

WELCOME BACK . . . KUGGER!

Here we are in KUGLAND discussing the many ways of communicating ... telephone, letters, telecommunications, on and on ... yet we sometimes fail to find the right questions to ask or the right subject to discuss.

For some time now we have been sending surveys to members who renew asking how we can better serve you. Some of the suggestions were already implemented in our last issue. However, one of the suggestions was, "Why don't you ask the members who did not renew, WHY?"

Although our renewal rate is above 90%, we decided to send a copy of the last KUGRAM along with a questionnaire asking why some KUGGERS did not renew. They also had the option to renew at the special two year free disk offer.

The results were very interesting. The survey revealed that most of the ex-KUGGERS did not own 8 bit Kaypros anymore. Some had gone to the MS-DOS operating system while others had gone to more sophisticated computers.

In the "OTHER COMMENTS" section we had conflicting reasons. Some said that we had become too technical, while others said that they had outgrown our novice approach. This is the one area we are concerned about. It is important that we continue to serve your needs, and the only way we can find out what they are is by our "communicating."

If you have any comments regarding our content and/or our support, DON'T WAIT. Please let us hear from you as soon as possible. We want to grow WITH you.

The last issue of the KUGRAM discussed the newest additions including the STARWARES column and the MS-DOS column. We also mentioned the start of our new MS-DOS public domain library. That was the issue that was sent FREE to the ex-KUGGERS.

On the questionnaire was the statement:

[] I see that you are making some changes and I would like to renew my membership in KUG.

Based on the changes we are making and the fact that many ex-KUGGERS are now using MS-DOS machines or are involved in business applications, more than 25% of the ex-KUGGERS have renewed and are now full time members ... most of them for TWO YEARS.

Even though we offer many services such as PRINTER CONFIGS, MEMBER DISCOUNTS (from dealers), PUBLIC DOMAIN LIBRARY, KUG BULLETIN BOARD and more, our most important reason for being is Kaypro User SUPPORT.

If you feel that we are not serving you in that capacity, please COMMUNICATE!

Communicate by mail.

Communicate by using the KUG Bulletin Board.

Communicate by using the KUG Sig on CompuServe.

Communicate by calling 516/746-0056.

We'll be waiting

A> DIR KUGRAM

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Legend: G = general interest
 TC = telecommunications
 R = review
 * = MS-DOS

Renewal Offer

KUG is now offering a FREE disk from our library for any two-year membership or renewal. You do not have to wait until it is time to renew. Send us your check for \$30.00 (Canada and Mexico, \$40.00 U.S.; other countries, \$50.00 U.S.) and we will extend your membership another two years. Be sure to give us the name and number of the KUG library disk you want. It will be sent by return mail. Please put your ID number on your check and mail to KUG Renewal Offer, Box 100, Malverne, NY 11565.

MS-DOS Library Is Coming

As promised, our MS-DOS Library is almost here. In the next issue KUGRAM will list the first five to ten MS-DOS disks.



Box 100



Dear KUG,

Your member survey results, Vol. 3, no. 4, p. 7, were very interesting indeed. What really astounded me, however, was that only 7% of members — i.e., 10% of members using Perfect Writer — appear to be using Plu*Perfect Writer.

Now I have no connection whatever with the Plu*Perfect Systems people; I'm solely a user. Not a very sophisticated user, either—there are several utilities on that disk of theirs that I haven't yet dared to try. But I just don't know how I'd live without their (readily reversible) keypad configuration — it provides one-stroke control of cursor movement and erasure by words, sentences, and paragraphs — or without the disk-reset that allows me to read and splice from another disk without exiting the file I'm working on. There are other goodies, too, but those are the big ones. I get the feeling that Plu*Perfect has been unfairly neglected. If PW users think that P*P can't be much good just because it's so reasonably priced, they're missing a lot!

In sum, PW's many powerful features (not least its split-screen editing), make it a great word processing system. Combining it with the speed and convenience of Plu*Perfect makes it, for me at least, a well-nigh ideal one. If this opinion constitutes a "plug," so be it.

Charles H. Chandler
 80 Boundary Road
 Malden, MA 02148

Dear KUG,

I've noticed that in some areas, the local Bell systems are offering a free option whereby you can dial "*07" before you dial your phone. This command defeats the call waiting option for that call only.

John O. Buck
 Director of Human Resources
 1200 Lakeshore Avenue, Suite 16-B
 Oakland, CA 94606

Dear KUG,

Perfect Writer can be used to change the field tags of a Perfect Filer database. This cannot be done by using MOVE, which transfers data between identically-tagged files on different disks. Also, PF doesn't want you to use any of the tags of its predefined templates. [By the way, how do you get those dang templates and stuff out of your hair?] If you want to use those tags, you can define the screen with phony tags and then replace them with the ones you want. Note that any "data descriptors" (the ones that appear on the screen) which are identical with field tags will also be changed.

* Print list of member elements and field tags using CREATE. Under Modify existing database, Display screen definition.

* Database disk in B:; PW edit disk in A:. Reset. At opening menu select E, edit a file.

* File to edit is B:DB.DEF. Up comes cryptic code, in which you will notice field tags imbedded. [Note: WordStar can't handle this. It tries to display a file 5 lines by 850 columns.]

* Hit Esc...R for search and replace. At prompt, type your existing tag, then hit Esc. At prompt, type new tag; hit Esc. If you are used to WS, you'll be amazed as PW executes this command instantly. Repeat for each tag you wish to rename.

* Save and exit with ^X, ^W <cr> ^X, ^C. Get back to system.

* Filer in A:; Database in B:. Type CREATE. Modify existing database. Display screen definition to make sure your changes appear. Save database. This is the nifty part. CREATE will write the three files which contain the tag names: DB.DEF, DB.TXT, and MEMBER.H. This automatically brings all listforms into compliance with your new tag names. You will need to change any source files which you use for generating mail to include the new tag names.

I used this method to change all my tag names from upper case (which won't work to generate mail) to lower case. Use this method to merge dissimilar databases: Change field tags to match and then use MOVE.

Timothy L. Olsen
 8222 S. Park Avenue
 Tacoma, WA 98408

Dear KUG,

I use The Word Plus spelling checker, but I use a lot of words which don't come in its standard dictionary. It has a facility for adding words to an "update" dictionary, which it keeps in a separate file from the main dictionary. But in adding to this update dictionary, I soon used up all the space on the disk on which The Word resides and couldn't add any more words. I solved the problem by setting aside a separate disk which I use only with The Word. I put whatever file I want to check on this disk and insert it in the B drive. I log onto the B drive and type A:TW to call up The Word program from the A drive while still remaining logged onto B. The program works this way and saves the dictionary "update" file on the disk in B, adding new words cumulatively to the file (which remains on this disk) each time I check a new file and come across more words which aren't in the main dictionary.

Another solution to a disk-space problem: If you are working with WordStar on a large (35k+) text file, you can easily run out of disk space even for editing purposes. For example, trying to move backward through such a file requires using additional disk space, and you may get a "Warning: Disk Full" message and be unable to get back to the beginning of the file. Solution: Say you're logged onto the B drive. When you begin the editing session type "A:" after the filename (FILENAME A:). This means that when you save the file, it will be saved on the disk in the A drive (make sure there's room for it there if you intend to save it by the usual command), but it also allows WordStar to use the space on both disks to do its work, such as searching backwards. This trick is also good if you have a crowded disk with a long file on it, and you want to go into it with WordStar to make a separate copy of a few pages of it which happen to be toward the end of the file.

Does anyone know where I can buy ditto masters which are attached together for continuous feed into a printer (with side-perforations for tractor-feed)?

Michael LaFargue
 131 E. Cottage St.
 Boston, MA 02125

Dear KUG,

People who run the SWP CO-88 board in their 4-84s and K-10s have complained about their inability to run standard IBM software. Unfortunately, the only MS-DOS software that runs is the "plain vanilla" variety. This stuff is hard to find and is seldom as deeply discounted as the popular stuff for IBM PCs.

There are workarounds. I've been running 1-2-3 quite successfully for several months using SWP's Lotus Utility driver, but I wanted to run a word processor as well. Since WordStar is our office standard, that was my first choice.

It turns out that "reverse engineering" an IBM-configured version of WordStar (I used version 3.3) is very easy:

—First, run the installation program, WINSTALL. Answer its tiresome series of questions in the normal, obvious way. (Don't worry about WINSTALL failing to run—it's a "well behaved" program that runs the screen through DOS.

—At the main menu, enter +, which gets you into the custom installation system.

—You will need to find and change only two values, :MEMAPV and :HIBIV. These tell WordStar whether you are using memory-mapped video and whether to set the high bit of characters meant to be highlighted.

. . . When asked for the location you wish to change, enter these patch names. Don't forget to precede them with a colon.

. . . Both values will initially be set to FFh. Change both to 00. Just follow the instructions to make the patch.

I usually run the CP/M version of WordStar that came with the Kaypro and move text back and forth between CP/M and DOS-readable media, but it is handy being able to deal directly with my IBM disks without first copying all the files.

Walt Dickie
600 Ashland Avenue
River Forest, IL 60305

Dear KUG,

Here's a tip I'd like to pass along. This is a way to have the page numbers generated by Perfect Writer come out as Roman numerals. I use it for the Table of Contents of documents to give a more professional look.

For a Table of Contents, include the following at the end of the document. I have it in a file called "ROMAN.NUM," which is inserted with an @INCLUDE command.

```
@SET (PAGE=1)
@PAGEFOOTING(CENTER='-@STRING(CONPAGE=
PAGE) @CASE{
CONPAGE, 1 "i", 2 "ii", 3 "iii", 4 "iv",
5 "v", 6 "vi", 7 "vii", 8 "viii",
9 "ix", 10 "x", 11 "xi", 12 "xii",
13 "xiii", 14 "xiv", 15 "xv",
16 "xvi", 17 "xvii", 18 "xviii",
19 "xix", 20 "xx"} -)
```

The @CASE command causes the appropriate Roman string to be used for the page number based on the value of the CONPAGE variable. The CASE options could easily be expanded beyond 20, which is sufficient for most introductions and Tables of Contents.

Jay Swisher
3039 Ensign Avenue N.
New Hope, MN 55427

CC+ Hints

KUGGERS trying Command Central Plus on their Kaypro 4's have been experiencing some difficulty. CC+ must be called up from a single-sided disk. Sysgen the disk you received from MapleSoft and use that one, or format a SSDD disk using MFDISK, or use SSCOPY. Call up the program:

A>cc a \b (to log in drive A) or

A>cc b \b (to log in drive B).

Note that there is a space after "cc" and after the drive letter. The "\b" gives CC+ the highest drive you plan to access. On a Kaypro 10 you would type "\c."

You can remove the CC+ disk after loading it into memory.

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4 Our Report Writer offers complete arithmetic capability, accurate to 14 digits, versus their 10 digits.

5 We offer up to nine levels of report subtotals, they only offer one.

6 Five files may be combined on a single report with MAG/base, while dBASE II only allows one at a time.

7 Our Report Writer uses a high-speed Dynamic Join, versus their much slower physical join.

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

9 You can easily access data files with your own BASIC programs. This isn't so easy with dBASE II.

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

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

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

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

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

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

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Column Contributions

If you have special knowledge of a particular program, such as dBASE, MBasic, Pascal, consider sharing your expertise with other KUGGERS. If you are willing to submit a column (on disk) on a regular bi-monthly basis, please let us know so that we can inform you of deadlines and specifications. We will send you a disk from the KUG Library for each column contributed.

One for One

KUG will send one library disk for each disk containing one or more contributions to the KUGRAM, whether or not the submissions are published. Please make sure your name and address are on the disk label, and let us know which disk you want in return.

CompuServe Offer

Our CompuServe offer is still in effect. For \$35.00 you get a CompuServe Starter Kit, a free modem software disk, and FIVE HOURS of free connect time. The retail value of this package is \$50.00. You save \$15.00!!!

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

Write to KUG Starter Kit, Box 100, Malverne, NY 11565. Be sure to write your ID number on your check.

Dealer Discounts

Over 100 dealers in the United States and Canada are now offering discounts to KUG members. For a copy of the list send a stamped, self-addressed envelope (with your ID number on it) to Dealers, KUG, Inc., Box 100, Malverne, NY 11565.

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

WordStar Patch

When you scroll down with Ctrl-W, the lines change one at a time in a wave-like fashion. This patch corrects it.

Run WINSTALL and install a spare copy of WS.COM. At the first menu, ignore the choices offered (including "Install Terminal") and instead type "+". This gives you the ability to patch what you want. (If you are using WS 3.0 and have the appropriate INSTALL, all you need do is type "N" when asked "Are the modifications complete?" at the end of the process.)

Type RETURN (not "X") when asked if you are done. Now you can supply the address of the spot in the program you want to change, or you can use the label WS supplies. You might as well use the labels, for while the addresses vary from version to version, the labels do not.

The first label is LINDEL. Preface it with a colon or else WINSTALL will beep at you. (In 3.3, LINDEL—line delete—is at address 257h.) Type the following

```
,02 [Number of characters in the patch]
,1B [ESCape]
,52 [Control-R]
. [End of patching]
```

with a RETURN after each line, and ignore the remarks in brackets.

It will ask if you are done. Type RETURN to say "No." Tell it you want address LININS ("Line insert," address 25Eh in 3.3), not forgetting to preface it with a colon. Type the following:

```
,02 [Number of characters in the patch]
,1B [ESCape]
,45 [Control-E]
. [End of patching]
```

as above.

Type "X" to say you are done. End the install session, and save it in a new WS.COM. Now you can move easily through the text.

David Weinberger
104 N. Douglas Ave.
Margate, NJ 08402

A Star Solution

DS 8
1 * (RS*12)=FULL OFFICE ACCOUNTING

For those who have embarked on the adventure of learning to use the Micropro software accompanying the Kaypro, you know that it takes time and patience to master all its features. We had no trouble putting WordStar to use in word processing in our correspondence school work. DataStar has efficiently taken over the registration and academic progress of our numerous students. ReportStar gives us a continuous up-to-date report of the area response and other data concerning students.

However, using CalcStar or ProfitPlan for our organizational accounting was something else. Having four departments, keeping accounts for over 20 individuals, and handling funds in three currencies proved to be a real challenge. CalcStar was up to the task, but only if about nineteen different spreadsheets were used. Each entry meant selecting the proper spreadsheet and then selecting another for a different kind of entry. To find the proper box to store the entry on a spreadsheet is also a task that is multiplied by each entry. Added to this was the limited disk space, plus all the blank space on the paper when printed. Our 400k drives would not have been ample to store one year's entries, which are about 200 per month.

Our solution was in the formula stated in the article title. One DataStar entry multiplied into eight sorted files produced twelve ReportStar accounting reports resulting in a full office accounting system. Your formula may vary according to your needs, but it is possible to set up your accounting system using DataStar for entries and ReportStar for printing out all statements.

The genius of the system is that only one entry form is used. Ours was designed on DataStar's Formgen and has about twenty different fields which allow for coding of entries for various accounts. Each entry is categorized as departmental, personal, credit or debit, type of transaction as well as calculating currency exchange and noting bank account numbers.

All entries are done at one time and then the different files are copied, formsorted according to a new definition key and then run through ReportStar. The reports have been generated using Redit and designed for readable printouts giving beginning and ending balances and credit and debit entries. Redit allows for calculations and conditional statements, necessary for separating monthly reports from the data base stored by DataStar. The entry form is key fielded so that the credits and debits reports are run off from it. Then the data file is copied and renamed eight times and from these eight, ten other reports are run off.

The system has worked out very well and allows for departmental reports as well as overall organizational reports and specific accounts. Some reports give the status of each account, while others give a full list of transactions, credits, debits and beginning and ending balances.

Printing only one report requires the entering of the beginning balance. Others need only the date change as is required in the ReportStar Redit report program. Anyone interested in one slightly used CalcStar disk?

Frederick Plastow
Malaga Media Center
Apartado 570
Malaga, Spain

Tee Shirt Update

We have received some fantastic slogans and graphics for our tee shirts. We have been having such a good time reading and trying to select the winners that we have decided to give more of our very creative members one last chance to exercise their talents and submit their entries. Keep those cards and letters coming in!

We will have chosen the official KUG tee shirt slogans by the time the next issue of KUGRAM goes to press. We will give further information then.

Time to Renew ???

See P. 2 for Special Offer

Prop Spacing Installation for WordStar 3.3

by Arlene Smith

WordStar can micro-justify and produce even right margins. So who needs proportional spacing? Proportional spacing improves the "readability" of text — compare typed or computer-printed to typeset documents.

WordStar has an "undocumented" proportional spacing toggle command — CTRL-PP. It's not mentioned in the manual, nor is it actively supported by MicroPro. I can understand why. Trying it with a 12 cpi print wheel resulted in an unreadable mess.

Chaucer Software has released a program that gives you as many as three new versions of WordStar: one for 12-pitch wheels; one for 10-pitch wheels; and one for proportional spacing wheels. No previous WordStar settings are changed. You can install any or all versions. Installation is simple and menu-driven. After you install the program, you may delete it from your working disk. A letter quality printer is required.

After entering the new WordStar and writing your text, you format for proportional spacing with or without right margin justification. Enter: CTRL-PP where you want proportional spacing to begin and another CTRL-PP where you want it to end; CTRL-PA to select spacing other than the default; and .CW nn to select the desired cpi. Reformat the document; save and print it. The printed results are "pseudo proportional": between words, the spaces are slightly enlarged, between words, slightly compressed. A 10- or 12-pitch wheel produces the same number of characters per line as standard printing. A proportional wheel balances the spacing better and fits more characters on the line. The results are pleasing.

With this \$39.95 program, appearance is improved with a minimum of fuss and aggravation.

PROPORTIONAL SPACING INSTALLATION for WORDSTAR 3.3, by Chaucer Software, P.O. Box 2308, Princeton, NJ 08540.

Get Rid of Static

Static discharge can be a real problem around sensitive electronic gear, namely your Kaypro. There are several things you can do inexpensively to alleviate the problem.

1: Buy a spray bottle. What you want is something that will put out a fine mist of water. Fill the bottle with tap water and spray in the air several feet away from the computer. It works even better if you put in a tablespoon or so of liquid clothes de-clinger.

2: Scrounge several feet of cheap wire, something from around the house or garage. Cut off about 8" and strip a half inch or so of insulation from the two ends. Then get a small phillips screwdriver and loosen a screw on the plastic catch on the side of the keyboard and one of the screws on the plastic catch on the main body of the computer. Wrap the wire around the screws and tighten them down. Then take the rest of the wire and measure out what it will take to get to a good ground, like a cold water pipe. If you want to get fancy, get some alligator clips and use them on the end you are going to ground.

3: Don't want to pay a bunch of money for one of those fancy wrist straps to discharge static? Find an old watch strap or buy one. They are cheap enough. Get a metal one if you can, but a leather or cloth item will work just as well. Get some more wire, and solder one end of the wire to the metal watchstrap. Attach the other end of the wire to a good ground and put it on. What you want is to have the wire in contact with your wrist. It works.

4: One final thing — make sure you touch a grounded object before you sit down to use the computer, and don't let other people come up around you while you are working. They can zap the file you are working on if they get too close.

Hope it helps, and the price sure beats what I've seen for humidifiers, anti-static mats and wrist straps.

Capt. Karl L. Sandwell-Weiss
PSC Box 2387
APO SF 96328

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Word Finder

by Mark J. Silvermetz

WORD FINDER is an easy-to-use, on-line thesaurus that works with WordStar 3.3 and 3.0 and several other word processors (but not Perfect Writer). Designed with the help of a professional lexicographer, this easy-to-install program boasts a 90,000-word thesaurus.

WORD FINDER is almost TOO easy to use: With the cursor anywhere in the word (or one space after it), you hit "Esc" twice. Within 1-3.5 seconds, the top of the screen fills with synonyms for the word—or with synonyms for the alphabetically closest word in its list. If you prefer a suggested synonym to your original choice, you move the cursor to that word, hit <CR> and ZAP! The new word will automatically replace the old, right in your text, retaining the same capitalization, punctuation and case as the original! If you prefer your original word, you hit "Esc" again and you're back in your text, with the cursor advanced to the next word.

Both installation and use are covered in a clear, 4-page "manual." Though WORD FINDER adds 10K to WS.COM, it didn't interfere with any of the WordStar customizations I installed. My personal Okidata 92 printer patches, speed-ups, and other WordStar patches still work! But because the thesaurus itself takes up 152k, you should have at least one double-sided, double-density drive.

Keep the 152k thesaurus on the same double-sided drive as the modified WS.COM and keep The Word Plus on a separate disk. To run The Word Plus from WordStar's Main Menu, you hit R (for RUN program), remove the modified WordStar disk, insert the separate Word Plus disk, type your command line, and The Word Plus will run. When you're done, you'll be prompted to replace the modified WordStar disk.

Some reservations about this otherwise excellent program: (1) WORD FINDER tends to give literal, denotative synonyms rather than metaphorical or connotative ones; and (2) WORD FINDER does better with adjectives, adverbs, and nouns than it does with action verbs.

For these reasons I find WORD FINDER okay for non-fiction and "general" writing but less than satisfactory for fictional and dramatic narrative.

Another limitation: If WORD FINDER doesn't find the exact word you ask for, it IMMEDIATELY presents synonyms for the alphabetically closest word found. Sometimes, WORD FINDER will come up with synonyms for a related form of the unlisted word, but not always. This is especially a problem when you feed it present tense verbs and plural nouns ending in "s," for which WORD FINDER often presents synonyms for a completely unrelated word. (The "s" moves the word alphabetically farther from its root than does the "-ed" form of a verb or the singular of such nouns.) This further limits WORD FINDER's use with dramatic narrative and other present tense writing. Separating the suffixes may help, but that adds work. Fortunately, Mike Weiner of Writing Consultants says that a future version of WORD FINDER will branch off into an alphabetical sub-list from which we can select a closely related form of words not found.

To be fair, two fellow KUGRAM reviewers here say I'm asking too much of a computer program and question my distinction between non-fiction and fiction writing. In any case, WRITING CONSULTANTS has confirmed a slant toward "general" non-fiction writing (an intelligent choice, since non-fiction writers comprise the bulk of the market). All I'm saying is: Don't expect WORD FINDER to replace Roget's Thesaurus.

CONCLUSION: If you write non-fiction, you'll LOVE this program. Just having it there gives you a certain sense of confidence. If you write only fiction or drama, you'll LIKE it, but mainly as an on-line spelling and meaning checker. Despite these reservations, I use WORD FINDER even for dramatic writing. I find that the security and excitement of having this program on-line—even if mainly as an on-line spelling checker—too much to resist. . . .

THE WORD FINDER . . . \$79.95 (\$124.95 list) from Writing Consultants, Suite 342, 11 Creek Bend Drive, Fairport, NY 14450.

Gunning Fog Index

If you want to one-up your friends with minicomputers or IBM PCs, ask them if their computer can do a readability index. Your Kaypro can. What follows isn't completely automatic, but you can spend over \$100,000 and not have this.

There are a few office minicomputers and word processors which offer a readability index. Those that do often charge more than the cost of a Kaypro for the software.

The WORDFREQ program, part of the Word Plus that comes bundled with your Kaypro, provides the basic tool for calculating a readability index. You have to do some counting yourself and type about two dozen lines of code. It took me less than 10 minutes to do an index for this article.

The simplest formula to apply is the Gunning Fog Index. It relates sentence length and word length to a school-grade reading level. The index is the sum of the average number of words per sentence and the average number of big words per 100 words multiplied by 0.4.

Robert Gunning, in his book "Techniques of Clear Writing," recommends spot-checking a text with 100-word samples. With the Kaypro you can check an entire magazine article in less time than it takes to manually check several samples.

To find your Fog Index perform the following steps:

A. Use your word processor to find the number of sentences in your text. The global search-and-replace-with-query function will let you count sentences in short order. Tell your word processor to replace the punctuation mark with itself. First go through the text searching for periods. Then, if you used them, search for question marks, exclamation points and semicolons. Record the number of sentences on a piece of paper. (A sentence is defined as an independent clause. Thus, "I came, I saw, I conquered" counts for three sentences whether it's punctuated with periods, semicolons or commas.)

B. Run the WORDFREQ program thusly: WORDFREQ MYTEXT. If the text is on a different drive use the drive name. Use the proper file extension if any. The program will display the total number of words. Write these down. It counts word processor commands as words, so you may want to make a separate file with just text. WORDFREQ creates a file with the same filename as your text and the extension .FRQ. Call up this file with your word processor and delete lines with small words. You will be left with a list of big words which can be sent to your printer. (Big words are those of three or more syllables, not counting capitalized words, combinations of short, easy words like "horsepower" or verbs made into three syllables by adding "es" or "ed." Since I write for the Army, I avoid alphabet soup by counting acronyms as big words.)

C. Select the Fog program from the Okidesk menu. [See KUG Library disk #150.] Enter the numbers you wrote down. Presto, there's your Fog Index!

Now that you've got your Fog Index, how do you know it fits your audience? For ease of reading, shoot for one whole school level below your audience's education level. For example, people need a high school diploma to enter the Army. So my editors have me write to a Fog Index of 8. If you write technical papers for specialists with advanced degrees, an index of 16 would be OK. An index of 17 or higher is probably painful for even the most persistent reader. Weekly news magazines usually have a Fog Index of 12, as do William F. Buckley columns.

The approved method for lowering a Fog Index is to substitute words of one or two syllables for polysyllabic words. Breaking up long sentences can help, but it may make your writing appear choppy.

There are readability indices that are more accurate and possibly more suitable for total automation. If anyone has coded one, I would like to try it out.

The Fog Index for this article is 9.

Joe Oliver
2426 Dexter Ave.
Silver Spring, MD 20902

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Dave Gerrold, Profiles Magazine

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KAYPRO Uptrading

by Gregg Platt - PeopleTalk Associates

You've probably noticed that many long time KUGGERS seem to be asking: "Now that Kaypro is switching to MS-DOS, should I get rid of my CP/M system and upgrade to an IBM-compatible model?" When one considers the media hype being focused on the death of CP/M and the "necessity" of being IBM compatible, it's easy to see why this question is asked so often. In fact, if calls on our consulting hotline are any indication, a fair number of CP/M users have already taken the DOS plunge.

If you're a CP/M user and find yourself eavesdropping with increasing frequency on conversations about MS-DOS, or staring at those sleek new jobs in your dealer's showroom, or thumbing through computer magazines reading ads and articles about the latest IBM compatible doodads and the demise of CP/M, beware! You may wake up one day to find you've become a victim of one of the greatest snow-jobs in history. The fact is there are relatively few CP/M users who will gain much of real value by trading in "old blue" for "Big Blue" or one of its kissin' cousins. To put it bluntly the IBM-PC just doesn't have that much to offer in added performance, new features, or price. Furthermore, we believe that rumors about the death of CP/M have been GREATLY exaggerated! [Our apologies to Mr. Twain.]

Now please don't misunderstand. We're not saying there aren't any valid reasons to trade in your CP/M machine. It's just that we believe there are relatively few GOOD reasons to do so. For most users it's cheaper to solve their problems by upgrading their present machine rather than trading it in on a new one.

We admit the new machines do offer a few benefits. They obviously benefit dealers and manufacturers in that they are more expensive than the CP/M models. They also benefit software houses by allowing them to sell much larger, poorly designed and written, less efficient, and more expensive programs. And they benefit IBM in that each sale of an IBM clone is in effect an endorsement of the mediocrity of IBM's PC.

But the key question is, do they benefit YOU, the end user? In some cases the answer may be yes . . . If, for example, you need to create huge spreadsheets which crunch jillions of numbers very quickly and you don't own an '84 or later model Kaypro, you may find it necessary to switch to an IBM clone (cost without any software about \$2100) to achieve the desired results. But if you own a late model Kaypro you could add SWP's CoPower88 board to your system (costing \$400 - \$800 with MS-DOS) and Lotus 1-2-3 (costing \$300 - \$400) and you'd be able to run DOS and Lotus 1-2-3 on your system, saving around \$1500 in the bargain. In addition to financing your kid's college education with the dough you save, you will get an added plus in that the CoPower88's add-on memory can operate as a Ramdisk under Kaypro's CP/M.

Similarly, if you absolutely must have gee-whiz graphics or color output on your screen, you may find that your only real choice is an IBM compatible machine. In many cases this is true - especially if you are an architect, engineer or artist and need a sophisticated graphics package in your work. On the other hand, if you need to do a few simple charts and graphs, and basic graphics on your screen and printer (and again presuming you own an '84 or later model Kaypro), you could pick up a product like Rembrandt (\$50 - \$70) or one of the other Kaypro graphics products and make the down-payment on a new car with the extra two grand. Color graphics add-ons are available for the Kaypro from several reliable vendors including MicroSphere, Inc. of Bend, OR. If you need faster processing, you might also want to consider one of the IBM clones. Their processors are actually about 5% faster than the CP/M Kaypros, but the extra memory they offer makes them seem much faster. However, you can get comparable performance from your CP/M system by adding a Ramdisk and using it for your programs and datafiles rather than using the floppy or hard disk.

The bottom line is this: if you buy any computer based on the garbage dished out by marketing departments, you're bound to be disappointed. We ought to know. We own several machines - both DOS and CP/M.

Now where did I put that UNIX manual...

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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!

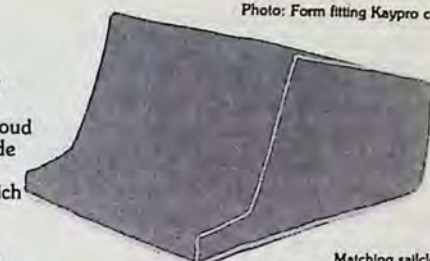
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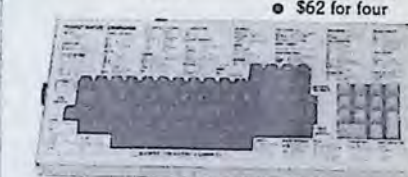
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UltraMax, LC S UA NF	\$149.00	\$ 99.00
TeleMax, D IOL 2PJ NF	\$ 89.00	\$ 69.00

"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."

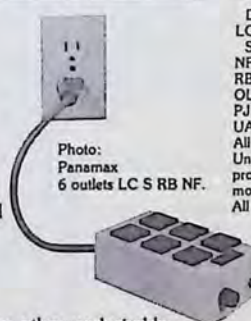


Photo: Panamax 6 outlets LC S RB NF.

D: Connects direct to grounded wall jack.
LC: Includes 6 foot long heavy duty line cord.
S: Includes illuminated on/off switch.
NF: Includes EMI/RFI noise filter.
RB: Includes reset button.
OL: Includes outlet.
PJ: Includes 2 phone jack receptacles.
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All units include the added security of a 4 amp fuse.
Unique Panamax EMI/RFI noise filters provide protection in common and transverse mode. Essential for modem communications, multi-user stations, etc.
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"Overvoltage can be fatal to both data and hardware alike."
P.C. Magazine, March 1983

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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 for one, or \$21 each if you buy 2 or more. Keep prying eyes and sticky fingers away from your important data. Order today.

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

Stop Tearing Up Your Disk Drives

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

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

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

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

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



Photo: MicroSpooler 64 K P-P

CONSOLINK MICROSPOOLERS

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

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

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NORTHWESTERN ANALYTICAL		
StatPak	\$495.00	\$399.00

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Kaypro Software — continued		
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Juki 6300 Printer

by T.F. Chiang

Juki is best known for its model 6100 printer, which Kaypro has put its name on. Their top-of-the-line printer is the 6300, a Diablo-compatible daisywheel claiming 40 cps and listing for \$995. It is similar to the 6100 in many respects.

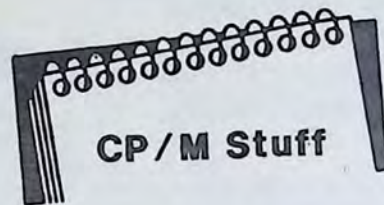
Physically, the 6300 appears solidly constructed, with a lower profile and a broader base than the 6100. Unlike the 6100, it uses the 96-character Diablo printwheels and Diablo compatible ribbons. The latter aren't too hard to find, but I could get the printwheels, at \$8 each, only from Juki Office Machine Corporation itself. [Contrary to what Tom Enright said in Profiles, they dealt with an end-user with no problems whatsoever.] Documentation accompanying the machine is excellent.

DIP switches allow for adjustment of print quality, print hammer intensity, auto linefeed, line/serial mode, pitch, or foreign character sets. The 6300 can print at 10, 12, 15 pitch, or proportional spacing. A 3k buffer is standard.

As for speed, the advertising is a bit deceptive. The specifications sheet says the 6300 is capable of 40 cps, but only with 3A text at 12 pitch. My tests gave a speed of 30 cps using Courier text at 10 pitch, and 36 cps at 12 pitch.

The 6300 is capable of horizontal movement in 1/120 inch increments, and vertical movement in 1/96 inch increments. WordStar, configured for a Diablo 630, can make the printer output the file PRINT.TST perfectly: true boldfacing [as opposed to simple triple-striking], super- and subscripts, variable character pitch, variable line height, and microjustification, which means that text is justified with space spread evenly between words and between letters as well. Escape codes make fine-resolution graphics possible.

This machine can be found discounted at even less than its already low price. If you're looking for a reliable printer with good speed and a good price, the Juki 6300 comes highly recommended.



In the last issue we promised to show you how to set up a menu-driven program using only PIP.COM and SUBMIT.COM on your CP/M disk. Well, a promise is a promise, so let's get started.

Prepare a sysgened disk with only PIP.COM and SUBMIT.COM on it. Place this disk in drive A and a formatted disk in drive B. Do a warm boot (CTRL-C) and at the A> type REN P.COM=SUBMIT.COM <RET>.

Using the method discussed in the last issue, at the A> type the following:

```
PIP MENU = CRT: <RET>
P 1 - GET DIRECTORY OF DRIVE A <LF><RET>
P 2 - MOVE FILES TO DRIVE B <LF><RET>
P 3 - GET DIRECTORY OF DRIVE B <LF><RET>
P 4 - SHOW THIS MENU <LF><RET>
<CONTROL> Z
```

Again at the A> type

```
PIP 1.SUB = CRT: <RET>
DIR A: <LF><RET>
<CONTROL> Z
```

Again at the A> type

```
PIP 2.SUB = CRT: <RET>
PIP B:=A:*. * <LF><RET>
<CONTROL> Z
```

Again at the A> type

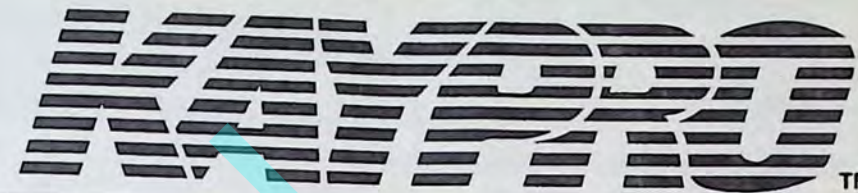
```
PIP 3.SUB = CRT: <RET>
DIR B: <LF><RET>
<CONTROL> Z
```

Again at the A> type

```
PIP 4.SUB = CRT: <RET>
TYPE MENU <LF><RET>
<CONTROL> Z
```

Type DIR and see that you now have four SUB files in addition to PIP.COM, P.COM and MENU.

At the A> type P<space>4 <RET> and try it!



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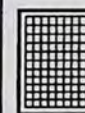
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Starwares

Stardate: 1985. Location: The DataStar solar system. Our mission: To build a compound (data entry screen) on the planet FORMGEN.

Note: <CR> means "Press the RETURN key."

Task 1: Prepare the landing vehicles. Place the following files on the main drive: FORMGEN.COM, DATASTAR.COM and BATCH.OVR. (More files will be added in later missions.) Plan to store your files on a second drive.

Task 2: Survey the terrain. Cold or warm boot your system. At the system prompt, type: FORMGEN<CR>. At the request for the name of form definition file, type: <drive>:NAMES<CR>. You will be at Help Screen 4. Repeat the next sequence four times: Read the Help Screen; press CTRL-J to see the next screen.

Observe that the cursor location by line and column (LIN=000 COL=000) appears at the top of each screen. When you have looked at all the screens, move to Help Screen 3.

Task 3: Build the compound. From here on, anything between <> means "press the indicated key." Anything underlined indicates text to be entered by you. And now, to work.

<CR> (Notice that LIN=001).

LAST NAME: <spacebar> until COL=012

<CTRL-Q> or <_> (underscore) 20 times
<spacebar> until COL=041

FIRST NAME: <spacebar> until COL=052

<CTRL-Q> or <_> 15 times
<CR> until LIN=003

ADDRESS 1: <spacebar> until COL=012

<CTRL-Q> or <_> 30 times <CR>

ADDRESS 2: <spacebar> until COL=012

<CTRL-Q> or <_> 30 times <CR>

(continued)

CITY.....: <spacebar> until COL=012

<CTRL-Q> or <_> 20 times
<spacebar> until COL=034

STATE: <spacebar> until COL=042

<CTRL-Q> or <_> twice
<spacebar> until COL=046

ZIP: <_> 10 times <CR>

HOME PHONE: <spacebar> until COL=012

<CTRL-Q> or <_> 13 times
<spacebar> until COL=034

BUSINESS PHONE: <spacebar> until COL=046

<CTRL-Q> or <_> 13 times

Task 4: Select the reference point. Using the cursor commands listed in the first two lines of the Help Screen, move your cursor anywhere into the row of underscores following the text "LAST NAME." Notice that when the cursor is on any underscore in any field, an additional location message appears on the top line of the screen. POS=position of cursor in that field; NUM=number of that field by order of entry; LEN=length of that field; EDC=field length marking character (we used "_").

Task 5: Mark the reference point. When the cursor is someplace in the LAST NAME field (the row of underscores), press <CTRL-K>. Each underscore in the field will be replaced with a "*".

Task 6: File the compound blueprints. <CTRL-C> (Help Screen line 4 — form done). <CTRL-B> (Save & boot system) If you type slowly, you'll see this message. If you type fast, you won't. Either way, your file will be saved.

Debriefing: We've used FORMGEN to create a data entry screen called NAMES.DEF which has LAST NAME as the key (reference) field. We've saved the file to the assigned disk, exited FORMGEN and returned to the system prompt. Look for the file on your directory. You can now go ahead and start building your own data entry screens.

Our next mission: To establish security for our compound and to populate it.

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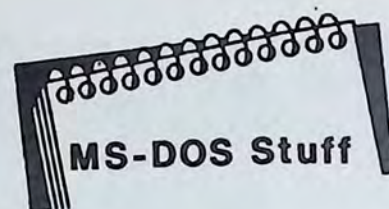
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One of the first things you are asked to do when you get new or bundled software is to ... DO NOT FORGET TO MAKE BACK-UP COPIES OF YOUR DISKS !!!

Well, there are many ways that can be used to copy files from one disk to another, and we will discuss a few of them in this issue.

When you received the DOS disk you were asked to make a working copy. On some Kaypro this was done by just placing the master in drive 1 and following the instructions. Some copies were made using the DISKCOPY program on the master.

One of the main problems with this type of copying is that any disk other than the DOS disk will not "BOOT" when the computer is started or restarted.

To make working copies of programs (not data disks which are usually placed in the secondary drive) that will operate upon boot-up, use the following method:

Place your DOS disk in drive 1 and a blank disk in drive 2 (the floppy drive) and type FORMAT/S 2:. The /S is a switch that places the operating system on the disk after it has been formatted. It is a good idea to format all your disks with this option. The system file can always be removed if necessary.

Since COPY is an internal program, you can remove the DOS disk and place any other disk that you want copied in its place. At the prompt simply type

COPY 1:*. * 2: (*. * means all files.)

Remember that the numbers 1 and 2 represent your drives A:, B: or C:. There should be a space between the asterisk and the drive being copied to.

Place the new disk in drive 1: and RE-BOOT. Isn't that better than having to switch disks?

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WORDSTAR by Chiang

Last issue, we introduced the Find command (Ctrl-Q F) and the Find and Replace command (Ctrl-Q A), with the [g]lobal and [n]o approval options. Here are the rest.

Option U: ignore case. Normally, the above commands locate only the exact string, and if the word you were looking for was at the beginning of the sentence, it would be overlooked. This option finds the string even if any letter in it is capitalized.

Option B: search Backwards. If you want to find the last time you used a certain word, you can search backwards from the current cursor position. If combined with the Global option, WordStar will go to the end of the file and find all occurrences starting from there.

Option W: Whole words only. WordStar normally finds the string you want, even if it's actually inside another word. This option is generally a good one to use if you're searching for a short word (like "the") which might appear in a longer word (like "father"); it also avoids silly accidents when replacing a word. You can use it when looking for a short variable name if you're editing a program listing. This option can be duplicated by searching for a word with a space before and after it.

Option <n>: find the nth occurrence of the string, or replace the next n occurrences, past the present cursor position. If you enter 50, WordStar will find the fiftieth time the word appears in your file, or replace the next fifty. This option can be useful if you are extremely familiar with your file, or for some kinds of counting. Searching for two occurrences of ^B, for instance, lets you check if you paired them correctly. Using Ctrl-L should move you to the end of the next boldfaced word. If it moves you to the beginning of one, you know you didn't pair them up.

Remember, just pressing Return when asked for options gives you none. Ctrl-L repeats the last find or search and replace command, and with the same options as well.

WordStar even allows wildcards in the string you're looking for. Entering Ctrl-P Ctrl-A in the search string puts ^A on the screen, and can represent any character. Searching for "d^Ag" will find "dig," "dog," "dug," etc. Another feature is a restricted wildcard: enter Ctrl-O, putting a ^O onscreen. This searches for any letter except the letter following it. Searching for "d^Oig" will find "dog" or "dug," but not "dig." A final, limited wildcard is Ctrl-P Ctrl-S, putting ^S onscreen; this searches for any symbol. "S100" will locate "#100," "\$100," "=100," etc.

Other things which are allowed in your search string are ^N, which looks for a carriage return (hard or soft; however, there are two spaces at a soft carriage return, but only one at a hard). Searching for ^I finds a tab character, but those (equal to eight spaces) occur only in non-document mode; otherwise, search for a string of five spaces. Most printer control codes can also be found, like ^B, but not those resembling wildcards. The matter is rather confusing, because some control codes look like string editing commands (^X to delete entry, ^R to retype entry, etc. as at the opening menu), and must be entered with Ctrl-P preceding them. Be careful and see what you must enter to find what you want.

If you replace a string with one of a different length, your right margin will not remain straight. You'll need to go to the beginning of your file and enter Ctrl-Q Q Ctrl-B; this repeats the Ctrl-B command, automatically reforming your entire file, until you press another key.

If you are searching for a string of more than one word (like "prickly pear"), try searching for only the most distinctive part of the string (prickly). That way you'll find it even if the string is broken at the end of a line. To substitute another string (like "cactus"), replace only the distinctive segment; then search for the remainder (pear), and replace it with the null string (enter a simple Return), which will delete the remainder. This technique also works if you are looking for, or replacing with, a string longer than the thirty character limit.

In Response ...



...To get a printout of a disk directory, press CTRL-P before calling up DIR. To get a list of your .DOC files, press CTRL-P and then type DIR *.DOC. Any group of files can be listed using wild cards: DIR *.LTR; DIR TEST.*; DIR CHAPTER?*. CTRL-P can also be used to print out a STAT *.* listing.

...To produce a solid underline in WordStar: At the end of the line that will contain underlining—a word, a phrase, the whole line—press CTRL-P <CR>. (A hyphen will appear in the flag column, and the cursor will go to the start of the new line). Move your cursor to where you want the underlining to start. Type in underscores up to where the underlining ends. Press <CR>.

...To estimate how much to save when you use DDT, look at the number of K's needed for the unedited file, then multiply that number by 4. The result is the number of pages that you must save.

...MITE can be configured to up- and download binary files using the Xmodem protocols. From the MITE Main Menu, select "P" (Parameter Menu). Press "D" to set the data bits to 8; press "P" until the parity is "NONE"; press "S" until the stop bits equal 1. Enter any other information regarding the bulletin board that belongs in that menu, then eXit to the Main Menu. Select "B" (Binary File Transfer Menu). Set the CRC to on. Save the parameter file with an appropriate name, and you are ready to go.

...All KUG Library Disks have either a "Read.Me" file (the actual file name may be slightly different, i.e. "-Readme") or file(s) with a .DOC extension. These files give you information about the programs on the disk and how to use them. To read these files: 1) Use your word processor; or 2) Use the CP/M or MS-DOS command TYPE <filename>. (Ctrl-S stops and starts the scrolling on the screen); or 3) Use the public domain program "Display" (KUG Library Disk #108). Press Ctrl-P to get a printout of the file.

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- #156 MEX II [Modem]

[continued]

- * #157 RCPM REVEALED [Modem Utilities]
- * #158 KREEP [Database System]
- * #159 YANC [Catalog]
- * #160 ULTIMATE MODEM [Modem]

* New contributions

New Library Disks

Following are descriptions of files found on the disks that have recently been added to the KUG Library. Most disks contain more programs than are listed here.

#157—RCPM Revealed: A user's guide to the operation of remote CP/M systems. NSWP and NULU are included. RCPM.DOC covers: nulls; the log-on; the main menu; fundamentals; moving around; finding out what's there; what a file does; how to get a file you want; miscellaneous commands; helpful hints; and a glossary.

#158—KREEP [Kaypro Real Easy Entry Program]: Allows creation of records of up to 16 fields; allows customization of most screen prompts; provides a help file which can be edited and altered without limit; will find any string; allows viewing of lists; prints lists.

#159—YANC: Menu-driven master catalog program that works with the Kaypro II, 4, and 10. Updates are placed into a MAST.*** file, leaving the original MAST.CAT file intact. If MAST.*** is successfully written, MAST.CAT becomes MAST.BAK and MAST.*** becomes MAST.CAT.

#160—Ultimate Modem Program: Irv Hoff's final version of MDM7xx. Includes three .COM files, one for each of the following: Hayes and Hayes-type 300- and 1200-baud modems; and non-Hayes 300-baud modems.

Library Disk Orders

Send \$10.00 [for each disk] to KUG Library, Box 100, Malverne, NY 11565. DO NOT SEND US ANY DISKS. Be sure to mention the disk name, number, your mailing address and ID number. Save 20% by ordering any six KUG Library disks for the price of five. Send us the names and numbers of the six disks you want along with a check for \$50.00 to the address above. Make sure your KUG ID number is on your check.

National KUG Disks

DISK 142: ACCOUNTING PACKAGE

Accounts Receivable menu-driven programs, compiled in Basic. Invoicing allows up to two hundred accounts per file and can do sales of goods and posting of sales or checks. The inventory program is able to list by part number or description. Printouts can be made on preprinted invoice forms.

DISK 143: DISK MANAGER +

Various CP/M utilities, a desk management program, and programs for working with text files. CALCULAT.COM: A calculator program. CHDIR.COM: Imposes a named directory structure on your disk, giving you another means to find your way around your disk files. DIF.COM; DIF.DOC: Makes transferral of updated files easier. Examines old and new versions of a file and creates a .DIF file of the differences. DISK.COM: A disk diagnostic program. DSKMANGR.COM: APTINDEX; CDXINDEX; MEMINDEX: A menu-driven desk management program. Gives options to write memos, make up a card file, make an appointment calendar, or use a calculator. DUPUSR.COM: Creates extra entries in the disk directory, making a single copy of a file accessible from several user areas. FILTEX.COM: FILTEX.FIL: An ASCII file filter utility. Takes an input file, deletes control-characters, strips out high-order bits, and fixes orphan linefeeds. LIST.COM: Similar to CP/M's TYPE, but displays a file a screenful at a time. MENU.COM: Gives a menu of all the .COM files on your disk, for you to choose which one to run. PROTEC.COM: protect a file by setting the R/O, SYS, or other tag attributes. RECOVER21.COM: A menu-driven program to recover erased files. RENAME.COM: Allows ambiguous file names. Has an inspect mode to check each file and is able to operate on SYS files. RESTART.COM: Re-executes the last program in memory. ROFF.COM; ROFF.DOC: Text formatter. Default values can be changed. TABIFY.COM: Replaces multiple spaces in a text file with tab characters, cutting down on space. WASH.COM: Disk maintenance utility. Gives an alphabetical directory and allows viewing, copying, and other file operations.

DISK 144: WORD PROCESSING +

ENSOFT2.COM; ENSOFT2.DOC: Converts pure ASCII text files to the type that WordStar uses. ENVELOPE.ASM; ENVELOPE.COM; ENVELOPE.DOC: Finds addresses for envelopes by searching memory or a disk file for a marked block of text and prints that block directly. FILTER.COM; FILTER.DOC: Program to remove various unwanted characters from a file. Can change a WordStar file into ASCII, or cut out only print control characters, or take out carriage returns or linefeeds, etc. FINDBD54.COM; FINDBD54.DOC: Stops the "Bad Sector" error messages by locking all bad sectors into a file. The disk is then usable. HELP.COM: Displays help screens on a given topic. Used to read INDEX.HLP. INDEX.COM; INDEX.HLP: Constructs an index for a WordStar file. You mark words and phrases in the text, and it compiles an alphabetical listing with page numbers. MB-SAVE.COM: A program to recover an MBasic program which was not saved before returning to CP/M. MSA.INF; MSA15.COM; MSA15.DOC: A disassembler, converting a .COM file back into its source .PRN or .ASM file. NSWP205.COM; NSWP205.DOC: Version 2.05 of NewSweep, the excellent disk maintenance program. Aside from the usual copying, deleting, renaming, etc., this version implements squeezing and unsqueezing, and a find file command. PROPOR.COM; PROPOR.DOC: Gives proportional spacing with Wordstar. Patching is required, and works only with a NEC or C.Itoh dot matrix printer. QWIKKEY.COM; QWIKKEY.DOC: A key redefinition program, like CONFIG or a commercial program. Allows you to define strings for up to 16 keys, with up to 36 characters for each. UNPRO.COM: Unprotects MBasic programs saved with the "P" option, allowing them to be listed. UNSOFT.COM; UNSOFT.DOC: The converse of ENSOFT. Turns a WordStar file into ASCII text, stripping high-order bits and removing special characters. WS-SAVE.COM: Recovers a WordStar file from memory if it wasn't saved to disk. WSSUBMIT.DOC; DEFAULTS.SUB; MESSAGE1.SUB; MESSAGE2.SUB; PRINT.SUB: These files, when used with DDT and SUBMIT, automatically patch your copy of WordStar. SUB files alter a few default values on-screen, let WordStar use an Epson MX printer's special features, and change the print menu [^P prefix] correspondingly.

Sysop's Corner

by Frank Fallon

NSW207.COM (NEWSWEEP), which I keep on all my disks, allows you to copy, delete, print, or view on console even a squeezed file. It is more useful than PIP. Viewing is by the screenful rather than in one burst as with the CP/M TYPE command. For a nicely formatted 23 page print out, LISTT16.COM will do an excellent job of formatting your copy page by page, but you will have to UNSqueeze the file first.

Users of Mycroft Labs MITE please note. Set MITE so that it uses 8 bit, 1 null, and no or zero parity before you get on line with a BBS, RCP/M (Remote CP/M), or CompuServe. You will not be able to download unless you do this.

There are now almost 200 systems which allow access at 2400 bps, and that number is growing very rapidly. Look for the file 2400BBS.002 for the latest list of 2400 bps systems. Thanks to a generous offer to sysops of its Courier modem at \$350, U.S. Robotics has sped up the upgrade process considerably. The move to 2400 is happening faster than anyone expected.

All this movement to 2400 has led to the implementation of 1k transfer rate using XMODEM so that the new technology is not slowed by the old 128 byte CRC check. Irv Hoff has renamed MDM740 and configured it to run 2400 bps and a 1k transfer protocol. Look for the program IMPKP.COM or IMPKP.LBR on your local system.

More and more remote systems are running programs written in Turbo Pascal (TPBBS), but the latest public domain innovation in remote systems, MBBS 3.6 by Kim Levitt, is a giant leap forward in the RCP/M world. In fact, it is amazing that this is a "free" program. It is that good. Kim asks for donations if you use the program. No matter what you send him, you are getting quite a bargain. MBBS 3.6 allows a user to <S>earch through the entire message header for any string: date, user, subject, etc. The string must be included within single quotation marks: S;'MITE' finds the messages dealing with MITE.

The editor has word wrap features, so words are no longer lost at the end of a long line.

But the real value of the new version is that it allows more and easier control of the system by the sysop. Many users have no idea how much time a sysop's housekeeping chores consume.

MBBS supports a clock so that time limits can be set and the date changed automatically. The sysop can set various levels of usage for individual users. In fact, it approaches a level of sophistication seen only on CompuServe and in the commercial TBBS program.

Murray Simsolo, sysop of the LIKUG RCP/M (516) 825-8465, was one of the first to put it into operation after its release in May. Thanks to him I have it running on the MUGBBS system (516) 742-0039. Angel BBS, a church-related system at (516) 878-8319 also uses MBBS. All three systems can be accessed at 2400.

If you want to set up your own RCP/M, not an easy task, you will need to get the entire LBR file (MBBS36.LBR), some 150K long including the documentation and necessary utilities. In addition you will need Mbye36.COM, XMODEM105.COM, CHAT42.COM, TYPEL34.COM, and LDIR22.COM or later versions.

The BYE program is the heart of the RCP/M and the most difficult to install in that each sysop must tailor it for the particular machine and features to be implemented. This involves editing the ASM file before compiling the program.

You will be forced to learn something about assembly language along the road to getting your RCP/M up and running.

As practically all BBSs and RCP/Ms are run on machines with hard disks, you will probably want to use some version of ZCPR to protect the system and make it run more efficiently. It is a task which requires reading documentation, ugh, and a knowledge of ASM.COM and LOAD.COM.

For information on using ASM you might look at ASMHELP.LBR, which is on many RCP/Ms and which is in DL 0 on PCS 25 as ASM.HLP. This file was written by members of the Kaypro SIG on CompuServe.

Best of KUGBB

dBASE does not have the PACK command fully sorted out. I know that disaster is nearly guaranteed if you should ever PACK an INDEXed file when the index is out of sync or out of date.

A general solution: don't use PACK whenever you can't afford to lose your data. Instead, use COPY, which will write a file that is an image of your original, minus any DELETED records. Just USE your file (INDEXed or not), and say COPY TO <newfilename>. You can then USE your new file, check it for intactness, and when sure, DELETE your original, and RENAME <newfilename> TO <originalfilename>. Do make a backup of the original first.

—Warren Allen

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 DBII 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

You should be able to achieve one and a half line spacing by setting the PW default style parameters with the PFCONFIG program. The drawback is that ALL line spacing in any document formatted with that PF.DAT file will be in line and a half increments.

From the PFCONFIG menu select #3 "Perfect Writer default style parameters," then select #7 "Line spacing in 1/10ths" and set at 15. (Depending on the quirks of your printer, 16 might work if 15 does not.

—Nan Lewis

Adventure Tips

The following tips appeared on the KUGBB and refer to the ADVENTURE game (KUG Disk #106).

— I've read through most of the messages on the board about ADVENTURE and thought you might welcome a summary of all that data: <SAFE> can be opened; <SWORD> go NW from hall of mountain king, turn E, eat mushroom, then take sword (mushroom grows back later in game); <VENDING MACHINE> don't give it coins; they are a treasure; to get out of maze go down from entry room; <MELENKURION TOOL ROOM> place where "proper tool" is found; perhaps saying "Melenkurion" accomplishes something; <OGRE> kill by throwing sword, take ring; <NOSIDE SAMOHT> said in sorcerer's lair relights lamp if not holding lamp; may work elsewhere, may not; <ICE MAZE> contains treasure, requires good map, pays off on certain magic words "Thurb" and "noside samoht"; <WHIRLPOOL> enter it to reach far side of reservoir; <CLAM> go N from giant room, get trident, open clam; <DRAGON'S TEETH> throw at somebody; <TROLL> throw eggs, then enter Fee Fie Foe Foo one word at a time and eggs reappear where you found them; <SPECTACULAR VIEW> wave rod, bridge appears over lava, cross carrying ring; <FLASK> put in pentagram before opening; pentagram is on other side of fog (cross fog in dark); <CATACOMBS> include treasure; <METAL PLATE> show to basilisk. A group of pioneers developed this information. I'd list their names if I had the space. As it is, my thanks to all helpful parties. At this rate, somebody is going to get there.

—Henry King

— I, too, am stuck at 450 points. I see major hints have been summarized, and I can only add that NOSIDE SAMOHT works anywhere in the cave, and the teeth kill the creatures with big teeth that love to laugh. The only things I don't get are what the spyglass could be good for, what the dinghy is there for, and if that inlet is actually another passage. What the djinn says when I open the flask has me totally baffled. And what is that "Spelunker Today" good for? I've gotten this far without ANY hints, but now I'm desperate. Anybody with questions or answers can call me.

—Volker Neirmann (212-280-1807)

Third World Help

Letters about the incipient third world project are starting to flow into KUG. So far, most of the correspondence has been from those who need help. We've also received some commentary that opens up new areas requiring careful consideration and deliberation.

Let's talk about needs first. Without stable electric power, running a computer is chancy, at best. In many third world countries, the lack of reliable power is a very real phenomenon. Requests have come in for sources of uninterruptible power supply and/or emergency back-up power sources.

We've also had several comments about the invaluable source of help and information available in User Group newsletters, magazines and trade papers. In addition, we learned of the desire for users in the third world to be able to communicate with individuals who have knowledge to share about operating systems and applications programs. Communications links should be established.

What means are available, and where are the people who would be willing to offer such help?

From a pilot project involving 450 computers donated by Kaypro Corp. to third world users, requests and information from users all through the third world have been coming in. This leads us to consider some major points. How can we evaluate the validity of requests? Not everyone out there works for an agency — there are a lot of "independents." One suggestion is to channel aid through recognized non-governmental aid organizations.

Some governmental or quasi-governmental agencies may also be considered. How can we determine that these agencies will funnel the aid down to the people who need it, rather than being suppliers to other groups whose goals and methods may be abhorrent to us? Should we assume these factors as our responsibility?

WE NEED YOUR INPUT!!! Send it to THIRD WORLD, KUG, Inc., Box 100, Malverne, NY 11565.

Chapter News

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Al Gerson, Editor and Publisher

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PW Conference onCompuServe

Attention all CompuServe members who use Perfect Writer! Call the KUG Sig at PCS 25 at 10:00 p.m. Wednesday, October 9, for a conference. Edmund Blair Bolles will be there to answer technical questions on configs, patches, etc.

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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 60 PCS 25.

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