

M.O.A.U.G NEWSLETTER

(A Publication of the Metro Orlando ADAM User's Group)

Metro Orlando ADAM User's Group

May 1988



**ADAM
Lives!**

May 1988

Dear Fellow ADAMite,

This month's meeting will be held on Sunday, May 8, at 1:30 P.M. We will meet, as usual, on the third floor of the Orlando Public Library. Please note, however, that this is the last time we will be meeting at the library. We are going to try something new. President John Terry has secured permission for us to meet at the Anglican church his family attends, starting in June. The library has been a good home to us, and we may return yet; but for now, we seem to need a place where we can store a computer...and perhaps other items...between meetings. We can also transfer funds at the church when necessary, although we will still have the order in advance policy, due to the number of items we have in stock. John & Francis have promised us a map, to be published next month. If you want more information prior to next month's newsletter, feel free to contact them at home (see last month's member directory for phone number.)

We still haven't decided on this month's BONUS! We were going to give away the volume we received from St. Louis AUG, detailing the contents of the files available to be downloaded from the ADAMmania and ADAM CP/M libraries on Compuserve. However, it appears that the files will need to be broken down into smaller units in order to be accessed by members who do not have 64k cards, I've started the project but am not sure it will be completed. If not, there will be an alternate BONUS! This is really a good one, though, even if you don't have a modem, you'll be interested in what's available...and others can help you get whatever you find especially appealing.

We will have all the current newsletters for you to look through, including two new ones: The United Kingdom ADAM Subscribers' Journal, from Great Britain, and the brand new VIDEOGAMING AND COMPUTER NEWS. We will also have the latest issues of several catalogs, including E&T and Reedy Software, to browse through, and we will have free copies of Mr. T Software's catalog to give away.

So, as they say on TV...COME ON DOWN!!!!

See You Sunday!

Pat

ADAMLIVES!!

LOCAL NEWS

Of all the articles I've written for the newsletter, this is the saddest. Due to circumstances beyond his control, Ric Stilfield, our CP/M librarian, has to sell his system. Although he is still willing to help us as much as he is able, it is just not practical for him to try to run the CP/M library without an ADAM. We are certainly going to miss his cheery helpfulness and enthusiasm. At the April meeting, we voted to buy one of his computers to have one on hand for meetings. We also voted to allow him to buy it back from us if he wants to do so in the future. Ric still has the following items for sale:

2 ADAM consoles w/keyboards & hand controllers \$110 each.

1 ADAM printer w/tractor feed, legs & front on/off switch \$100.

5 1/4" single side disk drive \$190.

80 column CVU (Orphanware) \$200.

512k memory expander \$200 (w/ramdisk & PIA2 & Panasonic custom software).

1200 baud Avatex modem \$150 (w / i n t e r f a c e & software).

Address book/Autodialer \$15.

Pair Super Action controllers \$35 pr (w/ Baseball).

...PLUS a wide range of software. Some prices may be negotiable. Check with Ric at (407) 254-5227 or write:

Ric Stilfield

705 McDermott Ave.

Melbourne, FL 32935

NETWORK NEWS

The best news of the month for the ADAM network: Computer Shopper will soon be running a column just for ADAM owners. The columnist will be Paul Pappas, of the Triangle Area ADAM Users' Group in North Carolina. Perhaps this will help fill the gap vacated by Family Computing when they dropped ADAM coverage, both by providing a national link to solitary ADAM owners, and by giving our loyal vendors a new marketplace. Locally, Computer Shopper can be found on magazine racks in drugstores and supermarkets. Even without the column, it was worth browsing through.

Amil Dillinger's bimonthly newsletter, HIGHLIGHTS, has been revamped. It now goes by the name VIDEOGAMING AND COMPUTER NEWS,

and is published by M.A.D. Enterprises.

Amil's capable hand is still visible, though. The new publication will be of particular interest to those of you who are most interested in the gaming aspect of your ADAM, and it will be indispensable for those who have more than one game system. The magazine is slick and professional looking, and contains about 50% ADAM news...the remainder of the 52 pages is concerned with other computers, particularly game systems. Subscriptions are \$23.70 annually (6 issues.) M.A.D. Enterprises, P.O. BOX 2484, Joplin, MO 64803.

Norman Castro offers past issues of the OAUC (Omaha ADAM Users' Club) newsletter for special prices, you can get any 6 issues (one year's worth) for only \$4.25, or two years' worth for \$8. Current subscriptions are \$5 per year. The OAUC newsletter is condensed, but jam packed with items gleaned from all over the country. Also has instructions for ADAM, Atari & Nintendo games - 8809 W. 33rd Ave. Bellevue, NE 68005

ADAMABUSE? **by RICHLEFKO**

It's been a long day. The outside vendors aren't going to deliver those parts on time, production schedules are running late. Quality won't pass the circuit boards because they are shaped like Canada geese (they're supposed to look like Xmas trees), and everyone is pointing at someone else! Sound familiar?

I drive home in rush hour traffic and get cut off by an old Chevy van with a surfboard on the roof driven by someone with orange and blue spiked hair who "gestures" to me in an unappreciated manner.

I walk in the front door, a beaten man. My wife greets me with a cheerful smile, gives me a big hug and a kiss, and sensing my demeanor, suggests I go spend some time with ADAM to relax and unwind. I weakly nod my head and head off to the den.

I figure an action arcade type game will take my mind off work and act as a great stress reliever. So I take out my Super Sub Roc disk, load it in the drive and pull the reset. The light goes on and as I sink back in my chair waiting for the game to load my mind wanders off. I figure I'll consider all space borne alien vehicles outside vendors to be destroyed, and all the submarines

will be Quality people, hopefully suffering the same fate! Time passes and as I stop daydreaming I begin to realize that I'm STILL waiting for the program to load from the disk! The drive is running, the light is on but nothing is happening! Then the realization strikes me - something is wrong! So I open up the door, pull the Sub Roc disk, and load another. Terror grips my heart as nothing happens, again! After several attempts to read and write to that drive in BASIC and SMARTWriter, I realize that my drive won't do ANYTHING! So I load Sub Roc into disk drive two and pull the reset and, with some trepidation, wait for something to happen. A short while later, with a sigh of relief, I am greeted by the entrance screen. As I begin to analyze the situation little beads of sweat begin to form on my forehead as I realize the problem isn't in the CPU or the printer, which I could take to Honeywell, but in the disk drive itself, that NO ONE repairs! (Or so I thought.)

As total frustration wells up inside of me, I suddenly have the overwhelming urge to rip out one of my desk drawers and begin beating the offending disk drive into submission! As I fight off the urge, I remember a story I read in a local newspaper about a law firm secretary who lost control of her senses and physically attacked her computer work station. Some 30 co-workers cheered enthusiastically as she demolished the terminal with a small hammer which she had evidently smuggled into the office hidden in a coffee cake. I recall the article ending something like, "the suspect was taken to County General for psychiatric testing, while the victim was taken to a Dempsey dumpster."

Not wishing to abuse my ADAM and have the same fate befall me, I called Compuserve and eventually found out that there IS someone out there who repairs disk drives. Specifically, the Orphanware Service Center, which is manned by a very nice fellow named Thom Andree. The address is 5641 Leibold Drive, Huber Heights, Ohio 45424. After contacting Mr. Andree, he suggested I ship my drive via the U.S. Post Office, with the drive door shut, instead of UPS. (They have a tendency to toss things.)

So a few days later I unplugged my drive and shipped it out, blissfully happy in the fact that I didn't destroy it.

Less than two weeks later I was unpacking the box it came back in and as it turned out all it needed was a tune up!

So remember, if you find yourself giving your ADAM

an innocent nudge or bump as you walk by, find yourself spilling coffee on the keyboard (several times a day), or extinguishing cigarettes in the disk drives, especially if you don't smoke, then you are an ADAM ABUSER and should immediately seek professional help!

Now, was it the vendors who were going to be the space borne aliens...??

REVIEW:

Mr. T-Search

Judging by the racks of magazines at the newsstand, there are a whole lot of folks who enjoy word search puzzles. Now there is a package available from Mr. T Software which allows you to design your own. You may have seen public domain programs for this sort of thing. Believe me, there is no comparison!

The first test of a word search puzzle is how well the words are integrated into the grid, and particularly how well they interlock with other words (that is, use some of the same letters.) The PD programs I've seen simply insert the words into the grid and fill in the grid. A first grader could do the same. So, that's the first thing I checked. MR.T SEARCH is quite good about interlocking new words with previous entries, and turns out good quality puzzles. But YOU be the judge... you'll find an example elsewhere in this issue. The puzzle is EXACTLY as printed by the program.

This kind of sophistication takes time to implement, though. The larger and more complicated the puzzle, the longer it will take to sort through the possibilities and return the best position for each word as it's entered. You may find it slow, but superior quality is worth the time spent.

MR. T SEARCH is designed to be used with either the standard ADAM printer or a dot matrix; no special patches are necessary. It will design puzzles in six different sizes (the one printed here is the next to largest size.) The largest size cannot be seen on screen. You can choose to view your puzzle as it's being built, or can skip that option if you want to be surprised. If you aren't going to solve it yourself, you will turn out a better puzzle by viewing it as you go. You may see new possibilities you'd otherwise miss.

Sometimes MR T SEARCH can't find a place to enter the requested word. It seems to have a blind spot about

the very edges, when the edges are completely blank. This blind spot disappears as the puzzle progresses, but meanwhile the program asks you if you'd like to try yourself.

The program uses a 40 column screen, and is attractive in a stream-lined way. Menu options are chosen with SmartKeys, and the program plays little tunes whenever it is involved in a task such as sorting or loading. It keeps track of free RAM on screen, and also has an on screen timer.

Options are available for printing, saving or loading the game with the wordlist, or separately. You can also play games on the screen. You simply press the space bar to scroll through the word list, and place the cursor on the beginning & ending positions of each word, which will then show inverse. Included with MR.T SEARCH are 16 ready made puzzles, with 11 word lists.

I think that MR. T SEARCH is an exceptional value at only \$13. I see applications for teachers, newsletter contributors, and even greeting cards. (A person would have to feel pretty special to receive a puzzle made up of words that all related to himself.) Best of all, if you have a friend who also has the program, you can easily make volumes of puzzles to trade. There is already one volume of 39 extra games and wordlists, available from MR. T for \$10. **PJH**

MR.T SOFTWARE
7316 Northway Drive
Hanover Park, IL 60133
(312) 830-2785

- SPECIFY DISK OR DATAPACK -
- ADD \$2.00 SHIPPING -

“WHERE NO MAN HAS GONE BEFORE” A Review of BEYOND TREK by Rick Covell

Before purchasing this game, please understand two things. First of all it requires at least a 64K card. Second, it is not a graphics game. Although there are graphics shown, there is very little movement. It is more of a text adventure with added graphics. Digital Express (who released it) describes Beyond Trek as an “intellectual adventure”.

It takes close to ten minutes to load from data pack, yet in that time some interesting graphics and music are shown. All instructions are given on screen (although a



more thorough explanation can be accessed via SmartWriter before loading the game). Instructions are input via the keypad on the #1 game controller with prompts at the bottom of the screen.

When the game begins you see the view screen that Capt. Kirk sees. On it, in your quadrant, are a starbase and 2 to 5 Klingon ships (based on the difficulty level). There are 3 other quadrants which cannot be seen until you hyperspace to them. Your job is to save the starbases and destroy the Klingons in all 4 quadrants before you or all the starbases are destroyed. You have four basic options: status report, fire weapons, maneuver and cloak or repairs. After you choose from 1 to 3 of the options the Klingons will attack you or the starbases (or both). Within the four basic options are several other options. For example, if you choose to "Fire Weapons" you are then presented with the choice of phasers, front or rear photon torpedoes, plasma bolt, anti-matter bombs or even self destruction. Some other interesting options are hyperspace; change warp speeds from 1 to 8; check the status of the Klingon ships, the Enterprise or the starbases; use the cloaking device; or others. There is even a Hall of Fame for the top 10 scores.

All in all this is an easy game to learn (no complicated manuals), just load it and begin playing. The graphics are well done (but remember, this is more of an adventure game than a graphics game). Available through Digital Express for \$19.95 (or to subscribers of Nibbles & Bits, \$14.95) it is a good value. True Trek fans will agree with me that on a scale of 1 to 10, this rates a 9+!

DIGITALEXPRESS
P.O. Box 37
Oak Hill, VW 25901

ADAMLIVES!! Mr.TSEARCH word search puzzle

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P P N O I T A C I N U M M O C E L E T U B I R T T A
O U E E P U K C A B O O T O M S H A R D W A R E L T
R B W W S A V E M L B I N C R E M E N T A Q S O L K
T L S B O A O P I H C S T U A R D A D X R C R I A C
R I L A F R B Y T E Y U O A O A H I R E S E T J C O
O C E E T Y D A V S C E L F T S I L T T S K S I D L
S D T X W T O P T P S E P A T N M N J U K I Y N V B
R O T P A I D E R A B M P R T N E N O P X E S I I E
U M E A R L M I R O D A I E U E M M E M K T Y T M Y
C A R N E I N E G E C N G R R V A E U O A E F I R A
A I N S E T T O Q K G E B O S N K D P C C L O A D L
D N O I T U L O S E R L S T U P N I K P O E N L I R
A H T O R I G R A P H I C S L G U A O M B D T I G E
M S Y N T A X H S A L F F E O G F M E D O M E Z I V
F I N V E R S E T I R P S R Y R O M E M L I N E T O
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ADAMLIVES!! FIND THE FOLLOWING WORDS

ACTIVE	ADAM	ATTRIBUTE	BACKUP
BASIC	BBS	BIT	BLOCK
BOOT	BRUN	BYTE	CALCULATE
CALL	CHIP	COBOL	CODE
COMPUTE	CPM	CURSOR	DATABASE
DATAPACK	DELETE	DEMO	DIGIT
DISK	DOCUMENTATION	EDIT	ERASE
EXIT	EXPANSION	EXPONENT	FILENAME
FLASH	FONT	FORMAT	GRAPHICS
HARDWARE	HIMEM	HIRES	INCREMENT
INITIALIZE	INPUT	INSERT	INSET
INTEGER	INVERSE	LINE	LIST
LOAD	LOGO	LOMEM	LORES
MEDIA	MEMORY	MOAUG	MODEM
NEWSLETTER	OVERLAY	PEEK	PLOT
POKE	PORT	PRINT	PUBLICDOMAIN
RAM	RANDOM	REENTER	REM
RESET	RESOLUTION	RESTORE	RETURN
ROM	RUN	SAVE	SMARTKEY
SOFTWARE	SORT	SPRITE	STACK
STORE	STRING	SYNTAX	SYSTEM
TELECOMMUNICATION		TEXT	USER
UTILITY	WORDPROCESSOR		

INTERVIEW WITH BIG JOHN

Patricia J. Herrington

PLEASE NOTE: "Big John" Lingrel is the man behind ORPHANWARE, the largest developer of ADAM hardware. The following interview is paraphrased from a telephone conversation. I hope memory serves, because I did NOT take notes. BJ knows how to find me, though, and will surely set us straight if I slip up!

BJ: How can I help you? And no, you CAN'T have Ron Collins. I need him.

PJ: RATS! I was hoping you could at least clone him. He's priceless!

BJ: He certainly is. So forget it.

PJ: Oh, well, okay. Next question: Are you familiar with a PD program Called SPEEDCHECK, for checking data drive speed?

BJ: Yes, I am. I use it sometimes, but I don't think it should be used by the average person without a working knowledge of the mechanics involved.

RJ: I see. Well, if a person has a problem with a data drive even after cleaning the drive, who could fix it?

BJ: Not ME! But Thom Andree (of the Orphanware Service Center) can do it. I don't know how much he charges, and that could be a problem. People who bought their drives for virtually nothing may not be willing to pay for having them repaired or tuned up, if it costs more than they paid for the drive to begin with. I paid \$99 for the first tape drive I bought, and you can buy them now for around \$12.

PJ: Yes, it's hard for people to see that the drive is worth \$99, when we are used to liquidation prices. But when the present stock of drives dries up, there's just no way any more could be produced for such low prices.

BJ: Well, here's your chance to tell them! Just because they bought them at closeout prices doesn't mean they aren't valuable, and worth caring for.

PJ: Thanks, you just told them! BJ, I remember about a year ago you said that you were perfectly capable of building a hard drive for ADAM, but that the cost would be prohibitive.

BJ: Yes, that still holds true. I'll build it, but it just isn't worth the cost. Tell them they'd be better off buying a clone. (I sell clones, too.)

PJ: Good. I'll take a clone of Ron.

BJ: Eat your heart out! Ron has the second largest ADAM system in the world, by the way.

PJ: We know! He's done some articles about it for MOAUG. BJ, I've been very concerned about the vanishing 64k memory expanders. So many people who don't yet have them will be wanting to buy them later, and nobody is making them any more. Eve Electronics seems to be out of business, and I hear that Spectrum Electronics of Canada has also stopped making cards. And you stopped, too, right? What will we do?

BJ: Well...I DID say that. But, as of right now, M.W. Ruth has 200 of my 64k expanders, and I have 40 in stock. In fact, I have a sale on them right now, for anyone who accesses my BBS. Don't worry, I won't let

them dry up.

PJ: Well, THAT'S a relief!!

BJ: For everybody's sake, though, I hope the price of chips stops soaring. I can build all the memory expanders you want, any size you want, but the cost of chips determines the price.

PJ: Well, we're all hoping it levels off! Speaking of the "big boards", is it true that you now only produce the 512k board as a special order, after interviewing the person who wants to buy it? What's the reason?

BJ: I just want to make sure that the buyer understands what he's getting. There is a problem with the ADAMLink internal modem...sometimes it works, all right with the 512k, but usually it's better to use an external modem. The problem is not with the board, but with some ADAMLink modems. Not all of them, though, Alan Neeley runs his ADAMLINK BBS in Utah with the internal modem...and HE has a 512k board.

PJ: I should know that, but I didn't. Well...I sort of have a chance to buy a 512k expander from a friend, but I'm a little bit afraid of it...

BJ: Oh, you'll do fine. All it takes is a little common sense.

PJ: Well, that's reassuring. And the other thing that's reassuring is your reputation for standing behind your products.

BJ: Did you notice my new warranty?

PJ: I sure did. Three years right?

BJ: Yes, and that's retroactive to include merchandise already purchased. In other words, if someone bought a memory expander from me a year ago, he automatically gets a two year warranty extension.

PJ: Of course, some people seemed to think there was never any limit on how long after the sale you would offer your help and advice.

BJ: Well, now you're giving me a big head! But, yes, my customers are a pretty loyal bunch. I'm limited by circumstances as to how little I can afford to charge, but I can give my customers the best support and service ANYWHERE. And now and then I try to surprise them

by practically GIVING things away, by way of the Moonlight Madness specials on my BBS.

PJ: I can't believe you are selling double sided disk drives for the same price most people charge for single sided drives! Unfortunately that special will be gone by the time this newsletter reaches its readers.

BJ: True, but next weekend there will be another special or three. You'll never know unless you call the BBS from time to time.

PJ: I can vouch for that. I can't afford to call a lot, but everytime I do, there are some incredible offers. What else have you been up to? I just can't keep track of you!

BJ: Well, for one thing, I'm just finishing up my clock/calendar. I've got a working prototype, and I'm VERY pleased with it. Since I installed it a few weeks ago, it hasn't lost half a second. Solomon Swift of Digital Express is working on software which incorporates the clock/calendar...I think the time will be continuously displayed on the screen.

PJ: That's another one I can't keep track of! I could keep two people busy full time just trying to cover the two of you. Don't you and Doctor Swift ever need SLEEP, or anything?

BJ: Nope! Seriously, though, Sol Swift is one of the people who are going to make a BIG difference to the ADAM owner. He is on the verge of releasing his new enhanced operating system, GODOS, with icons and pull down menus, and the whole bit. It is going to have a TREMENDOUS impact, particularly on the non-CP/M user. I tell you, this is going to be an exciting summer for Little Orphan ADAM.

PJ: Well, we'll try to keep up! But some of us need to catch a little nap every so often...One last question: Do you foresee ever being able to go into the hardware business full time?

BJ: And quit working a regular job? Not a chance. I will continue to work at it as long as I'm needed, but not full time. It's not as lucrative as some people would like to believe. I enjoy it, though...and one of the best things about it is getting to know so many interesting people.

PJ: Hey, that's what I like best about doing a newsletter, too!

BJ: Well, better get back to work...

PJ: Me, too. Sure you can't send us a Collins Clone?

BJ: Nice talking to you, PJ.

CPM CORNER

In the absence of a CP/M librarian, we will be printing CP/M information from other sources. This month's column consists of messages culled from Compuserve, both from the forums & from private messages to your friendly neighborhood newsletter editor. We are concentrating here on sources...Most commercial software must be converted to ADAM format. Luckily, there has been a small boom in the number of people who do such conversions...including, recently, Orphanware's Ron Collins. Sysop Rob Friedman is always on the lookout for new PD-programs, as evidenced by some attractive new freebies. As always, thanks to Ray Dougherty for monitoring Compuserve messages...

Ronald Collins [73717,434]

We just finished 3 big projects. First, a fellow ADAM owner named Edith Berry sent us a Geneology program called Personal Ancestral File. This is the finest such program I have seen, and is advertised as NON-ADAM compatible CP/M. She had previously sent the 4 disks to another outfit for conversion to CP/M, but even after conversion, the program wouldn't run! Well, after I spent 40 hours working on it, IT WORKS!! Unfortunately, it will only work with 80 columns. Second, I just figured out a way to convert those popular MS-DOS text adventure INFOCOM games to the ADAM CP/M system. And they work GREAT! Third, I got the latest revision to the ORPHANWARE BBS program, and Big John is giving it away (that's spelled F R E E) to anyone with enough hardware to run it. You need 1200 baud modem, a couple of disk drives, and preferably an 80 CVU; but I can set it up to run on 6 disk drives & both data drives & large memory expander if you want to go that far. Last but not least, BJ is almost finished with the clock card, and he has decided to go STRICTLY RETAIL, which means lower prices for all of us!

Sysop Rob Friedman:

I'm in the process of writing an article on the different CP/M downloading programs available for ADAM. For ADAMs with internal modems, we now have Madam7, MEX114 (in original display), and a very fine program called Adamex with Smartkey driven

menus and set up for non 80 column displays. For those with external modems, we have IMP245, MEX114, Kermit, Csexec...and all of the above is free! For all of you using CP/M and getting a bit bewildered, try Adamex from DL10: It's VERY user friendly, and also use the help file...and a disk drive.

Now, if you request it, I'm sending Adamex as one of the modem programs with my Mex/madam 7 package. (Editor's note: Both Rob Friedman, the ADAM CP/M sysop, and Tim Nunes, the ADAMania sysop, offer free telecommunications software to those who need it...on YOUR media.)

You are all invited to check out the latest VDE file version 263. It's really super! And only 13k long. It's a full screen/split window/memory buffered screen editor. Check out DL10: The version here I've already installed for ADAM and it will display on the standard ADAM screen (though it will require sideways scrolling.) I've also already installed a fix that Eric Meyer found (he's the author.) Enjoy it! You're welcome to reinstall it to any options you wish.

For those of you who don't yet have CP/M, Coleco has had it for only \$16.99. Try calling (518) 843-4390, and ask for Sandy Foley. She's one of the customer service people, nice & friendly. Tell her you saw the message on CIS, posted by me. We're trying to get Coleco to acknowledge that ADAM is still viable.

Charlie Eddlemon [76317,5241]:

If anyone is looking for an excellent 'C' compiler that supports the full K&R standard, not just a subset like the one in DL10, they can get one from the following company for the unbelievable price of \$19.95:

MIX SOFTWARE
1132 Commerce Drive
Richardson, TX 75081
Orders: (800) 523-9520

Tech Line: (214) 783-6001. They don't have it on ADAM CP/M format, but they do have it for Zenith 100SSDD format, & I have a conversion program for this format. The package contains a 434 page book, and 3 disks with all the programs, utilities, and tools needed to perform 'C' compilations. I like to think of myself as average in the learning department, and even I wrote a (simple) program in 'C' the first night I got it: In my opinion, this is one of the BEST language bargains for the ADAM computer. Just 3 months ago, this same

compiler was advertised in Computer Shopper for \$39.95.

John Villilo [75766,1145]:

To those interested in good graphics programs...I received my copy of the new CP/M version of PrintMaster Plus...and will be sending it to Ron Collins at Orphanware for conversion to ADAM format (I requested Kaypro format). This Unison World Product is available through Unibrite International Publishing in California at (800) 223-5537. When you dial this number, you will get a tone and should then dial 299172 to order or get more information: The cost is \$49.95 and will allow you to print high resolution banners, greeting cards, posters, invitations, calendars, stationary, flyers, and logos. The CP/M version works best with 2 disk drives and the 80 column board.

(Editor's note: PrintMaster does, indeed, print fine looking graphics. Ron Collins can convert PrintMaster to work on the regular ADAM screen, and may be able to do the same with PrintMaster Plus.)

**Sysop/Rob 'ADAM' 73267,742
(Rob Friedman, CPM forum)**

... Just received the Spite Software catalog. It has some nice stuff in there for CP/M. As I've been telling you, the software is out there if you look for it. I recommend and have bought from the following CP/M distributors:

ELLIAMASSOCIATES
PO Box 6922
Los Osos, CA 93412
PH: (805) 528-5871

... The full SIG PD selection along with commercial CP/M programs: Both Tim and I have been dealing with Bill Roach for a few years and have nothing but good things to say. Supplies in ADAM format disk.

WORKMAN & ASSOCIATES
1925 E. Mountain St.
Pasadena, CA 91104
PH: (818) 791 7979

...FTL Modula 2, WRITE word processor, and a lot of other serious software. Supplies in ADAM format.

ECHELON INC.
P.O. BOX 705001
South Lake Tahoe, CA 95705

...Suppliers of ZCPR3.3 <4> and Turbo Modula 2. Supports CP/M almost religiously. (See their Z system) Supplies in ADAM readable disk (TI PRO/IBM CP/M 86.)

Also see:

CENTRAL COMPUTER PRODUCTS

300 Central Avenue

Fillmore, CA 93015

PH: (805) 524 4189

...Lots of CPM software of various types; will probably supply in ADAM readable format.

SPITE SOFTWARE

4004 SW Barbur Blvd.

Portland, OR 97201

Orders: (800) 223-7911

Tech: (503) 228 8223

...Similar to Central. CP/M software; will probably supply in ADAM readable format.

And then there are various direct manufacturers like MicroPro for WordStar 4, SLR Systems for the SLR Mac assemblers, and such. Also I've bought from MIX SOFTWARE, the MIX C compiler. But check if they are still supplying the CP/M version.

THE CARE AND FEEDING OF DIGITAL DATA DRIVES

by **MOAUG President John Terry**

The Digital Data Drive (tape drive) that came with the ADAM is your prime means of communication with your computer. Almost all of your software is loaded using the Digital Data Drive and a few words about its care are in order.

Do not leave the door to the Digital Data Drive opened. When you are not putting a tape in or taking one out, leave the door closed. This will avoid getting unnecessary dust in the drive, and if you smoke, the tobacco residue will not build up as fast.

Do not try to force a tape into the drive. Be sure that you are putting the tape in correctly. If the door does not close easily, the tape may not be seated properly. Re-open the door and re-seat the tape.

Keep the Digital Data Drive clean. A great many Read/Write errors are caused by a dirty Read/Write head.

When you open your drive you can see a small mirror, and directly below the mirror is the Read/Write head. To the right of the Read/Write head is a small rubber wheel. These three items are what need to be cleaned.

To clean your Digital Data Drive, you can modify a

standard audio head cleaner so it will fit in your ADAM Digital Data Drive. Follow the manufacturer's instructions. Another way to clean your Data Drive is to use Q-Tips and alcohol. Dip the Q-Tip into the alcohol and clean the mirror, the Read/write head, and the rubber wheel. Care should be taken not to saturate the inside of the Data Drive. Allow the alcohol to completely evaporate before using the drive.

Clean your drive about every month or six weeks, more frequently if you use your drive excessively.

If you properly care for your Digital Data Drive, it may stop eating your tapes.

LINKING UP!

None of these bulletin board systems is a local call from Florida, but when you have a few coins, give them a ring you will find friendly folks on the other end of the line, all of them interested in you and your computer.

ADAM LINK of UTAH: (801) 484 5114 - Operated by Alan Neeley, a long time ADAMite who also publishes an excellent newsletter, this board is available from 7 PM to 7 AM, Mountain Standard Time, and 24 hours on weekends and holidays. Alan uses software he's developed himself, based on the old Derrick Threatt software. Use your default options, and tell them MOAUG says 'hi'!

UP AN ADAM: (206) 859-2018 - This board is in the Seattle area...it's Pacific time, but it scarcely matters, because it's up 24 hours a day, 7 days a week. Special commands include '?' for Help, and 'ADAM' to access a list of ADAM Bulletin Board Systems. Bart Lynch, sysop.

ORPHANWARE HOTLINE: (216) 882 4720 The largest of all ADAM boards, running on software developed by Tony Morehan and Shawn Merrick, and using six disk drives. Big John Lingrel, proprietor. Don't skip the Bulletin...that's where you'll find the 'Moonlight Madness' specials on Orphanware products. I THINK the hours are 7 PM to 7 AM, M-F, and 24 hours weekends, Eastern time.

And introducing...THE GATE RBBS: (314) 358-2711 A brand new board in the St. Louis area, enthusiastically launched by Bob Warren of the SLAUG. Welcome, and GOOD LUCK!

METRO ORLANDO ADAM USER GROUP

EDITOR: PATRICIA HERRINGTON

1003 OAK LANE

APOPKA, FL. 32703

**Why is this lady Smiling????
ADAM LIVES!**