

June, 1988

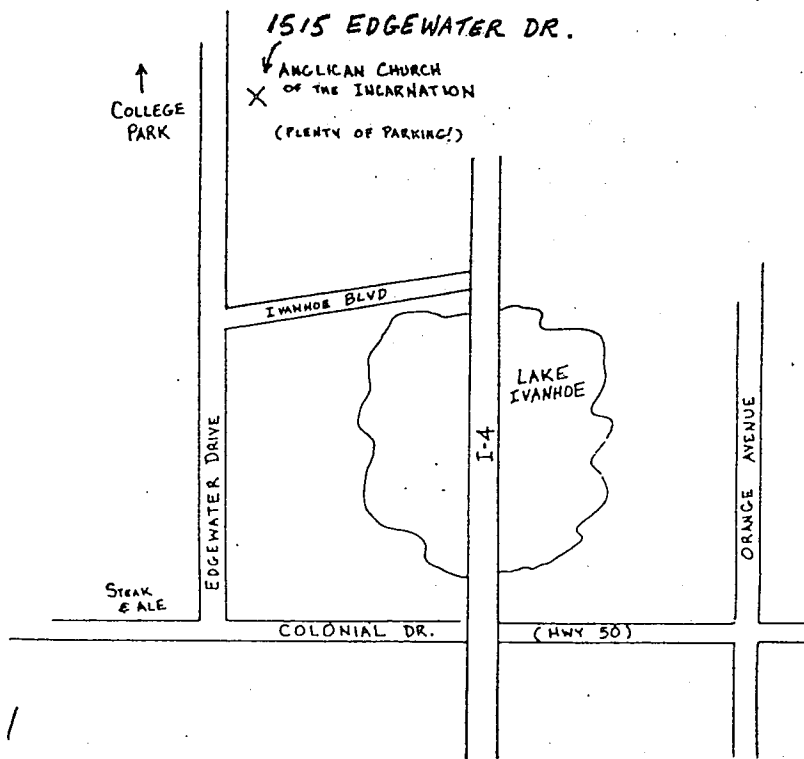
Dear Fellow ADAMite:

As we mentioned last month, June's meeting will be held in a new location. We hope to set up our new club ADAM here; we will be able to store it between meetings. We will also be allowed to serve coffee (as long as we replace it) and transfer money if need be. Remember that you still need to order in advance if you want something in particular, though.

There will be ample parking, which may be conducive to bringing things that would have been a hassle at the library. Still, how this will all work out remains to be seen; please come out and help us figure out how to set things up. As promised, here is John Terry's map of how to find the meeting place. If you need further help, call John or Francis at 380-1400. June's meeting is an important one (see announcements, next page.)

Sunday, June 12

1:30 P.M.



See you Sunday!

— Pat

ADAM LIVES!!

TWOFERS

Practical Programs has come up with a neat new marketing idea... starting this summer, they will be selling "doubles" of some of their programs. That is, when you purchase the program, you will get the same program written in Basic 2.0 FREE on the other side of a floppy datapack, or on a 2nd disk. If nothing else, this may increase the amount of programming done in BASIC 2.0. It was not easy to choose 2.0 over 1.0, and not cheap to buy both versions of a utility program. Hats off to Practical Programs for this one! Included in this offer will be their popular utility programs BASIC MANAGER, FASTRUN, MULTICART BACKUP, SUPER COPY PACKAGE, VERIBACK, MEMSWAP, and FLIPPY STARTER KIT... with release dates in June & July.

PRACTICAL PROGRAMS
PO Box 244
Kalamazoo, MI 49005-0244

TIPS & TRICKS

If you use your word processor, you are aware of the "Search" and "Replace" features. But some of you may not have thought of using them to make a long report easier to type, by using a symbol for a long word (or one which is difficult to spell) when it is used frequently in the text. Suppose you have a three-page paper in which the term "Pythagorean theorem" is used several times. You could substitute the symbol "pz" every time it occurs; then, when you are finished, go to the beginning of your document and have ADAM "Search" for "pz", then "Replace all" with the original term. (I chose the symbol "pz" because it's not likely to occur anywhere else in your text. If you chose "py", ADAM would stop at the words "happy" and "spy". If you have told it to replace all, you will end up with some strange-looking sentences.) Remember that SmartWriter will only search FORWARD, and that it will not go beyond an "end page" unless you manually move the cursor. This is also a great way to make those minor corrections you find after proofreading the first draft of a paper. And, you can write a form letter to "ZZ" and then replace every occurrence of "ZZ" with "Mr. Smith", or "Sue Ann." We mentioned once before that searching for "ZZZZ" is a terrific way to scroll quickly to the end of your file... much faster than using the arrows.

To stop a defective tape from spinning endlessly (usually the tape is improperly formatted and is searching for something that isn't there), just pull the CARTRIDGE reset switch (not computer reset.) If this doesn't work within a couple of seconds, do it again. It will stop the spinning tape. If, however, the tape doesn't move at all, and ADAM jumps to word processor, remove the tape and rewind it (gently) before you give up on it.

ADAM REPAIRS

A former Coleco employee is now doing repairs on ADAMs at a flat rate of \$50. He does not work on disk drives or moving parts. Contact:

Philip Kosowsky
8 Castillon Court
Clifton Park, NY 12065
(518) 371-7482

I strongly suggest you make a note of this.

DIGITAL EXPRESS NEWS

DEI now has a phone number... though they are requesting that we observe call-in hours for the time being: Mon & Wed, 7-9 PM; Thur 7-8 PM EST.

DEI (304) 465-1341

DEI has just released several software titles, including Chess Champ (64k required), Graphics & Music Ensemble... a collection of melodies with graphics; SEARCHsets 01 & 02, for use with the Mr.T-SEARCH program reviewed here last month; and SmartTALK, for use with speech synthesizer. Another program will be of special interest to those of you considering a color printer to take advantage of PowerPAINT graphics: SwiftPRINT has hi-res color graphics printing features for use with the Okimate 20. DEI is also still hard at work on GO-DOS and MegaSYSTEM-XR. New public domain releases include several volumes of paint aids, clip art & graphics enhancements for use with PowerPAINT; an astrology program; and a collection of patches for dot matrix printers, compiled by E&T's Ed Jenkins.

TELECOMMUNICATIONS

Compuserve subscribers are aware that there is new forum software, with lots of new commands. By now, we're also aware that there is a special forum set up for you to practice using the new software, at NO COST. If you haven't accessed the forum yet, you may be pleasantly surprised to find that it is very well thought-out, and contains a wealth of information on forum use, which you can download or 'capture' at NO COST, including very detailed descriptions of options and functions. There is a regular message base manned by sysops who will answer your questions. I am impressed by the whole concept. Remember, all time spent in the forum is FREE (except for any access charges.) Just type in "GO PRACTICE" at any prompt and see for yourself.

PLINK has made us an offer of a free trial session, to be used at a future meeting. We'll be discussing this further at the June meeting. Our new club ADAM is not equipped with a modem, but likely we can come up with a solution.

IMPORTANT ANNOUNCEMENTS:

- * June is the month to vote for MDAUG officers. Please come out and show your support in electing those who will represent you during the coming year.
- * June is also the month to pay your annual dues of \$12, if you have been with us since the beginning. (If not, your mailing label should tell you when your membership must be renewed.) Please remember that we cannot survive without dues.

BONUS! >>> 2-Block Directory <<< BONUS!

Recently, several of our members have mentioned that they would like to use 2-block directories with their short files (letters or whatever), but haven't had results with the poke we printed several issues ago. I tried it & didn't have any luck either, so I started researching the topic. I used a public domain program from Nibbles & Bits, and it works just fine. (MOAUG has this program, called EOS-INIT, on the public domain volume D21, contributed by Digital Express, publishers of Nibbles & Bits. There are also several other PD programs along these lines.)

To recap for those of you who joined us late: the advantage of a 2-block directory is that it will allow you more filenames. Sometimes you will get a "No more room" message on your medium even though you know you haven't used up all the blocks. That's usually because you have used more than 35 filenames. (Even if you have deleted some of them, the names are still in the directory.) By using a 2-block directory, you can have up to 74 filenames; a 3-block directory allows you up to 114 files! You can theoretically have directories up to 10 blocks long, but erratic results have been reported with anything larger than 3 blocks.

It's important to remember that increasing the size of the directory does not in any way increase the amount of storage space. You are limited to 255k for tapes and 160k for disks, regardless of the size of the directory. In fact your actual storage space is DECREASED by one block for each block you use in your directory; a normal formatted medium uses up two blocks (block #0 & block #1) with the standard format; but a 2-block directory uses the first 3 blocks, and so on. The sacrificed block is well worth it, though, if you have a lot of short files.

I've also been asked how you can access the second directory in SmartWriter. It turns out to be pretty simple... you just move your pointer in the directory to the bottom of the file card, and it gets the next page. (You will do this twice if you fill up a 2-block directory and want to see the last file.)

By the way, some of our members aren't aware that there is part of a second page in the SmartWriter directory, even with a standard formatted medium. If you have more than 30 files on your medium, some of them will be on another page. So, you'll need to move that pointer to the last file on the first page, then hit the down arrow once more to see those last few files.

Once you have initialized a medium to have a 2-block directory, you can avoid ever having to do so again, by using a block copy program to copy blocks 0-2 to a fresh medium as often as you like. This month's BONUS! will be a blank medium with a 2-block directory. You can use it as a template if you like. Or you can use the program on the next page to create your own. The hard part is typing it in... it's a SNAP to use. Or, you can purchase the PD volume which includes this program, all ready to roll. Decisions, decisions!

One word of caution: do not copy your BONUS! tape to disk, or vice versa. It won't hurt anything, but you'll have an incorrect "blocks left" message.

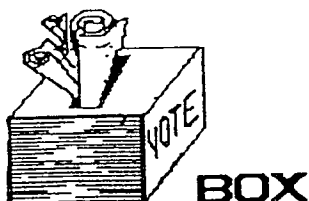
Thanks to Arnold Wagner, Alan Neeley, Tom Clary, and Solomon Swift for input.

EOS-INIT

The program listed below first appeared in Nibbles & Bits. It's a nifty little machine language program which allows you to initialize a tape or disk to a one, two, or three block directory. If typed in exactly as shown, it's very easy to use, prompting you for information and showing you the catalog when done to prove that the program worked correctly. You can use up to 11 characters to name your volume, including spaces and punctuation marks. Enjoy!!

```
10 REM machine code INIT
50 LOMEM : 34000: TEXT
100 DATA 62,8,1,1,0,17,255,0,33,223,107,205,189,252,201
110 FOR x = 27600 TO 27614: READ m1: POKE x, m1: NEXT
200 INVERSE: PRINT " machine code INIT": NORMAL
210 PRINT: PRINT " Please select: ": PRINT
220 PRINT " 1 = 'INIT medium": PRINT " 2 = abort program"
230 GET key$: IF key$ < "1" OR key$ > "2" GOTO 230
240 IF key$ = "1" GOTO 300
250 TEXT: PRINT " program terminated.": END
300 PRINT key$: PRINT: PRINT: PRINT " Which device?"
310 PRINT " 1 = tape one": PRINT " 2 = disk one"
320 GET key$: IF key$ < "1" OR key$ > "2" GOTO 320
330 IF key$ = "1" THEN dv% = 8: vo% = 255
340 IF key$ = "2" THEN dv% = 4: vo% = 160
400 PRINT key$: PRINT: PRINT: PRINT " What directory length (1-3)?"
410 GET key$: IF key$ < "1" OR key$ > "3" GOTO 410
420 di% = VAL(key$)
500 PRINT key$: PRINT: PRINT
510 PRINT " What name for the volume (any"
520 INPUT " eleven characters? "; vn$
530 PRINT: PRINT: PRINT " Really INIT (y OR n)?"
540 GET key$: IF key$ <> "y" AND key$ <> "Y" GOTO 250
550 POKE 27601, dv%: POKE 27603, di%: POKE 27606, vo%: PRINT
560 IF LEN(vn$) > 11 THEN vn$ = LEFT$(vn$, 11)
570 vn$ = vn$+CHR$(3): lv = LEN(vn$)
580 FOR x = 1 TO lv: POKE 27614+x, ASC(MID$(vn$, x, 1)): NEXT
600 CALL 27600: cd = PEEK(16821): PRINT: PRINT
610 POKE 16821, dv%: PRINT CHR$(4); " catalog"
620 POKE 16821, cd: END
```

THE BALLOT



SMARTFiler Review

by Rich Lefko

I've noticed in the past few months that there are quite a few new ADAM owners out there. Taking this in mind, I thought it might be helpful to review some of the older original COLECO software that is still available.

SMARTFiler, as the name implies, is a filer program which sets up and utilizes a database for information storage and retrieval. SF uses most of ADAM's keyboard, especially the SMARTKEYS. SF comes on the Digital Data Pack medium but can easily be copied to disk with any copy utility. After you purchase SF, load it and check the revision by holding down the control key and tapping the letter R. If it is less than 27D there are several user groups who can update it for you. If it is of a lesser revision it can be used with hardly any problems; the newer revision only needed to fix a couple of bugs.

The first thing you do with SF is create a form. This form is used to input information to your database, or retrieve it. A form is made up of "fields." Each field is made up of four attributes: the field name, type, length and whether it is "searchable" or not. Let me briefly describe each one of these.

Using my own 100+ video database file as an example, my first field name is Tape #. This is the default field and is always searchable. In other words I can sort and index all of my tapes by the number I input to this field, or I can find, say, tape #86 by searching for that number directly. The "type" can be either number or character, (or text, which I'll discuss later.) For this field, obviously, it would be number. The "length" I set is 5. This means I can type in up to 5 characters or numbers in this field. You can set any amount as long as all the fields add up to 255. Now this doesn't mean you can only have files that contain up to 255 characters because you can choose "text" for "type" and that field can hold up to two pages of text. SF allows one text field per form and up to four searchable fields, but they can't be any longer than 24 characters each.

The search functions are great! If I need to add something to tape #65, I ask SF to find it, and display it. At that point I can modify, delete, copy, or print it.

I have my records printed out and bound in a nice little booklet I keep on the coffee table for easy reference. I also have databases set up for my credit cards, valuables, and I've even set up one for the Lab personnel where I work. My wife and I are working on the companion program, Recipe Filer, (not included with SF), to organize her recipes. This program has added features to make and print grocery lists, and link recipes.

The number of records you can enter into a database depends on the length of your fields, but I have NOT been able to fill one up, yet. One of the few limitations to SF is you can only set up one database per Disk or DDP.

SMARTFiler at \$12.95 (DEI,SDP) is an exceptional value. You can index and search by character, number, or even a partial name. It will display an index and print it if you like. You can merge and print your records with letters created with SMART LETTERS & FORMS or extract SMARTWRITER files and integrate them with your records. SF comes with an excellent 38 page manual.

I highly recommend this program for all ADAM owners!

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Editor's Note: While they last, MOAUG has a few new copies of SmartFiler for only \$5.50. We will also update your older medium to version 27D (free on your media, or \$3 on club media; members only, please. Must have original sleeve or other proof of ownership.)

# PHRASE CRAZE!

Well, Jack Reedy of Reedy Software has done it again. His new game, Phrase Craze, is a sure winner for Wheel of Fortune fans (and who isn't?) This game plays just like the TV show. When it loads (it's self-booting, of course) you will be asked whether or not you are using a "Phrase Pak". You aren't, of course; and you'll so indicate. You will then be asked to select the number of players. You can play with up to three people. You will then enter the names of the players, and it's on with the show.

The first player will "spin" the wheel, to find out what a correct guess will be worth this round. Actually, in this game, the wheel is more like a roulette wheel; a ball rolls around the perimeter and stops randomly. The principle is the same, though. There are the usual spaces which will cause the player to lose a turn or to go bankrupt; this adds the element of chance that makes the game more exciting, even for players of mismatched abilities... allowing, for example, parents and school-age children to play together. Unless he hits one of these "hazard" spaces, each player continues to spin until he misses a letter or chooses to buy a vowel. He may, of course, choose to solve the puzzle at any time.

The graphics are simple but satisfying. A nice touch is that the letters you may choose are "highlighted" by a difference in font size; when a letter has been chosen, it appears smaller than the other letters. The same applies when you are choosing a vowel; all the consonants appear in the smaller size. The screen is nicely balanced with the puzzle itself, the letter bar, the wheel, score board, and the message area.

The puzzles themselves are not especially difficult, which also adds to the value of the game for family play. There is even a Hall of Fame to record high scores (and it can be cleared when you wish to start over.) The manual states that there are several hundred phrases stored on the medium, but someday you will find you have squeezed all of them out (maybe more than once, if you continue to recycle them.) When that happens, you will be able to purchase additional Phrase Paks at a reasonable price (\$7.95 disk, \$9.95 datapack.) There seems to be a trend toward games for which you may purchase additional modules, rather than letting the game collect dust when you have solved it. (Thank Goodness!)

"We Don't Just Sell Adam Software... We Create It."

Available for \$17.95 (disk) or \$19.95 (datapack) from:

**REEDY SOFTWARE**  
10085 60TH STREET, S.E.  
ALTO, MICHIGAN 49302

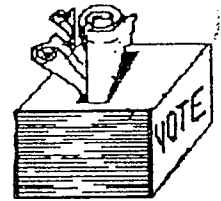
# NOAH SOFTWARE REVIEWS

File Manager Version 1.8

By Tony Morehen      Russell, Ontario      Canada

Reviewed by Ron Collins

President of the Northern Ohio Adam Hackers



Have you ever wanted ONE program to take care of all the menial tasks you have to do as a matter of routine? You know, the kind of things that using your computer DEMANDS if you are to use it at all. Things like making backup copies of your new software, or even more necessary...formatting your disks.

Wouldn't it be nice to have a utility program that allowed you to do a block or file copy as well as just a simple backup? While we're on the subject of files, just where did I leave that block editor program?

If you're at all like me, you need a different type of utility almost daily. I use the Orphanware format program to format my disks, Quickcopy to make backups of my software, rely on just about any block editor program to convince my programs that "yes, you are indeed running on a 720k disk!" The problem is that all these programs are floating around my work area on different disks! If that isn't bad enough, only some of them are easy enough to learn and use quickly. Most are limited in the features offered, and if you need a printout, you have to look for a printer driver program to let poor little ADAM know he has a dot matrix printer hooked up to him!

Enter Tony's File Manager. File Manager is the integrated sum of all my software utilities! The program is small, only 16k, but it is totally machine language. The disk or tape is self loading... just place it in ANY drive, pull the RESET, and in a very short time the title screen will be on your monitor. You are given 4 choices to get you started. You can work with your files, do media management, change your default parameters, and finally, decide whether or not to use your RAM disk.

To look at each possibility in turn, hitting SmartKey I lets you work with the catalog and file attributes on the default drive. This can be changed at any time to any of the valid drives. This will even let you read documentation files on your monitor or print them for a hardcopy without the need to go back to SmartWriter. For those with dot matrix printers, you can even tell File Manager what type of printer to use! This area will even let you install the special printer codes for your own system! The default will drive

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FILE MANAGER  
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most EPSON compatible printers or the ADAM SmartWriter printer. In addition to all this, the first option will even let you edit the file attributes on your disk. You can delete files by simply hitting the right SmartKey, drop down to it with your arrow keys and tell the program that the files is <Y>es, deleted. It's that easy! You can also change the size indicator to let some software know that you are on a bigger drive, etc.

The second area lets you do all the media-related chores. You can do a BACKUP of your software, telling File Manager which drives to use; you can KRUNCH your directory (remove deleted files from your disk); do a block copy using the FULL size of your RAM disk (when I load File Manager I am told that it will be using a 530k buffer!), and you can even (of course) format your disks (all disk sizes are supported.) Still not enough features? Well then, how about one of the the slickest block copy editors I've ever seen or used? Yes indeed, this too is part of File Manager!

The third area allows you to change the default parameters of the program itself. You can change the screen colors to just about any combination of dazzling colors! You can set up the default drives to use and what size they may be. Mine is set to copy from a double density (drive 2) and a quad density (drive 1). As always, any settings you need to change can be altered at anytime with little or no trouble. The whole thing is a treat to use. This is truly my idea of being "user friendly".

The fourth choice allows you to either use your full RAM capacity when doing a copy or backup, or to protect the RAM Disk from being overwritten. Much of today's software consists of what is known as "memory-resident" programming. The RAM disk will sometimes be used to store the programs, and doing a disk copy could easily over-write this programming. The fourth choice lets YOU decide if this should happen or not.

As you've no doubt guessed by now, I am hooked solidly on File Manager. I've been using the various upgrades for some timenow, and am convinced that this is the all time BEST utility program ever devised for the Adam. It does so much that the documentation manual (on the disk itself) will take up 21 pages!

Checking around, I've learned that Orphanware carries the latest revision (Tony keeps adding even more stuff to it!) and sells it at a very reasonable \$24.95. Of all the software titles available now, I consider this one to be a "MUST HAVE!" I run a disk copy service as part of NOAH. This requires me to sometimes format as many as 450 disks in a single month! Guess which program I use to format and copy these disks? You guessed it!... \* \* FILE MANAGER \* \*

---Ron Collins



# CPM CORNER

The following article by Thomas J. Keene is reprinted from IEAUG News (3/88):

## UNDERLINING TEXT IN CPM

There is a widely held misconception that it is impossible to underline text that has been written by the ADAM in CP/M. It doesn't matter if the source of the text was written in CP/M with one of the many word processor programs or if it was transferred to CP/M from an ADAM (EOS) SMARTWRITER file. Nothing could be FURTHER from the truth. I frequently type documents in CP/M using Eric Meyer's fabulous VDE26, and have no trouble whatsoever with underlining.

For many of you who have been using VDE26 already know, there is a terrific companion program, written by Ted Shapin of Orange, CA, known as RUN80 which enables you to format the text you have written with VDE26. RUN80 will enable you to set page lengths, margins, page numbering, headers, right hand justify (like a newspaper column) and also underline. It will let you underline a single word, a line or a paragraph or even an entire document. But so few people seem to be aware of this fantastic public domain program that works perfectly on the ADAM.

Even without RUN80 it is easy to underline a word or phrase in text that you are writing or even to go back and underline words in text that was previously written. And if that text was written in SMARTWRITER and then transferred to CP/M with ADAM.COM, you can still underline your selected words:

But what about words that you underlined in SMARTWRITER and the underlining disappeared from the CP/M version after transfer? Well actually nothing happened to them. If you disassemble a file that has been transferred from SMARTWRITER to CP/M, you will discover that the transferred file is intact, ---exactly as it was written in SMARTWRITER. I know some will find that hard to believe. Those who have had experience transferring EOS files to CP/M know that the CP/M version must be filtered before it has any value. The big reason for that is the lack of line feed commands after every carriage return. EOS has an internal provision that adds a line feed to every carriage return. When you hit a carriage return in EOS, it issues only the ASCII code (OD) for a carriage return. The internal provision adds the necessary line feed. The filter program, among many other things, adds an ASCII command for line feed (OA) at each carriage return (OD.) But the filter programs also remove all of the "control" characters. If you observe the FILTA.COM program in action, you will see that it tells you how many control characters that it deleted. SO????

Well to underline text, the ADAM SMARTWRITER uses an ASCII device control command to identify the start and stop of an underline. It issues a CONTROL-S to start underlining and a CONTROL-T to terminate underlining. Now the ASCII code for CONTROL-S is 13H. The ASCII code for CONTROL-T is 14H. Literally, ASCII code 13H is defined as Device Control 3 and ASCII code 14H is defined as Device Control 4. ADAM uses these particular Device Controls to control underlining. But as I said, the filter program strips these control characters and there goes your underlining! That's why it appears that CP/M won't underline text that was originally underlined.

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Underlining Text (cont'd from previous page)

CP/M CORNER

While I am about it, I might point out one reason why it is also necessary to filter CP/M text that is transferred to ADAM EOS: Remember the discussion above on the line feeds? Well a CP/M text will always have a line feed with each carriage return. So when you transfer a file from CP/M to EOS with the CPMADAM.COM file, it too transfers the file exactly as written. Thus when ADAM EOS sees a cx; it automatically issues a line feed, and then it responds to the next command in the sequence which is a line feed command (OA.) So ADAM adds another line feed. That's why an unfiltered transferred file looks like it has double line spacing. The extra line feed command (OA) must be removed by a filter program.

So how do we cause a word to be underlined in CP/M? First, a word about the source of the text. If it is a file that was transferred from EOS to CP/M, I advise that you go ahead and filter it and clean it up, before doing anything else. After that we can treat it the same as a file that originated in CP/M with a word processing program. The simple trick to get an underline is to command the printer to back up and then type in the underline. After all, that is exactly what SMARTWRITER does. The CP/M backup command is the same ASCII code that EOS uses. It is Control-H or ASCII code 08H. And the underline ASCII code is 5FH. So after each word we must provide the same number of backspaces and underlines as there are characters in the word itself. If we want to underline the word "text", we must immediately follow the word "text" with four ASCII characters 08H and four ASCII characters 5F. How?

The room for these eight characters doesn't exist; so we must insert the characters right after the word "text". There are a lot of ways this can be done, but I recommend the following procedure:

Use VDE26.COM to insert the appropriate ASCII codes, 08H (which is CONTROL-H) and 5FH. This is a fairly routine VDE26 operation but I will briefly review the commands. The backspace code (08H) cannot be simply typed in, because it would cause the cursor to backspace and not enter it as text. VDE26 has a provision for entering control characters into the text by use of the CONTROL-P command. To enter a contro character such as CONTROL-H (08H), you first type CONTROL-P then CONTROL-H. Thus the CONTROL-H will be entered the same as if it was a standard character. In the example of underlining the word "text"; immediately after the word "text" hit a CONTROL-V (the insert command in VDE26) then hit CONTROL-P and CONTROL-H four times. Finally hit CONTROL-V again to stop the insert action. You can hold down the CONTROL KEY while simultaneously hitting v p h p h p h p h and then release the key and enter four uppercase sixes. Then hit CONTROL-V again. It is so very easy, that you should have very few problems mastering the technique.

For original typing, I like to use RUN80 because of its overall features which make a great looking text. And with RUN80, underlining is a breeze.

Thomas J. Keene  
IEAUG March, 1988

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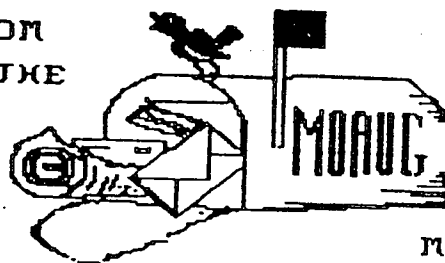
Editor's Note: The above article was slightly edited to alter references made to the author's use of VDE26 and RUN80 in the preparation of this article. I had to retype the article due to faint reproduction, and I used SmartWriter to do so, making the references inappropriate for the present version. Thanks to Inland Empire ADAM Users' Group for their reciprocal reprint priveleges.

Many of you are asking about the specifics of certain programs. This reminds me that it's been awhile since we discussed documentation. There are two kinds of documentation. By now most of you are familiar with the first type, which is separate doc files accessible via the word processor. You access these by printing any file labeled "READ ME, DOC, or HELP", or any variation thereof. But we don't often stress the second type... INTERNAL documentation. Many programmers follow the admirable habit of adding REM statements to their programs, which can be read when you LIST the program. The purpose of the REM statement is to clarify certain segments of the program. You can learn a lot about many PD programs by simply LISTing the program and then studying the REM statements. Give it a try next time you are trying to analyze a program which doesn't come with a separate DOC file.

Our PD Library continues to grow. Our catalog is not progressing, however, as I simply cannot find time to process the new volumes we receive. We ARE getting some VERY nice stuff. This month we owe a special vote thanks to Arnold Wagner for his LOGO experiments and other files; to Dave McIntosh and Rich Lefko for graphics files; and to Jim Clement of LAUGH (Loyal ADAM Users of the Greater Horseshoe... a Canadian group) for Volume One of the LAUGH archives, as well as some documentation files he has typed up as a service to new users who do not have original copies of the standard manuals. We owe all of them even more thanks for such intangibles as support and encouragement... which are, in the long run, the most valuable of all contributions. I owe every one of these folks letters. And that's the real reason I haven't gotten to the cataloging... it takes a back seat, as far as I'm concerned, to catching up with the correspondence and returning said support, encouragement and general good will. I almost caught up one day last month.....

Arnold Wagner has also sent us a list of ADAM bulletin board systems, to supplement the short list we printed last month. (Alan Neeley is also working on a list. The more the merrier, sí?) Arnold notes that the list shown here has a particularly good feature in that it has a "Post Date" for each board, so we can know when it's beginning to get a little out-of-date. He downloaded this list from the Seattle board we mentioned last month.

FROM
THE



MAILBOX

More ADAM Bulletin Boards

Name : LAS VEGAS ADAMLINK
Hours : 24 HOURS (300 BAUD)
Phone : (702)/873-8056
Posted : Wed Jan 13, 1987 3:27AM

Name : TONY'S CORNER
Hours : 24HRS 300/1200/2400
Phone : 313-754-1131
Posted : Wed Jan 14, 1987 6:03 AM

Name : WINDOVER IN SEARCH O
Hours : 24HRS.
Phone : (615) 344-2163
Posted : Mon Feb 29, 1988 7:02 AM

Name : ORPHANWARE
Hours : 24HRS
Phone : 216-882-4720
Posted : Mon Feb 29, 1988 7:02 AM

Name : ** THE GATE **
Hours : 9 PM TO 9 AM 7DYS
Phone : (314) 358-2711
Posted : Fri Mar 18, 1988 6:03 PM

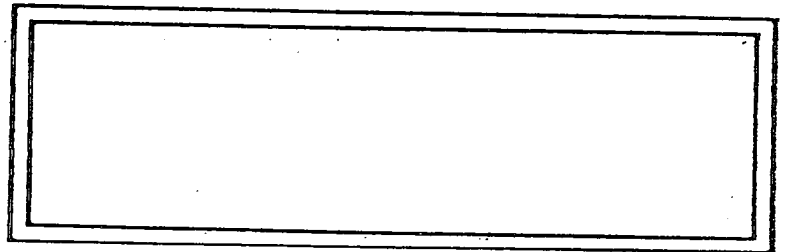
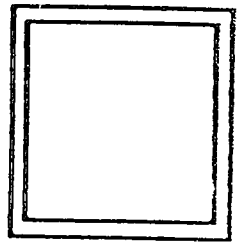
Name : CLEVE FREE-NET
Hours : 24HRS 200/1200/2400
Phone : 216/368-3888
Posted : Fri Apr 1, 1988 10:24 PM

Name : THE TRADING POST BBS
Hours : 11PM TO 7AM DAILY
Phone : 216/231-8813 300 BA
Posted : Sat Apr 16, 1988 9:41 PM

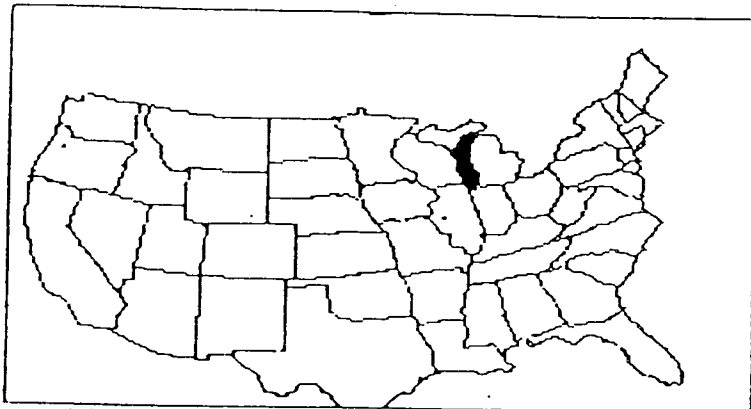
Name : THE TRADING POST BBS
Hours : 24HRS 300/1200 5/18
Phone : (216)/791-4022
Posted : Tue May 10, 1988 10:32 PM



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all across the USA...



and then some!

**ADAM
LIVES!**