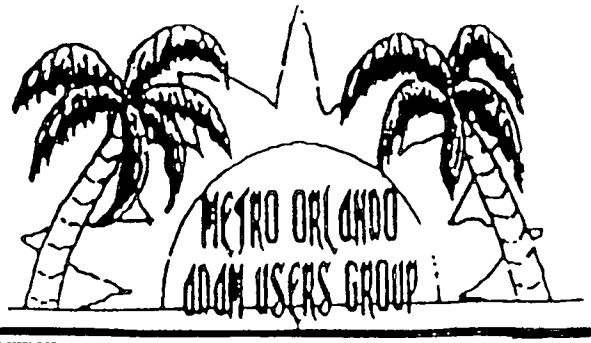

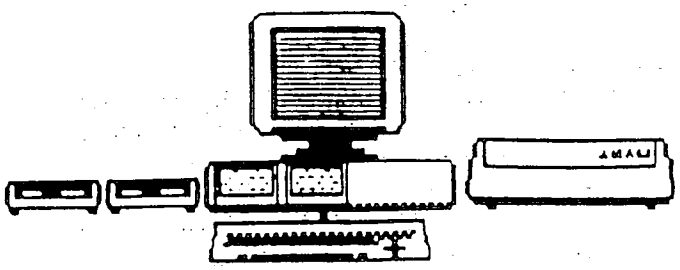

August, 1988

Dear Fellow ADAMite,

Last month's meeting was a super-special one. We had one of our favorite people as guest of honor. Gregg Noblett, long-time ADAM owner and programmer extraordinaire, visited us from New Jersey. Because there is no viable AUG in his home town, Gregg "adopted" MOAUG during his visit in July of '87. We sort of took him by surprise, though; he'd intended to just sit in on the meeting, and didn't have a lecture prepared. But MOAUG just couldn't pass up an opportunity like this, and we persuaded him to take center stage. Gregg has recently cracked the mysteries of the video chip, allowing him, among other things, to use dynamic opening screens in his programs. He demonstrated the program he's developed for his own use to generate fonts. All the programming was done in machine language, so it's FAST... and amusing, too; he has built into it some funny touches. (Even the name... "Character Builder"... exhibits Gregg's sense of humor!) It also demonstrates Gregg's meticulous programming; who but Gregg would put in all these special effects for a program designed strictly for his own use? We will see the end results, though, when Gregg releases games he's designed using his own utilities.

Gregg brought several other original utilities with him, so when we asked him questions about the catalog on a BASIC medium, he was able to demonstrate his own block-editing utility. This proved to be a topic of concern to so many of us that he spent the rest of the meeting exploring it. I wish we could have videotaped the whole session! Thanks, Gregg, for being such a good sport, and for your seemingly endless patience!

Personally, I lucked out. I got to spend some time with Gregg and his wife Michele, who is not a computer freak. My husband, Bob, is not into computers either; so the four of us spent some time just visiting, eating pizza and discussing life in general. We really enjoyed their company, and are trying to talk them into moving down here. And guess what... they are considering it!

Next meeting is..... **Sunday, August 14** **1:45 P.M.**

(Map on the back of this newsletter!)

See you Sunday! - Pat

ADAM LIVES!!

Behind The Scenes

HOT FLASH: There are NO colored ribbons for the ADAM printer available from suppliers anywhere in the world, and never have been, as far as I know. New technology doesn't extend to the ADAM printer, since most people eventually get a dot matrix printer. (I have every intention of buying a dot matrix, so that I can take advantage of all the neat graphics, when my budget can take it. But even after I do, I will keep my ADAM printer. The letter quality can't be beat for formal letters, reports, and manuscripts:) Well, after two years of unsuccessfully trying to track down a source of colored ribbons, I just stumbled into one, practically by accident. We can get multistrike ribbons in red, green, blue, or brown. There's a hitch, though: the local supplier does not have the right ribbon cases. So, we are in dire need of your old ribbon cases. After you use up the old ribbon, please save your cases for MOAUG. Wouldn't it be nice to type up your Christmas letter using red and green ribbons? If we can get those cases, we can get quite reasonable prices.

TO OUR FELLOW AUGS: - Please tell your members that we will pay 50 cents each for their old ribbon cases. We would appreciate donations, too; we will send a free colored ribbon to anyone who donates six ribbon cases. The ribbon can be worn out or missing, but the spool should be intact.

NOTICE: Your friendly newsletter editor is in the process of making a career change. I don't know how this is going to affect the newsletter. I have no intention of letting it go under, but there may be some changes. Keep your fingers crossed, and we will tough it out somehow.

SOAPBOX: With new people joining MOAUG every month, I think this old advice bears repeating: Do yourself a favor. Subscribe to one or more of the national newsletters. There is SO much news, and it is volatile; that is, the scene changes constantly. Terrific new products come out all the time, and the big newsletters have comprehensive reviews. They have technological experts to write programming articles, and they can afford the long distance phone bills that allow them to keep in close touch with what's going on. This filters down to us, but there is no possible way to condense the news from ten or twelve different newsletters into the little publication you are holding in your hand. I have been asked to rate the newsletters, but I just can't do it. I never met an ADAM newsletter I didn't like. You decide for yourself: come out to the meeting and look them over, and make your own choices based on your budget and your taste. Consider MOAUG a supplement, based on local news and the questions posed by your fellow members. And, KEEP the MOAUG newsletter responsive to your needs by participating. Help me to help you.

AT LAST: President John Terry drew a round of applause when he announced at the July meeting that MOAUG is now officially recognized as a nonprofit group. It seems like this took forever, but at last we are legal!

##########

St. Louis AUG has sent us a special gift... a SmartFiler database by Hector Sanchez containing names of vendors, supporters, AUGS, and newsletters. The UK AUG has sent us a database containing minireviews of all the products they've reviewed in their newsletter to date. They also sent us one of their own PD packs. OAUC (Omaha) announces that Norman Castro, who recently retired from the Air Force, has changed his mind about leaving the area... I know the Omaha users are relieved!

Book Review--

By John Harris, 105 Burning Tree Lane, Boca Raton, FL 33431

A HACKER'S HELPER PREPARATORY TEXT

This new book by Mel Ostler is aimed at helping the uninitiated go from knowing nothing about the inside workings of a computer to being able to understand his previous widely used, more advanced book, HACKER'S HELPER, Volume I.

The target reader is one who wishes to go beyond BASIC, gain an understanding of computer fundamentals, and touch onto machine language programming.

Mel learned of the need for such a book from those who purchased Volume I but found they lacked the background to understand it.

"A number of those people wrote me that they could not understand various aspects of the computer which they needed to know in order to do 'hacking,'" Mel said.

"When first I received the suggestion that I write a book to bring these people up to their desired level of understanding, I thought that surely with all of the books which have been written, that any one of several would suffice. However, upon searching for one to recommend, I did not find any. The books with the most appealing titles tend to be written with the assumption that the reader already has an understanding of what terms like 'operating system,' 'ROM,' 'binary,' etc. mean.

"It seems that most authors forget what it was like back when we didn't understand the very common terms which we now toss around as if they were learned in the cradle.

"And it seems most manuals are written to familiarize engineers or technicians with the newer aspects of microchips and/or microcomputers. The result is that the average non engineer or non technician is left to struggle as best he can.

"It is for these that this new book was written."

But Mel warns that it still requires more effort than reading a novel, even though it is clearly written and liberally sprinkled with anecdotes to avert 'brain bog' in the reader.

"The reader will need a desire to know, and a willingness to study the material presented--even follow up with questions to me if all else fails."

The 10 chapter headings indicate the scope of coverage: All About Numbers, The Binary Number System, The Hexadecimal Number System, Binary to Hexadecimal Conversion, Hexadecimal to Binary Conversion, All about ASCII, The Memory Systems, The Microprocessor, Mnemonics, and Assemblies and Disassemblies.

A HACKER'S HELPER PREPARATORY TEXT contains 74 standard 8 1/2 x 11 pages.

It is available postpaid for $15 from: Mel Ostler, 7641 Raasaf Blvd., Las Cruces, NM 88005.

Beginner's Corner: Using Your Word Processor

Keith Marner of the United Kingdom ADAM Subscribers offers the following SmartWriter hint: If you use your backspace key instead of the DELETE key to edit out part of a sentence, you can get everything to line up again by pressing the INSERT key. Then, without entering anything else, hit SmartKey VI (DONE). SmartWriter will check to make sure that everything is where it should be, and you won't have those annoying gaps in your text. (DELETE has exactly the same effect, but involves highlighting the text to be deleted.)

Keith also mentions that some folks find it easier to write or proofread by using the Moving Window mode and setting the right margin to 45. This will display several lines at a time and allow you to enter text anywhere on the screen, not just at the bottom of the screen. You will probably want to reset your margin to 70 to print your document.

Make use of your margins. If you have a letter that is just slightly too long to print on your page, set the margins a little wider. You can also use the widest settings (1 and 80) to get as many lines on the screen as possible when you want to scroll, highlight or delete large blocks of text in moving window mode. Remember that when you SAVE a document, the margin settings are saved with it; when you retrieve it, it will replace whatever margin setting is currently in memory. If you want to use different margin settings within the same document, you will need to place a <RETURN> after each line that you want to be different from the body of the text.

Many new users find it difficult to enter a <RETURN> in the body of a text because they don't realize that you cannot put a return between characters. They find it confusing that a space entered by hitting the space bar is just like any other character to the computer. Even though you don't see it, the computer does! To enter a <RETURN> anywhere in your text, use the <INSERT> key. Hit <RETURN> and then choose Smartkey VI (DONE.)

Have a hint to share or a question to ask? No matter how small it seems to you, we welcome all input. Share it with others!

I noticed that I sometimes have trouble printing out any line that begins with an underscored word. It sometimes... not always... makes the text jump to the right, giving me an unwanted indentation that remains for the rest of the printout. My solution was just to avoid underlining in the extreme left margin. Jack Tilson noted, however, that that seems to occur only if the previous line had no <RETURN>. So if you want that underscore, all you'd have to do is put a carriage return on the previous line. Maybe the bidirectional print head, which goes back to underline BEFORE it prints the actual word, may get confused and try to go back too far. A <RETURN> would let it know to stop (?)

Quick recap of previous hints: Store document early on, then clear the workspace and call it back up, to prevent the problem of having to rename your file every time you store it. Store often to prevent accidentally lost data due to a power surge or lockup. Do not try to print to the ADAM printer using a left margin of 1.

Remember that a <RETURN> on a blank line will print out on the ADAM printer as a blank line and a half instead of just one blank line. This can cause problems in long documents. ADAMites have come up with several ways around this. One of them is to place a period on each "blank" line. Alternatively, you can shave off one seldom-used character on your daisy wheel... whichever you think you may not use... and type that character when you want a blank line. It will show up on your screen but not on your printout. Another way to eliminate that extra half space is to enter a Control 6 (hold down the Contrc key and press "6" at the same time) followed by a space. You will see a symbol on the screen like an upside-down L. DON'T forget the space!

HANDY HARDWARE HELPERS

Friends of the Fix-it Phobic

Well, I did it. I bought Ric Stilfield's 512k memory expander. Knowing I have no confidence in my ability to make the installation, he made it real easy on me by trading me my spare console for his console with the card already installed. But, I hesitated to put my ADAMLINK modem on the same machine as the memory expander, just in case my modem was one of those that is incompatible with the 512k board. (Most people, by the time they go for the 512k, are using a 1200 baud modem, so it doesn't matter: And there seems to be no problem using the ADAMLINK modem with any memory expander smaller than 512k.)

So... I decided to set up two separate systems. The problem was, I had no second monitor. So the system with the 512k was sitting gathering dust (not literally!) when Gregg and Michele Noblett arrived for their visit in July.

"No problem," said Gregg. "I have two computers hooked up to one monitor, myself."

"Oh, really?" said I. "But I'm a mechanical washout. I can't figure out a complicated configuration like that."

"No problem," repeated Gregg, with a grin. "Did you get a second selector switch with that spare ADAM?"

Sure enough, there, nestled in foam in the box, was a computer/TV switch.

I think it took Gregg the better part of two seconds (well, maybe a LITTLE longer) to hook that second switch up to the first, and the only tool he needed was a screwdriver. He took the wires from the second switch that say "CONNECT TV to VHF", and he hooked them to the screws on the first switch that say "CONNECT TO ANTENNA". He set the first switch to "COMPUTER", and left it there. The second switch toggles to alternate between the displays from each computer.

If I want to see what's in memory on the first system, I leave it set on COMPUTER; and I switch to TV when I want to display system two. Both systems are fully functional, utilizing separate keyboards. The ONLY thing they share is the monitor.

Now, if I can just get Gregg & Michele to come down and stay for about two weeks until I learn the ins & outs of my new memory expander! Hmmm....

* * * * * * * * * * * * * * * * *

One of the most exciting developments of the year was that "Big John" Lingrel of Orphanware came up with a way to convert 3 1/2" 720k disk drives for use with ADAM. If you find this prospect irresistible, you have two choices: you can order the drive complete for $155, or John will sell you just the conversion kit for only $25, in which case you supply your own drive. (These prices are current as of August 2; shipping not included.)

John says you'll usually come out cheaper by buying the complete drive, and that way you have the famous Orphanware warranty, too. If you have five thumbs on each hand like I do, you'd be insane to try the kit. But the price is very tempting, if you have a drive handy (instructions are for TEAC and Toshiba drives)... AND you are a whiz with electronics.

Even so, some folks have run into problems making the conversion. So we asked St. Louis AUG president Barry Wilson if we could borrow the expertise of wizard Jim Guenzel. (Jim successfully did the conversion for Barry.) You'll find the article we received on the back of this page.

Come to think of it, my second system doesn't have its own disk drive yet... I wonder if Jim's planning a vacation to Disney any time real soon....

THE ST. LOUIS
ADAM™
USER GROUP
12967 Weatherfield Dr.
St. Louis, MO 63146

JIM GUENZEL
12221 Spring Shadow Ct.
Maryland Hts., Mo. 63043-2122
314/878-2371

JUL 16, 1988

I recently modified a standard ADAM disk drive with the ORPHANWARE 720K upgrade/modification. From ORPHANWARE, 5665 MYERS ROAD, AKRON, OH 44319. PHONE 216/882-4720 I was supplied with a 2732 SYSTEM EPROM (this has the program to make the ADAM disk controller board "control" a 3 1/2 inch 720K disk drive. Also included was 1.1K resistor, some 5 feet of 30 guage wire and very complete instructions.

I only encountered one problem during the whole modification and hook up process. After doing everything the directions said to do the head advance motor would not cause the read/write head to move. I soldered a jumper wire to pins 10 & 12 of P5 on the ADAM board. The unit works fine!

I talked to Big John of ORPHANWARE about the problem. John explained that I could have fixed the problem by moving a jumper pin on the side of the TEAC 3 1/2 inch from the normal IBM position of D1 to D0 (toward the **front** of the drive). My solder fix did the same thing as moving the jumper pin. I have not changed my solder fix because I beleive "if it ain't broke, don't fix it".

One other thing. The TEAC DRIVE (and others) work on just +5 volts D.C. (This is because so many of the small 3 1/2 inch drives go into LAPTOP battery powered machines.) So be sure and pay attention to the directions from ORPHANWARE that say to cut the BLUE wire on the ADAM four pin power connector. The standard IBM power pin-out is: +5 , ground, ground, +12 volts.

If you have any other unique problems with the 720K upgrade give me or John at ORPHANWARE a call.

Enjoy,

Jim

MODEM SOFTWARE CHOICES

Ray Dougherty has suggested that we study the following message downloaded from Compuserve, and consider at the meeting whether we want to purchase the video described herein:

25-Jul-88 07:30:34
Sb: Instructional Video
Fm: Bill Osburn 71001,1667
To: ALL ADAM USER GROUPS

ATTENTION ALL ADAM USER GROUPS. A video has just been released for the ADAM. It is intended to teach those unfamiliar with the modem to effectively use both ADAMLink II and MADAM7. The primary focus has been on MADAM7.This video assumes you've never used MADAM7 and walks you through step by step. In addition, it shows the actual screen displays while the narration continues! The video will teach an unexperienced user and start with the basics, then into the advanced function keys, the "Home Key" for file transfers and give a thorough explanation on the use of this program. The video is two hours long. The price is $25.The video is intended primarily for User Groups and the authors will allow the UG's to rent out this video to its members. This video was tested on a non-user and after the video, this person was asked to operate MADAM7.The video was then refined in the areas that the user had trouble with. I would recommend that ALLADAM User Groups seriously consider purchasing this video for the benefit of their members. For further details call Larry Sparks on his BBS and leave him a message. The number is: (615)344-2163. Tell him Bill sent you.

Rob Friedman: 3814 Ocean Ave T-2
East Rockaway, NJ 11518

(516) 593-8798

Message from Rob: DOES ANYONE KNOW ANY ADAMITES IN NEW YORK? Rob has been looking for 'em; wants to start a NY group. Long overdue, he thinks!!

For those who are just joining us: Your modem comes with ADAMLINK software. It cannot be used to transfer files (upload or download) with your modem. The public domain update is ADAMLINK II. MOAUG will update your ADAMLINK tape or disk free of charge, on your original medium (members only, please.) You can then transfer ASCII files. That is, text, or any programs using text characters, such as simple BASIC or LOGO files. However, you still cannot upload or download CP/M files or other machine language files. For this you need an xmodem file transfer program.

Madam7 is a public domain telecommunications program which allows xmodem file transfer. MEX is another program to accomplish the same thing. You must have CP/M to use either of these programs. You can purchase both of them from MOAUG for $5 (tape) or $3.50 (disk.) If you prefer, you can send a blank tape or two to Rob Friedman, the ADAM CP/M sysop on Compuserve, together with return postage, and he will send you copies of both MADAM7 and MEX, and possibly some other goodies. (Rob does this just to be helpful. So does Tim Nunes, who is the ADAM BASIC sysop on Compuserve.)

Those who do not yet have CP/M can order the new program ADAMLINK III. It is distributed by Orphanware, though it can be purchased from many other sources. ADAMLINK III is an xmodem transfer program which does not require CP/M. It is NOT public domain, and may not be copied for distribution to others. It retails for around $18.

Of course, if you do not have a modem, you cannot use any of these programs.

Orphanware: PO Box 324
Canal Fulton, OH 44614
(BBS 216-882-4720)

Coming Soon: Rob Friedman's recent article exploring the different types of CP/M software for your modem!

BBS Hopping: The Local Scene

LONDON BBS has a flyer out which lists ADAM Users as one of the groups supported by the board. So far as I know, I am the only ADAM user who regularly accesses LONDON, but you are all obviously welcome! LONDON is one of the longest-running and most interesting of all the message boards in Orlando. It's run by a 19-year old college student, who has been doing this since he was 16. Matt Drury, who calls himself "the Mayor" of London, is a bright & funny young man. As we've mentioned before, Matt makes a special project of keeping an updated list of all the computer bulletin board systems in the area. Matt's buzzword is "LIPS", which stands for London Is Primarily Social. Every now and then, the patrons of LONDON hold a social event... they will meet at a movie theater, or go to Wet & Wild, or have a party of some sort. In that way, people who've become friends in the course of exchanging messages can get a chance to meet each other.

There are several different message bases on LONDON which are run by different people. As a matter of fact, there is a new one called "Ask Auntie Bellum", which is a tongue-in-cheek advice column. (Sometimes there are serious questions & answers, though.) Now, nobody is supposed to know that I am Auntie Bellum; so don't go blowing my cover! You will also find me online in the other bases as "PJ", which is the name I also use on Compuserve, just because it's faster to type than "Patricia Joyce Herrington."

I had planned to do an in-depth Tour of London in this issue, so you could see all its features. But Matt is making improvements again, and by the time you get there it may be entirely different. He intends to link up with a nationwide BBS network in mid-September. He's always changing things; though; I don't think he's ever heard of "resting on one's laurels."

Because Matt pours his heart, soul, and all the limited finances of a college student into the board, it is a good idea to send him a donation of $10 or more if you like it and decide to use it a lot. Contributions are strictly voluntary, but your bit will help keep LONDON online, and I'm all for that!

Other patrons of London include people of all ages, Mensa members, members of the Rocky Horror Show cast, members of the Doctor Who fan club, military personnel, housewives, college students, and firefighters. School-age children show up, too, but only special kids hang around long; LONDON is not a "kiddie" board. You can scarcely avoid finding some interesting people in a batch like this! There are also on-line games (restricted to certain hours), and mini-bases called "chains" in which anyone can start a series of messages about a particular subject.

The problem with a popular small board is that it's sometimes hard to get through. But it's worth the effort.

Give LONDON a call at 859-2243. Matt requires mail-in registration, so he will know who's using the board, and to weed out known troublemakers ahead of time. This isn't snobbishness; I can promise you that you will be warmly received.

~~~~~~

Last month I mentioned Tom Hirtreiter's new board, the Deltona Lakes BBS. I omitted that you have to change your parity to NONE when you access his board. The options, then, are as follows: Character Bits = 8
Parity = NONE

No other parameters need to be changed; your defaults are OK.
~~~~~~

SUMMER SALE

ADAM'S HOUSE

Route 2 Box 2756
Pearland, TX 77581

Terry R. Fowler
1 - 713 - 482-5040

ISA/MASTERCARD

JULY/AUG 1988

SOFTWARE

FILE PRINTER $ 9.95
- Printes SmartWRITER files on a Panasonic (Epson, IBM) Dot Matrix Printer. Simple to use. An easy way to use SmartWRITER and print justified lines with no effort!
- File Printer is self-booting to a MENU of four print functions, including Newsletter Column (3"), Letter (10 & 70), and QYSIWYG. A fourth function allows you to set your printer before using with other software.
- A 12 page manual explains how to include printer codes within your document in order to produce changes to the size, type, boldness, quality, and characters per inch. Underline, italicize, switch margins, form feed, and more. Sample documents included, too. [H101]

ShowOFF II $14.95
- A Machine Code Print enhancement for SmartWRITER which adds 32 print controls and 5 control functions.
- Requires PIA2 Centronic Interface, dot matrix printer, and at least a 64K card. [H102]

MegaDISK $19.95
- Creates a Raw Disk for any size Expansion Card. Choose a "fulldisk" (249K) or "shortdisk" (137K) in 256K CARDS.
- "Shortdisk" reserves 64K for other program use! [H103]

XRAMpak I $14.95
- Allows instant booting of SmartBASIC, AdamCALC & LINK!
- Includes XRcopy for full use of memory card for copies.
- Autoloads all your favorite programs into RAM DISK.
- Use MegaDISK to create RAM DISK. Great time saver.[H104]

PowerPAINT $34.95
- Graphics design and text creation of full page layups.
- Extensively packed. Full of options to create and use pictures, clip art, sprites, etc. in your own pictures! Uses art from other products (FontPOWER, SpritePOWER, CLIPPER, etc.), and includes many files and pictures.
- Requires at least a 64K CARD. Prints on dot matrix.

PaintAIDE/SwiftFONTS H187 **$16.95**

FontPOWER $12.95
- Lets you create your own font styles. Eight included!
- Use in high or low resolution, and with PowerPAINT![H106]

SpritePOWER $14.95
- Design your own sprites. Three sets included for use.
- Use in SmartBASIC 1 & 2, 280, or PowerPAINT. [H107]

CLIPPER $14.95
- Capture portions of pictures. Draw & edit, add text.
- Puts clip art in hi-res or PowerPAINT pictures! [H108]

BEYOND TREK [H109] ...ADVENTURE!...**$14.95**
CHESSCHAMP [184] ...GRAPHICS! MORE..**$14.95**

GO-DOS (INCLUDES TECHNICAL MANUAL) **$29.95**
- Desktop Operating System permits SmartKEYS, pull-down menus, icons, etc. Go-Kit Included. Need 64K [H168].

GO-WRITER -- 30/60 COLUMN WORDPROCESSOR FOR GO-DOS. FULL FEATURED. GRAPHICS! [H182] GO-DOS ONLY [1168] $19.95

ADAMLINK III $17.95
- Now upload/download XMODEM protocal files: CP/M, Binary.
- Use SmartKEYS, normal TV screen. Easy to use! [H157]

SmartDSK $17.95
- Lets you use all SmartWRITER functions and print using a dot matrix printer. Also recognizes and uses RamDISK Space, allowing you to store files, merge, more! [H154]

LIBRARIAN $19.95
- Reads normal directories of each media to create a file which can be read by SmartFILER. Create a alphabetical directory of over 700 program files. Easy to use![H111]

BUSINESS PAK I $17.95
- Programs give the businessman the ability to keep an address and mailing file, inventory files and tracking.
- 6 programs. Easy to use. Great for accounting. [H110]

NewsMAKER $26.95
- Desktop publishing allows mixed printing of graphics & text. Design your own illustrations. Prints on ADAM or a Dot Matrix. Will use SignSHOP pictures. [H112]

SignSHOP $20.95
- A creative design and printing system for ADAM. Make signs, letterheads, banners, greeting cards! [H151]

ProofREADER $34.95
- A high speed Spelling Checker which includes a 5200 Word Dictionary with the ability to expand as you spell check your work. Automatically displays suggested spellings. Very good! [H113]

SpeedyWRITE $39.95
- Most advanced wordprocessing system for ADAM! See the screen exactly as printed. ADAM or DM use. [H188]

SwiftDISK NEW! H193 **$ 9.95**
- Similar to SmartDSK ABOVE, adds two central features: D2 becomes a Raw Disk, and an INSTANT MENU to load many programs: CALC, LOGO, BASIC V1. MEGADISK required!

MegaSYSTEM-XR New! [H183] **$34.95**
- Use with 256K. Instant program switching with one key!

CP/M2.2 NEW SYSTEM PATCH [H1115] **$ 8.95**
CP/M WITH MANUAL & ORIGINAL SOFTWARE [H158] - $24.95
AdamCALC Software & Manual [H159] **$ 9.95**

SmartFILER Software/Manual [H160] **$ 9.95**

SmartLOGO Software & Manual [H163] **$14.95**

ExperTYPE Software/Instruct.[H169] **$9.95**

SmartLETTERS DISK ONLY! [H192] **$9.95**

ADAMCALC D. M. Printer Patch [H129] **$8.95**
ADAMLINK D. M. Printer Patch [H130] **$8.95**

MISCELLANEOUS ITEMS:

PRINTER RIBBON [H156] $5, [H162] 3/$13.95!
DATAPACK [H164] $2.00, [H123] 10 for **$14.95**
FORMATTED DISK [H127] DSDD FLIPPY: 10/9.95
SOFTWARE DEMO VIDEOS **$14.95**
Vol 1- 2 hr - H122 ; **Vol 2**- LATEST! - H194

RS232 INTERFACE **$74.95**
- Attach an external 1200 Baud Modem. Software. [H167]

AUTO-ANSWER BOARD [H174]. **$24.95**
- Lets ADAM monitor all incoming phone calls. Software to let you record the time of call, # of rings, etc.

MEGACOPY. . [H173]. **$54.95**
Make your own DataPacks, any way you want, easily! Use cassette audio tapes (see below) and save money!

DISK DRIVE MECHANICS. . **$29.95**
Read/Write head, motor and belt assembly, sensors, and circuit boards attached to the mechanical part of the ADAM disk drive. May be substituted easily in your defective drive, or use for parts. [H191]

CASE & POWERLIGHT KIT. **$14.95**
- Add a case and powerlight to your Power Supply. [H180]

CABLES: Keyboard or Disk Dr. [H176]. . **$3.95**
Monitor (with Audio) [H177]. . **$5.95**
CHIP SET U20, U21, U22 [H178] . . . **$35.95**
AUDIO TAPE, datapack use [H179]..10/**$7.95**

HACKER'S GUIDE-1. [H132]. . **$12.50**
HACKER'S GUIDE-2. [H133]. . **$12.50**
HACKER'S HELPER-1 [H131] . **$18.00**
SmartBASIC MANUAL [H150] . **$ 7.95**
PINBALL MANUAL. . . [H138] . **$ 5.00**
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AdamLINK II, Graphics by L.C.Austill (on Disk or DP?)
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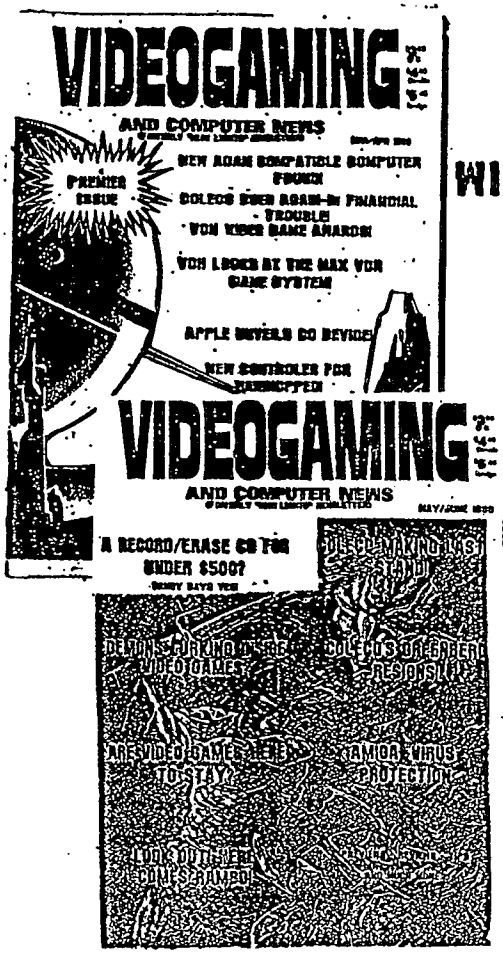

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Here's a little something for the Rich Lefko fans who've missed his articles lately. Fact is, Rich & wife Nancy have been in transit from California to Massachusetts. Well, they finally arrived; and the first thing Rich did when he unpacked his Adam was to sit down with Power PAINT (by Digital Experts) and design the following page. (Happy new home, folks!)

LEFKO TODAY

TODAYS TOP STORIES:
NANCY & RICH LEFKO ARRIVE IN MASS.....
LEFKO TODAY POLL....
WEATHER:
HAZY-HOT-HUMID!!!!

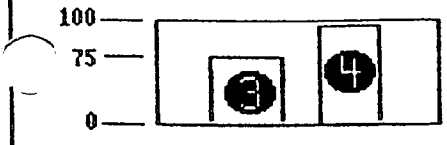
VOLUME 01, No. 1 GROTON, MA JULY, 1988 25¢

BOSTON MA(AP) - The heat wave that has been plaguing the east coast continued today with no relief in sight! Highs were in the 80's and 90's today over much of Massachusettes, but relief may come on Monday as a
cont'd on page 23

GROTON MA(UPI) - Nancy & Richard Lefko, accompanied by their bi-coastal dog Charlie, arrived in this sleepy New England town amid the cheers and well wishes from local townsfolk. Groton Massachusetts, incorporated in 1655, is set in a rural wooded area appox. 35 miles from downtown Boston and 20 miles from Nashua N.H.
The couple will be living at 499A Boston Road in Groton, 01450. Their phone number is (508)448-3422. They both say that it is "exactly" the kind of place they have always dreamed about living in!

LEFKO TODAY POLL

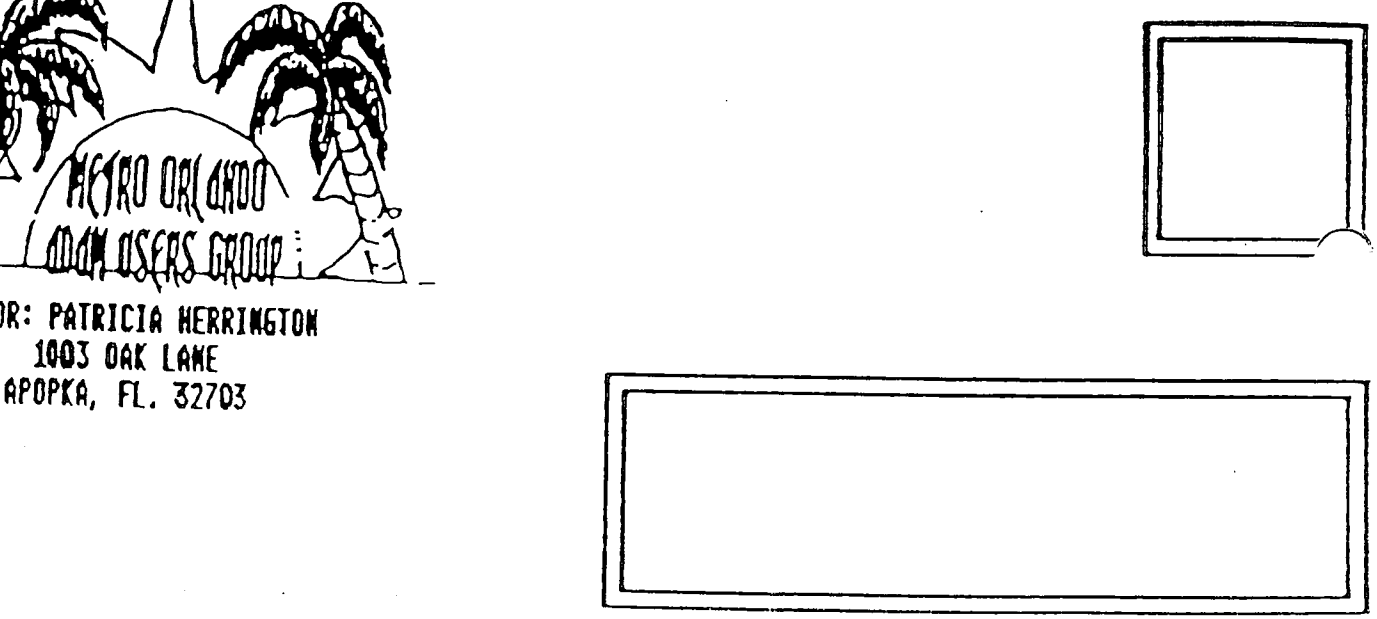
3 out of 4 Americans make up 75% of the population.



NASHUA RIVER TIDES

GROTON

HIGH TIDES	LOW TIDES
SAT 8:07 AM	SAT 4:45 PM
SUN 9:08 AM	SUN 5:48 PM

METRO ORLANDO
ADAM LOVERS GROUP

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