will then execute upon cold boots only.
—Dan Seibold

Here's a quick routine to print with Perfect Writer. Write a file called V.SUB containing the line: A:PF -P -VERBATIM \$1 <CR>.

Put this on your PW disk, along with SUBMIT.COM—which I rename DO.COM (save those keystrokes). From the CP/M prompt, to print a document exactly as it appears on your screen (i.e. the PW verbatim mode, adding page numbers at the bottom), enter DO V <FILENAME.EXT>, where FILENAME.EXT is your file. PF.COM will print your document and return you to the PW menu or to CP/M if you have taken the menu off your disk (another time-saver). For dBASE freaks, PW and dBI fit very nicely on one disk if you remove the menu. Then the dBASE command: QUIT TO "A:PW & FILE," "DBASE" etc. will take you to PW and back to dBASE automatically. Not quite "windows" but pretty convenient.
—Richard Hudson

A while back I read a review of keyboard programs like Smartkey. One that they rated high was Xtrakey, and since it was much cheaper, I ordered a copy. I couldn't be happier with the program. Not only does it do everything it says it can do, but it has one of the most entertaining and informative manuals I've ever seen—and that's saying something. They even compare it with Smartkey, its better-known counterpart, and of course it comes out on top—more features, more flexibility. It allows you to redefine the keypad, any key, and to create as many as 7 sets of superkeys (which require an entry character). You can save—and edit—your sets, as well as dump the contents of a screen to the printer, toggle printer on/off, send messages to printer or screen without interrupting programs, filter out characters, clear screen and much more. Best part, the list price for Xtrakey is only \$49.95—I got mine from a dealer with a discount for \$40.00 on a special order. The manufacturer is Xpert Software, 8865 Polland Ave., San Diego, CA 92123—phone 619/268-0112. Again, I recommend this highly. Great fun, too.
—Doyle Niemann

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The Kaypro has enemies. But now you can protect it from the mish mash of electrical currents that race through your home or business. Powerful up-surges of current can actually blow out your machine. Less powerful, barely noticeable spikes, surges, and noise can silently degrade your system in time, ruining chips, destroying data, and causing expensive service calls.

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

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

Check our regular low prices. Try the Panamax of your choice for 15 days. Receive the "Panamax Challenge Certificate" with your purchase. If not completely satisfied with your purchase, return for immediate full refund. Your Kaypro deserves Panamax protection, the best there is. Order today.

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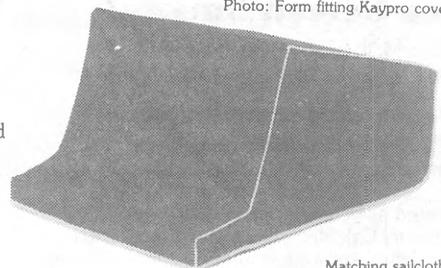


Photo: Form fitting Kaypro cover.

Matching sailcloth printer covers are \$14.95 each. Complete list sent with order.

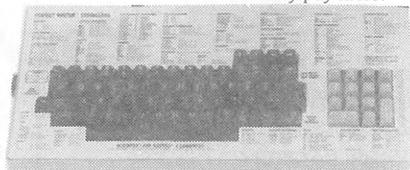
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your keyboard, software commands are only a glance away, at your fingertips. This makes it easy to learn programs that come with your Kaypro. Stop going back to the book to get a software command. Now you can learn software commands super fast, so you can make better use of your powerful programs. The expertly organized Wordstar/Mailmerge template, for example, gets you into word processing in half the time. A special dBase II template cuts through the learning curve like a knife and gets you programming sooner. Kleertex templates for Perfect Writer/Filer and Perfect Calc get you moving fast on these programs too. Once you try Kleertex templates, you'll wonder how you ever got along without these useful tools. Central's special price for one template is \$18.95. Choose any two templates for \$35 and save. If you like, you may combine purchase of any of these four templates for super savings. Complete satisfaction is guaranteed or money-back. Makes learning software a breeze. Great value. Order today.

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D: Connects direct to grounded wall jack.
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"Spikes and surges can be the greatest threat to your computer outside a 4 year old child with a jelly sandwich aimed for the disk drive slot."

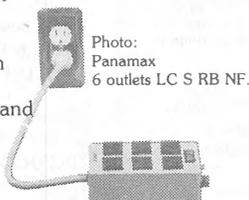


Photo:
Panamax
6 outlets LC S RB NF.

"Power line-associated problems are estimated to cause nearly 70 to 90 percent of the malfunctions in the IBM PC."

"Overvoltage can be fatal to both data and hardware alike."
P.C. Magazine, March 1983

Lockable Diskette Defender

Handsome, sturdy, smoke-tinted acrylic tray holds 70 Kaypro-size diskettes. Flip-up lid keeps out dust, debris, and moisture, and locks securely to guard your important work. Comes with 7 dividers that make for easy filing and keep floppies upright to prevent bending, warping, and scratching. Tough metal lock never comes in contact with diskettes because it is enclosed in a plastic housing. Super value at \$23.95 for one, or \$22.95 each if you buy 2 or more. Keep prying eyes and sticky fingers away from your data. Order today.

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Top quality, individually tested 36 pin Centronics-type standard parallel cables for all model Kaypros. These are made to work hard and long. Guaranteed.

5 ft cables ... \$18.95 each
10 ft cables ... \$24.95 each

Top quality, individually tested ribbon modem RS 232C cables designed with reinforced clamps for a sure continuous connection and made especially for your Kaypro. These work every time.

2 ft cables ... \$14.95 each
5 ft cables ... \$16.95 each

Free Screen Smarts!

Peter McWilliams, William Buckley, Steven Frankel, and a cast of thousands rave about how **SmartKey II** speeds up and improves accuracy in computing by reducing often used multiple keystrokes to single keys.

SmartKey II lets you easily reprogram as many upper and lower case keys on your keyboard as you want, even while WordStar, CalcStar, dBase II, Perfect Writer, or any other software is in operation.

Uses for this powerful, easy-to-operate program are endless. With SmartKey II you can assign up to 3,750 characters to a single key. Once you have redefined keys, you can put them to work or change them at will. You can also store your "smart key" definitions in a special file and use them later, or make numerous definition files to use with a variety of your favorite programs or projects. Imagine saving complex command codes, boilerplate paragraphs, sentences, names, inventory numbers, or whatever, and then injecting any of them into your work with the stroke of a single key. This is a must-have, time saving computer program for all busy Kaypro users.

SmartKey II has a little known super companion program called SmartPrint II. SmartPrint II retails at \$49.95. SmartPrint lets you give single-stroke commands to your dot matrix printer to make it produce italics, greek characters, graphic symbols, boldface, underlining, extended typefaces, accent marks, and much more. SmartKey II retails at \$89.95. Now, for a limited time only, Central's SmartKey II and SmartPrint II **combination pack** is only \$79. In addition, as a bonus, with your purchase you will get a **free** copy of Paul Golding's book, *Screen Smarts, The Computer Tamer's Guide*. This book is a \$15.95 value. It tells how Mr. Golding, a professional writer, uses SmartKey II to turn his humble computer into a supercharged dedicated word processor. Please don't delay, this offer may not be repeated. Order today to get SmartKey II, SmartPrint II, and a free copy of the newly revised edition of *Screen Smarts, The Computer Tamer's Guide*, fast.

Warning: SmartKey II makes lesser programs look dumb, dumb, dumb. Comes with step-by-step manual.

Stop Tearing Up Your Disk Drives!

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

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

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

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Photo: MicroSpooler 64 K P-P

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continued on next page —

Program PW with SUBMIT

by Joe Cobb

Perfect Writer, as you know, is a menu-driven word processing program. After a few weeks of watching the main menu load into memory every time I started working, I figured out how to bypass it. Typing 'PW' and 'B:filename.mss' got me into a file, but the pesky menu still came up whenever I wanted to print a document.

The solution is to create a personalized menu—shorter, customized to my tastes, and one that won't auto-load between each function (unless I want it to). The SUBMIT.COM program on our master CP/M disk lets us do this easily. Here is a step-by-step guide:

First load your old menu and take some notes. When you hit 'F' a command line appears at the bottom and asks for the filename you want to format. After you type it and <CR>, the format menu appears. If you hit 'G' the menu will execute a command that you could have entered yourself, 'PF B:FILENAME.MSS'.

What if you wanted to format to the console? Hit 'C' before using 'G' and look at the command line at the bottom. Notice it now says 'PF -C B:FILENAME.MSS'. If you want to perform one of my favorite routines, formatting to a console-readable file that won't scroll, named 'B:FILE.FIN,' the command line says: 'PF -DEV FILE -O B:FILE B:FILENAME.MSS.' Take notes on every possible combination you think you might want to use some day.

Now 'PIP' SUBMIT.COM onto your working A:disk. To use SUBMIT.COM, you first must create a '.SUB' file that it will look for to execute when you call it.

Let's make this easy, so—using Perfect Writer—create a new file named 'A:E.SUB' with only one short line, which will read: 'PW B:\$1.MSS<CR>' and save it. Don't forget the carriage return; it's important. Insert the working A:disk containing PW.COM, SUBMIT.COM, and E.SUB, and put a disk with some manuscript file '<filename.mss>' in the B:drive.

Now exit to CP/M and type 'SUBMIT E FILENAME<CR>' without using the 'B' or '.MSS' with 'FILENAME.' (You must observe the spaces between the three parts of the submit-sequence.) Your computer will immediately warm boot and you will see the following on the screen: 'A>PW B:FILENAME.MSS' as the 'E.SUB' file adds the drive name and the '.MSS' suffix to your filename. The #1 in your 'E.SUB' file was a special kind of dummy variable that was replaced with the third part of the submit-sequence, in this case 'FILENAME.'

Now let's build a complicated one, called 'D.SUB,' which will permit you to format a manuscript to a file that can be read by Perfect Writer on your console with all the headings, paginations, and line lengths of a printed document. (See my article in the Vol. 2 no. 4 KUGRAM for more about this kind of format.)

Use PW to create a file named 'A:D.SUB' and fill it with 'PF -DEV FILE -O B:FILE B:\$1.MSS<CR>.' From the old menu you can tell this command will format the manuscript for a different device (file) and name it differently ('B:FILE.FIN'). With Perfect Formatter on the A:disk, enter 'SUBMIT D FILENAME<CR>' and watch the warm boot and 'A>PF -DEV FILE -O B:FILE B: FILENAME.MSS' appear, followed by Perfect Formatter's operations.

You will want to make about seven 'SUB' files, each with a one or two letter name. When you have finished creating the set of '.SUB' files, you are ready to build your personalized menu. Each '.SUB' file will occupy 1K of disk space, and SUBMIT.COM itself will take 2K. Notice you have already saved over half of MENU.COM's space.

Use 'SUBMIT E MYMENU' to design your own description of all your '.SUB' files. If you use the auto-load feature of CP/M, following Sysgen, you can add 'TYPE MYMENU' and it will come on the screen after each cold boot (not after a warm boot). You can recall it by using the reset button on your Kaypro, but it never forces you to read it more than once per working session.

Joe Cobb
325 Pennsylvania Ave., S.E.
Washington, DC 20003

WORDSTAR by Chiang

PRINTING WITH WORDSTAR

Outlined below is the method of printing a file using Wordstar, as opposed to Perfect Writer.

When you want to print a file in Perfect Writer, you go to the MENU program, where all your options are listed. First of all, you choose option F, to format your file. If you need any special features of your printer, you get your file formatted, creating a .FIN file on disk. Then, at the menu, you pick P, to print a formatted file, and you're off and running. For the Quick Print option, you send the output to printer from the Formatting Menu.

Things are rather different in Wordstar. It is a totally on-screen formatted program, including such things as margins and page breaks. Thus, there is never a need to format a file, because it is largely formatted on screen. You print straight from the textfile.

The result is a difference in formatting flexibility. While Wordstar does have certain print formatting commands (dot commands, which are not for this column), they're nothing like Perfect Writer's scores of format and environment commands. If you want some features like VERSE and QUOTATION or MAJORHEADING and SUBHEADING, you won't find them in Wordstar. Formatting in Wordstar is done by hand. You look at your screen, insert lines and spaces, and arrange your text the way you like it. Wordstar will print out everything as it appears, so you already know how it'll look. Whether you like Perfect Writer's formatting commands or prefer arranging your text on screen with Wordstar is a matter of taste. (If you don't need any fancy formatting, Wordstar may be more convenient.)

To print with Wordstar, you choose option P at the opening menu. It asks you the name of the file you wish to print. As with Perfect Writer, you cannot print from RAM; it has to be a file saved on disk. Then Wordstar begins a series of questions about how you want the file to print. Some are rather odd, but here they are.

DISK FILE OUTPUT (Y/N):

Do you want the output to go onto your disk? Probably not, so a <CR> supplies the default, No. If you say Yes, it will then ask you what name you want to give the output file.

START AT PAGE NUMBER (RETURN for beginning)?

If you would like to start the printing at a page other than the first, you can, so long as you give the page number. (If your last printing was interrupted, this may be handy.) A <CR> will begin the printing at page one.

STOP AFTER PAGE NUMBER (RETURN for end)?

As above, a simple question. If you just want the first few pages, you can get just those. Default is the end of your file.

USE FORM FEEDS (Y/N)

This is a bit odd. Some printers will move to the top of the next page by using a special character. This is in case you have a printer that works better with the form feed character, rather than a row of <CR>s. If you don't know or care, a <CR> will supply the default (no).

SUPPRESS PAGE FORMATTING (Y/N)

This asks you if you want the text to be printed out as it looked on screen, or simply dumped to the printer. If you answer yes and suppress formatting, all the dot commands will appear on the paper, for proofreading purposes for example. If you are printing a file already formatted by some other word processing program or printing a file which was written to disk, you can use this option. A <CR> will supply a No, for normal formatting.

PAUSE FOR PAPER CHNGE BETWEEN PAGES (Y/N)

This will cause the printer to stop at the bottom of each page, and you must press P to continue output.

Finally, Wordstar tells you that as soon as you are ready to print, press <CR> and everything will start up.

KAREL the Robot

A number of people are interested in finding a way to begin to learn to program. Some people advocate learning BASIC because it is easy to learn and is interpreted. Others advocate learning a language with more structure, thereby allowing for better programs. We would like to make you familiar with still another approach. That is to first learn the language of KAREL the Robot and then move up to structured languages like Pascal (or to S-BASIC).

KAREL the Robot inhabits a two-dimensional grid of horizontal streets and vertical avenues displayed on a screen. Along with KAREL, his "world" contains walls which prevent his forward motion and beepers which are found on various corners of the world or in a beeper bag which he carries around his waist. KAREL and his language were created by Richard Pattis, whose KAREL the Robot, A Gentle Introduction to the Art of Programming (New York: John Wiley & Sons, 1981) introduce beginning programmers to the language constructs found in Pascal. It avoids treating the complicated data structures and other troublesome concepts that sometimes get in the way of learning programming techniques. It was first used by instructors at Stanford University and the University of California at Berkeley during the beginning weeks of introductory programming classes as a preview to Pascal but it has now been adopted at many other universities, high schools and industrial training facilities throughout the United States and abroad. (The authors have found that bright children can also benefit from using this language.)

KAREL's language contains five primitive instructions: move, turnleft, pickbeeper, putbeeper and turnoff. It also allows the user to define new instructions. In addition, an iterate instruction and a while instruction allow for definite and indefinite looping. The primitive instructions, the ability to define new instructions and to do looping allow the user to write fairly complex programs using the top-down method which most computer scientists recommend. Thus, the language is an excellent way to begin to learn about programming.

KAREL the Robot can be studied without using a computer; however, it is then difficult to know if the programs written are executing correctly. The authors have made it possible for Kaypro owners who have the S-BASIC compiler to create and run KAREL the Robot programs on their computers. Ms. Rising has written KED, a syntax-directed editor for KAREL's language, along with a program which can create worlds in which KAREL can live. Dr. Rehmer has written a program which translates the output of KED into an equivalent S-BASIC program. When this program is compiled and run, the results of the KAREL program can be seen. The programs to do this have been provided to the KAYPRO USERS' GROUP. (See LIBRARY)

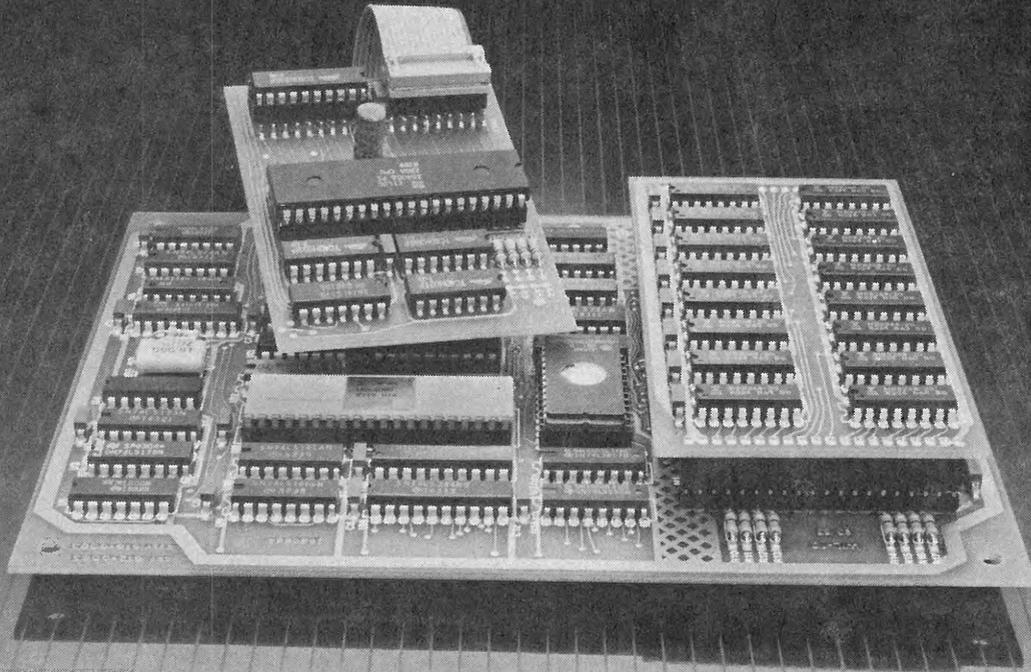
A syntax-directed editor allows a programmer to "write" a program using brief commands to add, insert or delete language constructs. The editor enters templates representing these constructs and then the user completes the templates, sometimes with other templates. The editor guides this process by restricting entry to valid constructs, thus preventing the user from entering anything that is not syntactically correct. The program is represented internally as a syntax tree with each node corresponding to a template or a portion of a template. To allow the programmer to see the text of the program, the editor uses an unparser to present a pretty-printed version of the program.

The output of KED is a list of integers which is a representation of the syntax tree as well as a listing of the program. The program CREATE translates the list of integers into an S-BASIC program. (Looking at the S-BASIC listing can provide some idea of how this structured language is much like the Robot language.)

Finally, the world is built and the compiled S-BASIC program is run on that world. Compiling the S-BASIC program can be quite time consuming (typically 5 minutes).

Linda Rising and Karl Rehmer
Department of Computer Technology
Indiana U.-Purdue U. at Ft. Wayne
Ft. Wayne, IN 46805]

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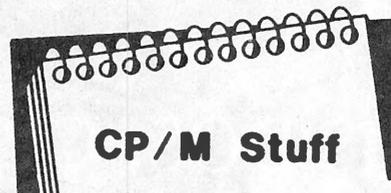
KUG Disks are in Kaypro II format, but they can be read on and PIPed from any other Kaypro Computer. Directions are included with each disk.

If you would like to receive any of the above, send \$10.00 (for each) to KUG LIBRARY at Box 100, Malverne, N.Y. 11565. DO NOT SEND US ANY DISKS.

Be sure to mention the disk name, number, your mailing address and I.D. number.

If you would like a list of descriptions of the KUG Library disks, send a self addressed stamped envelope to KUG DISKS at the same address as above.

REMEMBER, we will send you a disk from our library for any contribution ON DISK to our LIBRARY or to the KUGRAM.



CP/M Stuff

How many times did you want to PIP files from one disk to another but found that you did not have PIP.COM on the disk? Maybe you didn't have enough room on the original. Well, just when you thought CP/M's bag of tricks was empty, there is still more!

Place your CP/M disk in drive A and warm boot. At the A> type SAVE @ GET.COM. Call for a DIR and you'll see that you now have a file named GET.COM. At the A> type STAT GET.COM. Look at how much space it takes on the disk ... NONE, ZERO, @. You can put this @k program on all your disks using the SAVE command described above.

Meanwhile, back to PIP. At the A> type PIP. Wait for the star (*) to appear. When it does, do another WARM boot (by entering Ctrl-C or hitting CR). Again at the A> type GET. Look at what came back: the PIP star (*). Now you can remove the CP/M disk and place the disks you want PIPed into the drives ... WARM BOOT ... and start PIPing. You MUST warm boot after each change of disks. Don't worry, warm booting does not bother the GET program. In fact, none of the resident commands (DIR, REN, ERA, TYPE, etc.) affect GET.COM. But if you use another transient file, it will take the place of the previous one. You can also use the drive name ie. DIR B:, TYPE FILENAME, or TYPE B:FILENAME.

We call this GET.COM because it is GETTING the last information that was put into the Kaypro's memory.

Another use for GET.COM is to be able to STAT all your disks without having to have the STAT.COM program on them. With your CP/M disk in A: type STAT. Place one of your data disks in drive B:. WARM BOOT. Now type GET B:. Try GET B:*. *...

There are many other uses for the GET program. When you find one, let us know how you used it—perhaps to save an important file that did not write to disk, or just a faster way to use some of the CP/M STUFF.



In Response ...

...Since Kaypro started introducing the Kaypro 4, the Kaypro 10, the Kaypro 2X and others, we have received complaints that some disks work on some Kaypros and some don't. We will try to offer some explanation here.

When the original Kaycomp II became the Kaypro II there was a minor change to the Bios. This affected only the updated Select word processor. The Bios remained pretty much unnoticed until the NEW Kaypro 4 and the NEW Kaypro 10 were introduced. The NEW Kaypro 2X is the same as the 4. The instructions from Kaypro were to sysgen the disk and it would run. It didn't.

Since most of the original programs and public domain software were on Kaypro II format (including the KUG Library), these are the ones you wanted to either run or transfer over to the new Kaypro model.

ALL Kaypro models can read Kaypro II disks !! This is how you make them work:

On the Kaypro II you can use COPY or PIP.

On the Kaypro 4 and the 2X, place PIP.COM on a Kaypro 4 (2X) disk that has been sysgened. Put that disk in A: and your Kaypro II disk in B:. Warm boot. At the A> type PIP A:=B:*. *. All your II files will be transferred to the 4 (2X). If you want to go the other way, you must have a formatted II with PIP.COM on it. Place your 4 (2X) to be transferred in drive A: and the II with PIP on it in drive B:. Type B:. At the B> type PIP B:=A:*. *. Make sure you have enough room on the disk.

On the Kaypro 10, reset with the floppy drive empty. At the A> place your Kaypro II disk in the drive. Type PIP A:=C:*. *. The II files will be on the hard drive. If you want them only on DSDD Kaypro 10 disk then place the DSDD disk in the drive and type PIP C:=A:FILENAME. If you use a separate user area (A1>) you can use the wild card *. *, but you will be in user 1 on the floppy disk.

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9. Hospitable User's Guide with helpful hints.

DateMate ^{T.M.}

Hazel Monthly Planner (R501/71) by Hazel, Inc.

Trademarks: Kaypro, Kaypro Corp.; Wordstar, Micropro, Int'l.; Perfect Writer, Perfect Software Corp.; DateMate, Freshware.

At almost any point a ? or HLP will bring a series of helpful descriptions. On your first visit you will want to read some messages, but before you do, type SN at the functions prompt and you will be given a list of section names. This will give you a very good idea of how the SIG is organized and where you might find files and programs. It will also tell you where to look for or leave messages. You can read messages with the R command. RF with a number will allow you to read forward to the latest message. At any point if you wish to stop, a T at a menu or prompt will bring you back to the functions prompt. You may leave a message with the L command or more easily with UA (use address) if you discover a member who you feel may help you with a problem. UA will save you from entering name and PPN information, but you will still have to enter a Subject. You can type out your message off line and then enter it into the system with a CTRL-T. Remember to use delays in your modem program. Also use no blank lines unless you enter a period as the first character on a line. Once you finish your message send two line feeds and you will be asked how you wish to store it. A P will allow you to check it for errors, and if you find any, R followed by a line number will allow you to re-enter the entire line. Store your message with the command S#n, where n is the number of the area where it belongs. For example, if you have a question about hard disk it belongs in the hardware section (5), so you enter S#5 and a <cr> to store the message.

The heart of the SIG is its database (X), and you can (A)ccess a database with the command XA followed by a number. For example, if you wished to find a utility or modem program you would type XA1 or XA6, which is where the Kaypro Users' Group SIG keeps its telecommunications and utility programs. When in this area you will see the XA1: prompt. You can search using keywords with the command /Key: followed by the keyword. Let's say you wished to find a copy of MODEM740. You might type /KEY:modem740. You will notice that the extension on the program listed is .BIN. This is the rough equivalent of a .COM file. CIS stores information a bit differently than your Kaypro.

Before you attempt to download, check the HLP files in XAD. Copy them to disk for later reference off line and save money. You may also want to read the description of each database and some brief downloading notes. Do this by typing X for database and then a number. For example, if you were interested in WordStar you might type X8.

When you are finished and have typed BYE or OFF, then CTRL-E back to the modem command line. If you want to save what is in the buffer, type WRT. Then type CPM to go back to the A> prompt.

We have received a number of queries as to what modem you should purchase. We can tell you only which ones we have used and found satisfactory at KUG. A Hayes Smartmodem 1200, a US Robotics, a Rixon T212A, and a UDS have all performed flawlessly. We have had problems with the Signalman.

We hope to see your name and PPN on PCS 25 soon. There's a wealth of information, but don't stay away more than a week or your answer may be gone.

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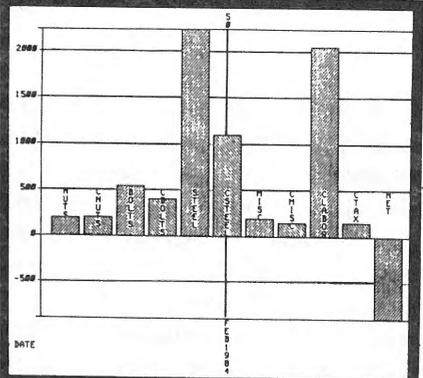
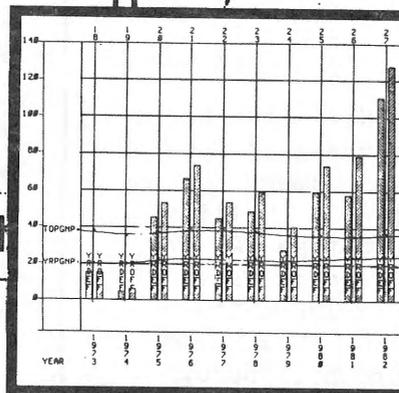
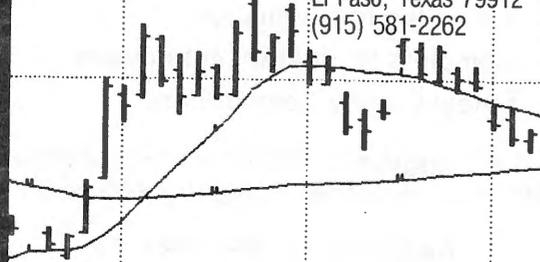
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Kaypro Upgrading

By Gregg Platt - PeopleTalk Associates

THE MODEM CONNECTION PART 2

In our last article we talked about the growth of the KAYPRO Network of Remote CP/M systems and the unusual similarity of these systems which now span the U.S. from Anchorage and Honolulu to Tampa and New York. Though these systems vary in cost from FREE to a high of \$30 per year, they are unique in that they all operate in a similar manner. We're happy to report that the K-Net web continues to grow and now includes stations in Alaska and Michigan (see list below).

Of course, if you're watching your check book you may prefer to try telecomputing with an RCP/M which is closer to home than Anchorage or Honolulu. If so, you'll be pleased to know that there are lot's of good RCP/M systems which offer software of special interest to the KAYPRO user. The list below includes all those which mentioned KAYPRO in their listings. Those which actually use KAYPRO machines are marked with (KB) and those which use other equipment but have KAYPRO areas are marked with (KI).

Although we haven't had an opportunity to check out all of these boards, so far as we know most of them don't have a membership fee (exceptions on fees are noted). However, some do require that you leave your name and voice phone number and wait for a call back from the system operator before you can gain full access.

Happy Modeming...

CNY Tech RCP/M	(KI)	(315)	437-4890
Mid-Suffolk RCP/M	(KI)	(516)	751-5639
CURA #1 RCP/M	(KB)	(718)	625-5931
CURA #3 NYKUG RCP/M	(KB)	(718)	624-9148
KUGNJ1 RBBS	(KB)	(201)	291-8319 (Password="KUGNJ1")
Lyra Info Exch	(KI)	(201)	625-5728
Greensburg RBBS-RCP/M	(KI)	(412)	836-8407
BCIS RCP/M & RBBS	(KI)	(703)	281-7907
Springfield RCP/M	(KB)	(703)	644-2299
PENSula KUG RBBS	(KB)	(804)	838-1645
SBC's Channel 85	(KB)	(313)	360-2050
Miami Bulletin & Exch	(KB)	(305)	854-7274
Cookeville RBBS	(KB)	(615)	528-5039
Physician's Resp Sys	(KB)	(615)	967-6889

KAY*FOG RBBS/RCP/M	(KB)	(415)	285-2687
Vacaville RBBS/RCPM	(KI)	(707)	448-1435
South Bay RBBS/RCPM	(KB)	(213)	370-2754
JAC RBBS/RCPM	(KB)	(213)	618-0151
Downey RCP/M Exch Ctr	(KB)	(213)	806-2226
Los Angeles Comm Sys	(KB)	(213)	935-7570
ASCII ATTIC	(KB)	(714)	381-2083
K-WEST RBBS/RCPM	(KB)	(714)	432-9272
IUC RBBS/RCPM	(KB)	(714)	539-9418
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Moonstar RBBS	(KB)	(714)	861-8165
NBS RCP/M	(KB)	(818)	764-6166
Glendale Litearia	(KB)	(818)	956-6164
Lost Dutchman RCP/M	(KB)	(602)	848-6708
Computr Parlors RCP/M	(KB)	(303)	420-8052
Profes Softw RCP/M	(KB)	(303)	591-8756
RCP/M Northwest	(KB)	(503)	777-6377
SMUG RCPM/RBBS	(KI)	(509)	255-6324

NEW ON K-NET...

Grand Traverse	(KB-FREE)	(616)	947-1246
PRO-COM RCPM #3	(KB-25/YR)	(912)	929-8728
AKPRO-NET RCPM	(KB-30/YR)	(907)	248-2604

Writeto: 2514 Captain Cook Dr.
Anchorage, AK 99503 or call 907-248-1735

INTUITIVE DATABASE...

Some months ago we mentioned a database program called SALVO which was being released for the KAYPRO. This remarkable software combines a full relational database product with a unique fourth generation programming language, and an inquiry feature which understands a wide variety of plain English requests like: "List my salemen and their customers and orders."

The latest edition of SALVO looks even better than the original. It runs on any graphics-supporting KAYPRO-4, 2X or 10 and also includes a flexible report writer. SALVO also comes with sample programs and and useable manual. Not only is Salvo truly relational but it makes complete use of the remarkable flexibility that a relational database provides; it is easier and more intuitive than any other program I have seen.

At \$495 SALVO is one of the best database buys around. You can buy a limited file-size demo for \$29.95 (with manual) from:

PeopleTalk, Box 863652, Plano, TX 75086
Ph: (214)-423-4634.

Software Review

by Kenneth S. Blair

Two recent programs which run on the Kaypro (and other computers) for retrieving information in a "free-form" format are Free Filer by Telion Software and SeekEasy from Correlation Systems.

They are similar in that they both offer extremely fast sorting routines for finding information which has been stored as text without using "templates" or "records." Each comes with a 32-page instruction manual which is clear, complete, and "cute" in the way it explains the program's operation. Both programs are very easy to configure even for a novice, have excellent error trapping, and appear to be "bug" free. However, this is where the similarity ends.

SeekEasy offers you the ability to find information even if your request is vague, incomplete, or misspelled. Your spelling only needs to come "close" when you request information from records stored in a file. You need not concern yourself with fields, tags, records, delimiters, formats, or key words. In short, you do not even have to remember how your information was filed.

Before you skip the rest of this review and order SeekEasy, you should also know its limitations. The biggest drawback is that each file "entry" is limited to only two lines or about 156 characters. Further, you cannot use it on any of your existing text or database generated files. You must make your two line entries while using the SeekEasy program. This means you will need to do a lot of typing "in" before it will be worth your while to start retrieving "out."

Free Filer has the ability to retrieve and sort information which you have produced with your word processor or database program. It can easily find information within paragraphs of long text files if you use the customary convention of having two carriage returns between paragraphs. This means that you do not need to create special files before you can start using Free Filer to find selected information.

Your search for information is based on "key words" and you can even define up to 15 key words for your search. This means that unlike the "search" feature in most word processors, you can have Free Filer find those paragraphs or entries which contain word "a" and "b" and "c," etc. This is a very useful feature for some applications where your search would otherwise produce a large number of "finds." Another useful feature is its ability to find words regardless of whether the first letter is upper or lower case.

Each program configured easily, and I was so intrigued by the ability of SeekEasy to define special keys that I was tempted to run the configuration program again just to watch it work. It is delightful! However, after using both programs I began asking myself why I needed such programs in the first place. They were like wonderful answers looking for the proper question.

The Free Filer documentation suggested one application for doing a long research paper with WordStar. Put all your research quotations together in one file and when a quote is needed, just use the "R" command to run Free Filer and let it find the proper quote to insert right at the point where you are in your text. This is great in WordStar, but if you use Perfect Writer, you would find Free Filer only slightly more convenient than the two windows and multiple buffers. The manual suggests another possible use by constructing a "Recipe Database" and then sorting it according to the ingredients you have on hand for preparing a meal. If you have the need for an equivalent application in your work, Free Filer may be excellent for you.

Actually, Free Filer comes in two versions. Version 2.0 sells for \$69.95 and does everything described above plus alphabetical sorts, while version 3.0 sells for \$149.95 and has the additional advantage of being able to display your directory and look through all files or selected ones based on the standard CP/M "wild card" usage. This improvement in version 3.0 can make Free Filer much more useful.

continued

Vendors

INVESTMENT SOFTWARE

from
\$ware Tools for Investors
P.O. Box 645
San Luis Rey, CA 92068

TRIVIA GAME

from
Media Productions & Marketing
344 N. 27th Street
Lincoln, NE 68503

MICROPRO TRAINING GUIDE

from
Jane Davis Publications
P.O. Box 717
Richboro, PA 18954

MEDICAL OFFICE SYSTEM

from
Superior Software Corporation
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Augusta, GA 30901

SHAKLEE DISTRIBUTOR'S SOFTWARE

from
Tom Cooper
20 Chestnut Street
Mahwah, NJ 07430

SECURITY PASSWORD SYSTEM

from
Micro/Lock
P.O. Box B
Kihei, HI 96753

BATTERY POWERED PORTABLE PRINTER

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Axonix Corporation
417 Wakara Way
Salt Lake City, UT 84108

COMPUTERIZED GREETING CARDS

from
Compugreet
P.O. Box 3357
Reston, VA 22090

* *

For example, I have used it to search through all the files on a disk containing several years of an organization's minutes. It can quickly find a motion or action and write it to a disk file or the printer. I have also used it to search through full disks of information which I captured using my modem with bulletin board systems. It can be very efficient in finding that "new bulletin board number" you forgot to write down or a hint that "must be on one of those disks somewhere."

SeekEasy offers different ideas for using its software. Some applications are listing articles in magazines, organizing collections such as recorded music, and keeping appointment logs or personal information files. When information like bibliographies or other listings take more than two lines, it is possible to break them up under an author or subject heading.

In September, Correlation Systems reduced the price from \$235.00 to \$87.00, which may make it worth buying if you have a regular need for the type of searches it does. They even offer a \$15.00 "demo" disk which has all the features of the "full-capability" disk except that the size of the search file is very limited. Telion Software will also sell you a Free Filer "demo" disk (for a nominal amount) which will search files up to 2K.

My best use of SeekEasy is on my word processor disk. It uses 46K, plus your data file will expand as you fill it, so make sure you have enough empty space on your word processor disk if you want to use the program this way. If you are like me, you have multiple interruptions while writing, such as phone calls, ideas you want to record, or reminders of something you need to do later. Instead of having your desk cluttered with little slips of paper, it is nice to call up SeekEasy long enough to jot down your distraction and go right back to what you were working on.

You can order the software directly from the publisher: SeekEasy from Correlation Systems, 81 Rockinghorse Road, Rancho Palos Verdes, CA 90274, (213) 833-3462; and Free Filer from Telion Software, P.O. Box 1464, La Mirada, CA 90637, (714) 994-5135.

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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Al Gerson, Editor and Publisher

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KUG's Bulletin Board on Long Island 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 (516) 747-8308. CompuServe's Kaypro Forum [KUG SIG] is GO PCS 25.

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