AUGment

JANUARY - FEBRUARY 1985 VOL. 1 No. 2

Official Newsletter of the ADAM USERS' GROUP

ALL IS WELL WITH ADAM AND AUG

Here we are at the start of the new year 1985 and things are looking "A - O.K."

The response to AUGment has been more than we could have imagined. Your letters and articles, many of which appear in this issue, show the interest and concern you have for your fellow AUGies.

Many new and exciting things are happening with the ADAM and they are reflected in some of the added feature articles.

Starting with this issue we will have ongoing articles on SmartBASIC by Gary West, author of Joy of Basic for the ADAM. You will also have the opportunity to read about what's happening at Coleco directly from John Reese, Marketing Manager (Computers).

Best of all are your letters to other members, letters that we will continue to publish in every issue. After all, AUG is the place for ADAM users to communicate with other ADAM users.

There are new happenings at Coleco as well. The ADAM CP/M has arrived and along with it comes the availability of some of the most popular software in the computer industry! (See CP/M Arrives.) In future issues we will feature the column "CP/M STUFF." This is a well-known column done in a tutorial manner for beginners.

The AUG Library is continuing to grow. Now with the disk drive, CP/M, and your program contributions we will probably have the largest library of Public Domain software for the ADAM computer. (See Library.)

As we continue to grow, we will start to implement some of the worthwhile suggestions you have been making through your letters and calls.

And ... since this is the time of year for resolutions, we offer the following:

...AUGment will continue publishing your letters of help and encouragement to other AUGies.

...AUGment will continue to give you the latest up-to-date information about ADAM and Coleco (good or otherwise.)

...AUGment will help and encourage local Adam User Groups to get started and functioning. Local chapter news and new AUGs will be listed in each issue.

...AUGment will continue to publish programs that will run on the ADAM computer.

...AUGment will continue to publish articles of help regarding the ADAM computer and its software.

...AUGment will publish reviews and news of third party vendors' hardware and software for the ADAM.

...AUGment will listen to you and will do whatever it can to get Coleco to listen, too.

Remember, all of these promises can be fullfilled with your help ... so keep those letters coming.

"Hey, Loretta, the mail just arrived. You better order some more ADAM pins...."

Box P

Dear AUG,

AUGies who have done a lot of programming have surely experienced the dreaded "NO MORE ROOM" message. Isn't it strange that this message often appears when the CATALOG shows 50 or even as high as 150 BLOCKS free?

I have discovered two reasons for this:

1) The CATALOG can hold no more than 34 or 35 files, regardless of length.

2) Previous programs which have been erased may occupy some hidden space somewhere. Try erasing a 10k program and saving a 2k program in the same spot on the tape. It may or may not show up on CATALOG as 10k.

If the problem is the 35 files in the CATALOG, you can combine several short programs into a bigger one with a menu. If you don't have a renumbering program, this operation may be lengthy, but doing it in word processing should simplify things. (Specific details on this operation may be obtained from me at the address below.)

If you don't wish to combine your programs, your back up copies of programs can be stacked together. Choose families of programs such as "card games" or "joystick games" and save them one after the other in a word processing file. Use distinctive characters to separate your programs such as "######" or "@@@@@@."

Should you need to recover a program, delete one screen at a time until you reach the proper marker, skip to the end of the program, and delete the rest of the file. The resulting file can be saved under the program name without any loss. You can even leave extraneous information (such as the name of the program) because SmartBASIC will ignore it.

Guy Cousineau
1059 Hindley Street
Ottawa, Canada K2B 5L9

Dear AUG,

Congratulations on your first publication. I like the format and the black on blue. Also, the binder holes are a nice touch and greatly appreciated. I'd like to comment on some of the letters and programs.

Mike Sunderland and others would probably like to know that ADAM uses a Z80A microprocessor, an 8-bit device with an 8-bit data bus, not a 16-bit microprocessor.

Also, to Dan Levitt about the salesman's attitude: He could have mentioned it to the manager if it were something he felt strongly enough to write about.

On the Smartkey program by Gary West: The I3 in line 120 was substituted for Smartkey III because ADAM's version of BASIC recognizes only the first two letters of a label and it would have been in conflict with line 110.

Howard W. Sams & Co. have recently published a book written by Christopher and Jonathan Titus that is quite good for beginners. It is titled The Coleco Adam Starter Book, catalog number 22380.

If readers are interested in knowing their version of SmartBASIC, it can be determined by a PRINT PEEK(260) after loading BASIC. From what I have read, version 79 is the latest. I would like to know if anyone has a later revision.

On page 9 of the Operating Tips brochure sent with ADAM there is a section on using a monitor. Pins 3 & 4 are connected to the video output. I purchased a monitor with audio some time ago and wired the connector as shown. Both audio and video work fine.

I must say that for the price and the amount of use both the computer and printer have had, I am very pleased with the unit. Neither I nor my children have had any trouble with it. My only concern is that there is little educational software, but I hope that will change in the near future.

Alva L. Hill
700 Ribier
Lodi, CA 95240

Dear AUG,

I have been fooling around with VCR's for a long time and came up with an idea. Recently I took my three-year old grandson on a tour of California.

I took my camera along and recorded the whole vacation. When I got back I decided to edit my tape using graphics from my computer. I had purchased ADAM's 32 programs and used Kaleido as graphic commercials between the various stops we had made. I also used SmartWriter to provide captions indicating every place we had visited. This made a very nice story on tape.

I decided to put all of my programs on video tape in case I inadvertently wipe them out. It is surprising how many programs you can put on a six-hour video tape. Any AUGies interested in how to set up a video vacation along with captions and graphics from their ADAM can send me self-addressed stamped envelope at the address below.

I was tremendously pleased with the first issue of AUGment and have already communicated with three members that sent in articles. I was most impressed with Gary West's program. It was the first time I tried a printed program that worked. As I get more into video-plus-computer, I will send along more articles. Keep up the good work.

Walter Wright
490 17th Street
West Babylon, NY 11704

* * *

Dear AUG,

In my program listed in Vol. 1, no. 1, p. 5, you misprinted line 230. It should read as follows:

```
230 HPLOT (x(p)) + 10, (y(s)) + 10 TO
  (x(p)) + 10, (y(p)) + 10
```

Matt Coohill
652 E. 14 Street
Bowling Green, KY 42101

[Ed. note: Our apologies to Matt and our thanks to members who caught this typographical error.]

Dear AUG,

I thought the first issue of AUGment was terrific, well worth the subscription price.

Here's a tip for ADAM users which finally solved a problem I had been unable to resolve. If, when PRINTING text in SmartBASIC, you attempted to use the full 31 space capability, the next line always appeared two lines below rather than on the next line where it belonged. Only recently did I learn that ADAM prints an invisible carriage return character as a 32nd caracter. This invisible carriage return would appear as the first character of the next line of text if it were visible.

The solution to this problem is to end each line of text which makes use of all 31 spaces with a semicolon. This serves to cancel the invisible carriage return character and allows you to use the full width of the ADAM's capabilities.

Here's what I mean: Type the following—

```
10 PRINT
   "0123456789012345678901234567890";
20 PRINT "I DON'T WANT THAT EXTRA LINE"
```

Now type:

```
10 PRINT
   "0123456789012345678901234567890";
20 PRINT "THAT GOT RID OF IT"
```

In line 10 (both examples) do not hit RETURN until the semicolon.

Just remember that when column 31 is used that 1) ending with a semicolon gives you a single space, while 2) not ending with a semicolon results in a double space.

Keep up the good work.

Robert Larzalere
1207 San Juan Street
Trinidad, CO 81082

* * *

Did you get your

ADAM pin yet?

Dear AUG,

Here is a tip for users with two-digital data drives if you would like to store hello files on separate tapes. Just load BASIC in drive two. While BASIC is still loading, insert the tape with the hello file in drive one. After BASIC is done loading, the hello file will load in drive one.

James N. Walters
RD#4 Box 289-A
Titusville, PA 16354

* * *

Dear AUG,

Here is a short, simple graphics program that fills almost the entire screen with randomly generated, multi-colored stars.

```
5 REM **STARS** By: D. Dorazio
10 HGR
15 PRINT: PRINT TAB(13); : PRINT "STARS"
20 DEF FN d(n)=INT(1+n*RND(1))
30 HCOLOR = FN d (15)
40 x = FN d (255)
50 y = FN d (158)
60 HPLOT x, y
70 GOTO 20
```

Derek Dorazio
3206 Windsor Lane
Thorndale, PA 19372

* * *

Dear AUG,

You can easily convert your old TV stand into a computer stand. Your ADAM computer and a 9 or 12 inch TV fit pretty well on the top shelf. On the shelf under the stand, a slide out drawer could be installed to hold the printer. If you cover the drawer (to quiet it down), install a fan and light and place the keyboard atop the drawer.

I push illuminated buttons that turn on the computer, the TV, the fan and the drawer light from a control box. However, with the illuminated switches, screen, and drawer light and with the fan humming, it's too business-like. Can someone help me make this appliance look more like a piece of furniture?

Jack Gordon
7149 Ramsgate Ave., Apt. D
Los Angeles, CA 90045

Makes Cents

Here is a program that could be used as a subroutine in a program where you want the numbers to come out in the dollars and cents format, i.e. $435.00, with any number of digits before the decimal point, but just two after.

```
 900 REM # GOING IN MUST BE = TO N
 910 REM # COMING OUT WILL BE = TO P$
1000 LET N = INT(N*100+.5)/100
1010 LET N$ = STR$(N)
1020 LET P = 0: LET C$ = "": LET D$ = ""
1030 FOR I = 1 TO LEN(N$)
1040 IF MID$(N$, I, 1) = "." THEN LET
  P=I
1050 NEXT I
1060 IF P=0 THEN LET P=LEN(N$)+1: LET N$
  = N$ + ".0"
1070 LET N$ = N$ + "0"
1080 LET C$ = MID$(N$, P, 3)
1090 IF P = 1 THEN LET D$ = "0": GOTO
  1230
1100 LET N$ = MID$(N$, 1, P-1)
1110 IF LEN(N$) <= 3 THEN LET D$ = N$:
  GOTO 1230
1120 LET T = INT(LEN(N$)/3) - 1
1130 LET L = LEN(N$)-(T+1)*3
1140 IF L = 0 THEN GOTO 1160
1150 LET D$ = LEFT$(N$, L)+","
1160 LET L = L+1
1170 IF T = 0 THEN GOTO 1220
1180 FOR I = 1 TO T
1190 LET D$ = D$+MID$(N$, L, 3)+","
1200 LET L = L+3
1210 NEXT I
1220 LET D$ = D$+MID$(N$, L, 3)
1230 LET P$ = "$"+D$+C$
1240 RETURN
```

If you don't want the dollar sign ($) before the number, change line 1230 to read:

```
1230 LET P$ = D$+C$
```

William H. Duncan
1261 Middletown-Eaton Road
Middletown, OH 45042

* * *

ADAM USERS!

smartBASIC BONANZA!

ADAM USERS!

15 programs for ADAM on one cassette

OUTSTANDING REVIEWS

"smartBASIC BONANZA is the best. . . You will never spend $34.95 more wisely."
— Expandable Computer News

"fun . . . useful . . . amazingly low cost"
". . . worth every cent."
— ADAM Users Club

". . . fine programs . . . well written and appealing."
— AUGment (ADAM Users)

— Computer Entertainer

DESIGN: hi res figures
SOUNDER: music and sound
OTHELLO: the board game
MANSION: adventure game
FINANCE: budget, metric, interest projections
FUGUE: 3 instrument music
MAGIC: amaze your friends
TYPER: tutor, video game
TRYME: 2 educational games
MINIASSEMBLER: write machine code
DISASSEMBLER: decipher machine code
FILER: database
LABELS: make labels from FILER files
TENNIS: pong game
BREAKOUT: video game
+SURPRISES

ALL THIS FOR
$34.95 (US), $43.95 (CDN)
Money Order, VISA
MasterCard (include expiry date)

Martin Consulting
94 Macalester Bay
Winnipeg, Manitoba
R3T 2X5 Canada
(204) 269-3234

ADAM and smartBASIC T.M. Coleco, Inc.

Current ADAM Books

Learning Together with ADAM
McGraw-Hill

ADAM Games and Recreation
Prentice-Hall

ADAM SmartWriter Word Processing User's Guide
Prentice -Hall

Kids, Basic, and the Coleco ADAM
Prentice-Hall

The Practical ADAM: A Family Guidebook
Prentice-Hall

Using your Coleco ADAM: Beginning BASIC and Applications
Prentice-Hall

ADAM User's Guide
Robert J. Brady Co.

ADAM'S Companion
Avon Books

ADAM: An Introduction to the Operating System, Basic Programming & Application
Robert J. Brady Co.

The Home Computer System
Banbury Books, Inc.

Can I Play with the Computer, too?
Coleco ADAM edit preschool
Banbury Books, Inc.

Colceo ADAM User's Handbook
Ballantine Books

Discovering Science on your ADAM with 25 Programs
Tab Books Inc.

Hey, let's play with the ADAM!
(Children's Book 4-6)
Banbury Books, Inc.

How to Use the Colceo ADAM
Dilithium Press

Joy of Basic for the ADAM
Robert J. Brady Co.

Mastering the Coleco ADAM
New American Library

Programming ADAM: Home Applications in the Basic Language
Banbury Books, Inc.

Smartbasic for the ADAM
Robert J. Brady Co.

The Basic ADAM
John Wiley Press

The Coleco ADAM Entertainer
Osborne/McGraw

The Easy Guide to Your Coleco ADAM
Sybex Inc.

The First Book of ADAM the Computer
Tab Books Inc.

The First Book of ADAM: Using and Programming the Coleco ADAM
Pamela Roth

Things to Do with Your Coleco ADAM Computer
New American Library

Thirty-Two Basic Programs for the Coleco ADAM
Dilithium Press

Using and Programming the ADAM Including Ready-to-Run Programs
Tab Books Inc.

Word Processing with Your ADAM
Tab Books Inc.

Word Processing with Your Colceo ADAM
Sybex Inc.

How to Use the Coleco ADAM
Alfred Publishing Co.

Programming the ADAM Computer with Ready-to-Run Programs
Prentice-Hall

Understanding ADAM the Home Computing System
Banbury Books

ADAM User's Guide
Prentice-Hall

Basic Basic Programs for the ADAM
Tab Books, Inc.

Word Processing with Your Colceo ADAM
Sybex Inc.

421-4290

Coleco Corner

by John Reese
Coleco Mktg. Mgr., Computer Division

A number of you have asked what Coleco is doing to get out as much software as possible to ADAM owners. As of this moment, there are 18 software titles being shipped by COLECO exclusively for the ADAM computer. There are more than 17 additional sources of product available from third party suppliers... and the list is growing. And, all Colecovision education and entertainment cartridges work on the ADAM computer.

Demand for this software has been very high, and in many cases we are backordered for one to two months. We are trying very hard to catch up to orders.

Some of the national retailers that carry the complete Coleco line are: MONTGOMERY WARDS, TOYS-R-US, CHILDWORLD and the MARKLINE Catalog (800-225-8390). HONEYWELL is now carrying the ADAM product line. The Honeywell toll free number is 800-225-7930 (8 AM to 5 PM). If these retailers are out of stock, you may also try our toll free number, 1-800-842-1225 (8 AM to 10 PM). Our 800 number has products available about 1 to 2 months after we first ship the product to retailers.

If you should write to Coleco requesting information or to state a problem, it will take anywhere from two to eight weeks for you to receive a reply. However, there is a way that you may get your answer more quickly. If you have more than one request or problem, send them to us in separate letters. Since all requests are not handled by the same department, letters that have more than one request may be handled more than once by many different people. Each person may take a week or so to answer his own part of the letter.

I would like to find out if you have an interest in a RS-232/Centronics combined interface for ADAM. This would allow you to connect many devices, including other printers to ADAM. Drop me a line if you are interested, care of AUGment. Tell me what you would connect to the interface, and the most you would care to pay.

Game Review

Product: Black Gold
Manufacturer: Image Microcorp
Requirements: ADAM
Media: Data Pack or Disk
Warranty: Will be replaced if found defective.
Price: $24.95 at M.W. Ruth Co.

If you've been waiting for a program for your ADAM, I mean a <u>real</u> program, then your wait is over! Image Microcorp has just released three programs for the ADAM that I would never think of parting with. The programs are written in computer language, not SmartBASIC (although there are some BASIC routines), so you don't need to load BASIC first.

One of these programs, BLACK GOLD, is a board style game for one to four players where you can pretend to be J.R. drilling for oil. On screen you have a map of the land you can drill on, information about the land (cost to drill, taxes), player's net worth, and an oil well. You can decide whether or not you want to drill, how deep to drill, and you can stop at any time. Once you have chosen land to drill on, or not to drill on, it is coded with a color that reveals its probable profits range (how close it is to the center of the oil field). If you are lucky enough to hit oil, then you are rewarded by getting to see the well spray a fountain of that most precious natural resource that you seem to have dedicated your life to finding. You, of course, also get the money you earn each week from the well. As the well starts to run dry, and you are paying more in taxes than what the well is producing, you can choose to sell it. After each turn your portfolio is displayed where all your financial information is kept and changed each week (one turn). The main objective of the game is to become filthy rich in ten weeks (turns).

The graphics, sound effects, and game play make this program an all-around winner. It is a joy to play, especially with four people, and I highly recommend it.

Steve Chamberlain
The (717) ADAM Users' GROUP
120 E. 4th Street
Bloomsburg, PA 17815

ADAMLink Review

In one of his fond similitudes in An Anatomy of Bibliomania, Holbrook Jackson calls books a window from which the soul looks out. Applying the similitude to computers, we might say the modem is the user's window to the world of telecommunication. Through it he can glimpse a varied landscape of great extent and complexity. Coleco has opened the window for ADAM owners with its ADAMLink modem and accompaning software. Since this package comes in two parts, let us consider each independently, starting with the firmware.

The modem itself looks like an oversized videogame cartridge. Indeed, one installs it in a slot as he would a "Zaxxon" cartridge. The difference here is that the modem fits into expansion slot number one inside the memory console lid. The ADAMLink is connected to the phone line with a length of telephone wire provided by Coleco. One of the familiar telephone block connectors is attached to one end. The user plugs this into a phone jack. The other end of the wire is equipped with an eccentric plug thin enough to pass through one of the vent slits in the lid of the memory console and into the modem. The device provides a neat and nearly invisible connection to one's phone service. We can congratulate Coleco on the fine job of designing the modem. However, one could only wish the same neatness and efficiency extended to the software.

Coleco encloses a data pack with each modem. When loaded, the program displays the familiar row of blue SMARTprompts across the bottom of the monitor. This familiar format makes the program easy to operate, since the user has gained experience with the prompts on SmartWRITER, SmartFILER, and other SmartSoftware.

Although Coleco's telecommunication software is simple to use, it just doesn't do enough. It lets one dial databases and other users from the keyboard, a convenient operation to be sure. But after the contact is made, there is no way one can download files or programs to his disk or data packs. Nor is there a way for him to upload stored files from his terminal.

We can only lament the omission of these two features which would have made ADAMLink an ideal package for the price. As it is, Coleco's telecommunication software frustrates the user who wants to take more advantage of his modem than the program permits.

Coleco has opened the window to the wide world of computer databases and user interaction. But the vision it has given us is nearsighted and obscure. We can only hope that it will revise its program and enlarge it or that a third party will write a program that will give us a more interactive perspective of the fascinating country beyond our terminals.

ADAMLink from Coleco Industries. $99.95.

Richard Weiderman
12259 Franklin SE
Grand Rapids, MI 49506

(Ed. note...We have been advised by Coleco that your hopes will soon come true. A new version of ADAMlink software that will allow uploading and downloading and that will contain other features such as automatic re-dialing is being prepared as of this writing.)

Disk Drive Review

The Disk Drive is easily hooked up to your ADAM memory console. It gives you faster storage and recalling time, and it is reliable. The disk is 5 1/4" single sided, double density. It holds up to 160 kilobytes of text.

Operating the disk drive is simple. After you have turned it on, you insert a disk into the slot. You should put a label on each disk to ensure that you are inserting it correctly and the write-protect notch is on the left side when you are inserting it. To shut the drive latch, push the latch down, and then pull it out. To open the latch, just push the level up and in. There is a spring that will make the disk pop out automatically.

(continued)

The disk drive comes with a Disk Manager (the Disk Operating System, DOS), which has many uses. You can run SmartWRITER and SmartBASIC programs through the Disk Manager. You can format disks and make copies: from the data pack to the disk, or from the disk to the data pack, or from disk to disk. This is a very good feature; in case anything happens to one disk, you always have another. If you copy text onto the disk, you don't have to keep switching from the data pack to the disk. Instead, you will be using only the disk.

Another good feature is that you can delete a file or the entire disk either when your text gets outdated or if you no longer have any use for it, in which case you can use the space for other information. Also, while you are copying a file , you can rename the file for your own convenience. Then, when you are finished using the Disk Manager, you can just press escape/wp key and go into SmartWRITER.

The owner's manual provides excellent installation instructions. They are very clear, easy to understand, and accompanied by good illustrations. Also provided is excellent documentation on all these features, with examples.

Random Numbers

For those ADAM users interested in generating random numbers, you will be pleased to find that it can be done! The short program was taken from an excellent book, Programming ADAM by Edward B. Claflin and John A. Heil, published by Banbury Books, Inc.

The authors explain that you have to first introduce the program with a random number that has a negative seed:

```
2 PRINT "NUMBER": INPUT n
5 a = RND(-n)
10 FOR k = 1 to 3
20 PRINT RND(1)
30 NEXT k
```

I hope other users will find this information useful in their programming.

Denise Goyden
106 Abernethy Drive
Trenton, NJ 08618

ADAM in LOGO-Land

A LOGO program is a set of small procedures working together to accomplish a task. For example, you might have a LOGO procedure which draws a square:

```
TO SQUARE

REPEAT 4 [FORWARD 50 RIGHT 90]

END
```

The words REPEAT, FORWARD, and RIGHT are words which LOGO already knows about. The above procedure will cause the turtle (a LOGO creature who can move around the screen) to go forward 50 steps and turn 90 degrees to the right, it will do this four times. One you have defined a procedure, LOGO treats it just like any other word. For instance, if you wanted to draw a square interactively, all you would have to type is:

```
SQUARE
```

Or if you wanted to draw two squares next to each other, you could define a procedure called TWOSQUARE:

```
TO TWOSQUARES

SQUARE

RIGHT 90 FORWARD 50 LEFT 90

SQUARE

END
```

The above is intended just to give you a taste of how easy it is to use LOGO.

In future articles, I hope to give you some ideas and translate BASIC programs (such as the one in November - December issue which plots three-dimensional objects on the screen) into LOGO so you can see how versatile it is. I will try to answer all questions.

Barry L. Wallis
2140 Bessant Street
San Bernardino, CA 92404

* * *

Basic Input-Output

by Gary West

PART 1

Computer programs, whether for mainframes or for PC's, use the computer's input/output system in order to communicate with whoever is requesting information. The input/output system is sometimes called the BIOS, which is an acronym for Basic Input Output System. Without the BIOS, computers would be worth very little to those of us who don't understand machine language and who don't know how to read hexadecimal or binary notation.

Yet there are many of us who don't understand those things but who want to write programs for our ADAMs. For the ADAM, the input/output (abbreviated "I/O") processes are easy to understand and easy to use. There are only a few commands to know and a couple of simple concepts to master before using the sophisticated input/output processes that are part of SmartBASIC, the ADAM's interactive language. (By "interactive," we mean simply that you can communicate with the ADAM by use of its BASIC language.)

There are only two BASIC commands that you need to know in order to input information for the ADAM to use and to have the ADAM output information for you to use. Those commands are:

INPUT and OUTPUT.

The PRINT command is used in BASIC programs to tell the ADAM to output information for us (the humans) to see. In its basic form, the PRINT command sends information to the screen. The following short program will illustrate:

```
10 REM PROGRAM 1
20 PRINT "TYPE YOUR NAME AND PRESS THE
   <RETURN> KEY:":
30 INPUT N$
40 HOME
50 PRINT "IT'S NICE TO KNOW YOU, ";N$
60 END
```

Each of the PRINT statements in the above program send information to the screen. That is an output process.

The ADAM will also output information to the printer and to a data pack (or to a floppy disk). The command for sending information to either of those devices is the same as for sending it to the screen: It's the PRINT command. However, in order to tell the ADAM that it is to print somewhere other than the screen, your program must include a statement that names the device to be used. Without such a statement of device, the ADAM will assume that your program is naming the screen.

To cause your ADAM to use the printer, you must name the printer using the PR# statement. To turn the printer on (from within your program), you would use the PR#1 statement before the PRINT command. To turn the printer off, you would use the PR#0 statement after whatever is to printed.

Using PROGRAM 1 (above), you can see an example of this. Add these lines to that program and run it, again:

```
45 PR#1
55 PR#0
```

When the program runs, this time, you will be asked (from the screen) to type in your name and to press the <RETURN> key. Then, the screen will clear (from line 40) and the message in line 50 will be printed on the paper that you were supposed to remember to put in the printer.

[Gary West is an educator for Allendale County (SC) Public Schools. He has written a book, The Joy of BASIC for the ADAM, published by Robert J. Brady Company.]

Info Needed ... NOW

No news yet on the I/O for another printer. If you feel that it is important to be able to hook up to a dot matrix printer or to another computer, write to Coleco (see Mr. Reese's COLECO CORNER column) or ... write to AUG and we will let them know about it.

Also let us (them) know the price you feel you should pay for the universal interface. This is important, so why not do it right now?

CP/M Arrives

We just received our copy of the new ADAM CP/M and although we did not have enough time to check it out fully, our first impression was ... GREAT!

In the next issue of AUGment we will have a complete evaluation and the start of a new column named CP/M STUFF. Meanwhile we have learned of a new source of CP/M software. The following is a letter from that source.

Dear Adam Users' Group:

Westico supplies the following software for the Coleco Adam micro computer:

BUSINESS MANAGEMENT
Datebook; Priorities; Market Pro.

TELECOMMUNICATIONS
Ascom; Mailcom.

DATA MANAGEMENT
Condor Series 20, Condor 20-1; dBase II; Postmaster.

SCIENCE AND ENGINEERING
Electronic Circuit Analysis

LANGUAGE PROCESSORS
Microsoft Basic; Microsoft Basic Compiler; CBasic-80; CB-80; M2CBasic; C Programming Language; BDS C; Microsoft Cobol; Fortran-80;Janus/Ada-80; Macro-80; muLISP/muSTAR; muMATH/muSIMP; Pascal/MT+80; PL/1-80; Smal/80; XASM Cross Assemblers.

MISCELLANEOUS
CP/M Workshop; TYPEQUICK; Media Transfer Service; PSORT; Supersort; ULTRASORT-II; String/80; String/80 Source Code.

PLANNING AND ANALYSIS
T/Maker III; Multiplan; Planfin; Profin; Real Estate Appraisal Package; Real Estate Overlays for Multiplan; Real Estate Commercial Analysis for Supercalc; Financial Planning Mind Tools for Multiplan; Financial Planning Mind Tools for SuperCalc; SuperCalc; BUYSEL; Tax Planner; dGraph; MicroGANTT; MILESTONE; STATPAK.

(continued)

DEVELOPMENT TOOLS
Access Manager-80; BPSxref; Display Manager-80; DR Assembler Plus Tools; DUTIL; LYNX; M/SORT; MicroTools; QUICKCODE; SpeedProgramming Package-80; VEDIT-80.

WORD PROCESSING
WordStar; MailMerge; StarIndex.

The above software packages are listed with details in the catalog that is supplied with each Adam with the CP/M option at the time of purchase. Extra copies can be obtained direct from Coleco or from Westico. Demo models of several of these packages will be set up and operating at the CES show in Las Vegas in January. Westico configures these software packages to facilitate their easy operation on the Adam computer to suit the particular business application needs of the user.

James D. Maloney, Sales Manager
Westico
25 Van Zant St.
Norwalk, CT 06855

(Ed. note ... You can use your ADAMLink modem to call Westico's Bulletin Board. The number is 203-853-0816. This board is set up for 300 Baud at 8 bits.)

AUGment Articles

As you can see, most of the articles and letters in this issue have been contributed by our members.

This is your newsletter and your meeting place for getting to know other ADAM users around the world.

For a limited time we will send a bumper sticker or a pin to any member who sends us an article or a printout of a program that we use in AUGment.

Please do not send us articles or programs that have been copied from other publications. We want to offer our members material that is original, not something they may have seen somewhere else.

Send all articles to ADAM PINS % AUGment, P.O. Box P, Lynbrook, NY 11563. Deadline for the next issue is February 5, 1985.

Bob's Business

In the last issue we plotted a stock, Warner, for 11 days. This month we will plot a stock for 54 days and analyze the results.

```
 5 HGR
 10 HCOLOR = 3
 20 N = 55
 25 DIM z(n)
 40 DEF FN vlu(z) = 420 - z * 11
 50 FOR r = 1 TO n: READ z(r): NEXT
 60 FOR r = 1 TO n - 1: HPLOT r, FN
    vlu(z(r)) TO r + 1, FN vlu(z(r+1)):
    NEXT
 65 DEF FN vlu(m) = 420 - m * 11
 75 FOR r = 1 TO 4: READ m(r): NEXT
 80 HCOLOR = 12
 85 FOR r = 1 TO 4: HPLOT 1, FN vlu(m(r))
    TO 200, FN vlu(m(r)): NEXT
 90 PRINT "This is Lorimar.  $24 - 36 in
    $4 intervals."
130 DATA 30.75,30.625,30.375,30.375,30,29.75,
        29.75,29.25,29,29.625,29.625
135 DATA 30.125,30.625,31.625,32.25,32.25,
        31.875,31.5,31.875,30.5,29.125,29,
        29.125,29.375,29.5,29.5
136 DATA 29.875,30.125,30.375,31,31.125,31.5,
        31.375,32.5,32.5,33,33.625,33.875,
        34.5,34.625,34.5
137 DATA 34.625,34,33.5,32.75,32.75,33.625,34,
        34.375,34.625,34.375,35,35,33.625,
        33.625
170 DATA 24,28,32,36
```

Line 20: n=55. We will plot Lorimar's closing quote for the last 54 days. Remember, n=(days plotted PLUS ONE).

Line 40: we chose our formula for Lorimar so that we can legally plot closing prices between 24.54 and 38.18.

Line 65: Repeat Line 40, replacing z with m.

Lines 130 through 170: we have moved our data statements to the end of the program to "clean it up." Be careful of your periods and commas. Note on Line 137 that the last close (33.625) is entered twice.

We will note three points of technical analysis at this point:

(continued)

1. The double bottom -- the two low closes that form a "W". Technical analysis says that this is a positive formation which indicates a big rise in price after forming the right leg of the W.

2. Higher highs. ADAM will now connect these higher highs for analysis. To connect the higher highs, do this: look at the data. The first high before a drop is 32.25; this is in line 135 and is the 15th closing price. The next high before a drop is 34.625; this is in line 136 and is the 40th closing quote. So, add this line to your program:

```
200 HPLOT 15, fn vlu(32.25) to 40, fn
    vlu(34.625)
```

This will connect the two highs; run the program to prove it. Next we want to extend the line to the right; since 15 to 40 is 25 days, add 25 to 40 to arrive at 65 being a point on our line; similarly, since 32.25 to 34.625 is 2.375, add 2.375 to 34.625 to arrive at fn vlu(37) as a point on our line. Line 200 becomes:

```
200 HPLOT 15, fn vlu(32.25) to 40, fn
    vlu(34.625) to 65, fn vlu(37)
```

Run the program. The line now extends to the right. If Lorimar's next high breaks through this line on the upside, the trend of higher highs is still intact.

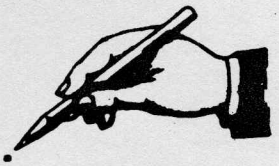
3. A trend of higher lows is also good. Using the same logic as in connecting our higher highs, the higher lows will be plotted by adding this line:

```
300 HPLOT 22, fn vlu(29) to 45, fn
    vlu(32.75) to 68, fn vlu(36.5)
```

Run the program. As long as the next low close does not break through the higher lows line, the trend of higher lows is intact, which is good.

In the next issue, we will analyze the sideways "V" being formed by the higher highs and higher lows lines, among other things.

Bob Trezevant
1122 Stewart #B
Chico, CA 95926



In Response ...

to your most frequently asked questions...

... When the printer stops in the middle of a program listing or during word processing, it may be because the platen (roller) is sticking. If this happens the printer logic assumes that the transfer is finished and everything stops. The way to solve this problem is to spread some petroleum jelly on the gear on the right side of the platen. You can also get the platen to continue to turn by manually forcing it to move during transfer just before it stops completely.

... When you are in BASIC, in order for you to load a program from the disk drive, you have to type LOAD <Filename>,D# (# is the drive number). When you want to save a program you do the same thing but you type SAVE<Filename>,D#. However, do not forget to save a program each time you finish typing it. Also, you can load BASIC through the Disk Drive. Just make sure that you have the BASIC data pack in the drive.

... SmartBASIC, SmartLOGO and Coleco games from a digital data pack cannot be transferred onto another data pack or disk because they are write-protected programs.

... The new disk drive will NOT run Apple disks or programs.

... At the moment there are no bulletin boards for the ADAM. Many ADAMLink owners are using CompuServe to meet other ADAM users. AUG plans to have a national AUG Bulletin Board on line early this year.

... When using the disk drive, make sure that the lower (power) light is on. If it does not light when you turn on the switch, check the connector on the back and make sure it is in all the way. When the upper (drive) light is on, DO NOT remove the disk. Wait until the light goes out.

COLECO ADAM OUTLET

DATA PACK (Pre/Formatted Adam)	$ 3.95
DATA PACK (Pre/Formatted)	10/$37.50
DISKS (blank for Adam)	10/$19.95
DISKS (blank for Adam)	30/$56.85
Ribbon Cart. (Adam Printer)	$ 5.50
Daisy Wheel-Elite, Script, etc.	$ 5.50
Covers (3) Key, CPU, Printer	$18.95
Labels T/F-F/F (Address)	1000/$ 5.00
Labels T/F-F/F (Data Pack)	100/$ 5.00
PRINTER STAND - Front ON/OFF	$22.95

FREE CATALOG — everything for ADAM

DIABLO — It's here — The greatest mind challenge — All Graphic	$24.95
DISASSEMBLER — Now convert machine code into something readable	$34.95
THE STOCK MARKET GAME — A fun & educational board style game	$24.95
BLACK GOLD — Look for oil. Survey-profit-fun — 1 to 4 players	$24.95
MORSE CODE — Learn & Practice	$19.95
BOUNTY HUNTER — Text adventure	$24.95
TREK — Space text adventure	$24.95
SAVINGS & LOAN — Calculates	$24.95
HOME BUDGET PLANNING	$19.95
HOME FILE MANAGER	$19.95
PERSONAL CHECKBOOK MANAGER	$19.95
TAX1040/84 — Up-to-date 1984 changes. Change an entry and it refigures your taxes. Provides printout	$23.95
STATES & CAPITALS	$19.95
WORLD CAPITALS	$19.95
EBU — Extends Basic Utilities Package contains machine level routines that load into SmartBasic. Ex., renumber, 16 colors in text, etc.	$21.95
BONANZA PACKAGE — Not only useful & fun, but can show you some of the capabilities and routines of SmartBasic. 17 programs	$34.95
PARTY TRIVIA	$19.95
GEOMETRY I — Tutor/Drill	$19.95
GEOMETRY II — Tutor/Drill	$19.95
GRAPHIC ARTS — Paint, color, save	$19.95
ADAM DISK DRIVE	$279.95
ADAM LINK MODEM	$99.95
COMPU SERV — Starter Kit	$29.95
ADAM ENTERTAINER Book (sound)	$12.95
ADAM'S COMPANION — Book (updated)	$ 9.95

**** SPECIAL (Software Programs) ****

All software 10% off use Check/M.O.

All software 5% off use MASTER/VISA

Shipping & Handling — $2.50 *Fast Delivery*

M.W. RUTH CO. Dept. A15
510 RHODE ISLAND AVENUE
CHERRY HILL, NJ 08002
(609) 667-2526

DEALERS-WANTED PROGRAMS-WANTED

VICTORY FOR ADAM OWNERS!

Your quest for software has ended! Victory Software is here with an exciting line of ADAM products:

ADVENTURE PACK I
ADVERTURE PACK II
BOUNTY HUNTER
SAVINGS & LOAN
TREK

$24.95 each tape or disk

— PLUS —

We have blank tapes!
Same length and quality as Coleco's but cost only **$4.50** each.

Send for free catalog or order directly. Use checks, M.O.'s, VISA or Mastercard. Charges — include card # and expiration date. Orders under $9.00 add $1.50 postage. PA residents add 6% sales tax.

VICTORY SOFTWARE
50 SOUTH VALLEY ROAD
PAOLI, PA 19301
(215) 296-3787

Vendors

VIDEO TUNES for the ADAM
from
Future Vision
P.O. Box 34
N. Billerica, MA 01862

SURGE PROTECTOR
from
Brooks Marketing Corp.
3569 Bristol Pike
Bensalem, PA 19020

SOFTWARE for the ADAM
from
Extended Software Co.
11987 Cedarcreek Drive
Cincinnati, OH 45240

HARDWARE AND SOFTWARE for the ADAM
from
Adam Depot
419 Ridgeway Ave.
Johnsonburg, PA 15845

ADAM SOFTWARE
from
Star-Byte, Inc.
2564 Industry Lane
Norristown, PA 19403

ADAM SOFTWARE
from
Micro 2
P.O. BOX 5363
Glendale, AZ 85312

TRIVIA GAME
from
Tex Micro Inc.
3700 South Hopkins
Titusville, FL 32780

AUDIO VIDEO COLOR MONITOR
from
Sakata U.S.A. Corporation
651 Bonnie Lane
Elk Grove Village, IL 60007

* * *

The VENDOR column is not advertising. We will list as many vendors as space allows. These listings in no way represent our endorsement.

Library

The AUG library is starting to grow. Right now we are preparing to set up the contributed programs in special sections (Games, Adventure, Business, etc.). They will be available to members on either data pack or disk for $10.00 each.

If you are interested in getting any of the programs, send us a stamped addressed envelope and we will send you an up-to-date listing of what is in the library. Write to AUG Library, P.O. Box P, Lynbrook, NY 11563.

Now that the disk drive is available, you can send us your programs on either data pack or disk. When you do, please let us know what disk or data pack you would like from our library.

In the last issue we explained how to copy your programs onto data pack. You can use the same method for copying onto disks, or you can use the DISK MANAGER program that comes with the disk drive.

With the new ADAM CP/M you can use the copy or back-up program. You can also use the PIP.COM program to copy special files.

If you have any special information that you would like to say about the program, write a READ.ME file using the word processor and copy it to the data pack or disk.

REMEMBER ... DO NOT SEND COPYRIGHTED PROGRAMS OR PROGRAMS COPIED FROM OTHER PRINTED MATERIAL unless it is stated that they are Public Domain programs.

In future issues we will list and describe the programs that we have in the AUG library.

MEANWHILE ... keep those great programs coming. You will make many AUGgies happy that they have their ADAMs.

DO IT NOW !

Chapter News

Do you want to meet other users in your area? Contact the following members directly.

TRI-ANGLE ADAM USERS
Contact: Gary E. Hill
L-5, Oak Grove
Chapel Hill, NC 27514

DOWNTOWN MINNEAPOLIS AUG
Contact: Thomas C. Gilmore
1424 West 33 Street
Minneapolis, MN 55408

J.A. Girard
1420, Ave Langevin Sud
Alma, Quebec, Canada G8B 6B1

Frank Fleich
13381-19 Magnolia Avenue
Corona, CA 91719

Perry L'Herault
61 Cosby Ave
St. Catharines, Ontario, Canada L2M 5R7

Mike Laurier
7350 Roi Rene
Anjou, Quebec, Canada H1K 3G6

If you wish to start a chapter in your area, send a stamped, sel-addressed envelope for our TIPS booklet. It contains information on selecting a meeting place, starting a library and a newsletter, setting agenda, deciding on dues, and adopting bylaws.

National AUG can help you contact other ADAM users. Get the zip codes for the area you wish to cover. Send them to AUG, Box P, Lynbrook, NY 11563. AUG will send you the number of ADAM users in that geographical area. Prepare the same number of Postal Service postcards with the information you want prospective members to receive. We will affix labels to the cards and mail them for you. (We do not send names and addresses of any members to anyone. It is the policy of AUG to maintain the privacy of its members.)

ADAM™ COMPATABLE PRE-FORMATTED BLANK C-250 DATA CASSETTES
Quality data cassettes, ready to use on your computer. Why pay more? ONLY!

$3.75 each

(when ordered in lots of 10) +$2.50 per lot for shipping and handling. For orders in quantities less than 10, send $4.50 each + $1.50 each order for S/H.

PRINTER LEGS AND SWITCH ACTIVATOR: Legs raise printer 3.75" to allow fanfold paper underneath. Activator moves control of on/off switch to front of printer. No electrical modifications. $22.95 + $2.00 S&H.

SWITCH ACTIVATOR: $12.95 + $1.00 S&H.

DUST COVERS: 3 Piece, tan lightweight nylon cloth. $21.95

EDUCATIONAL PROGRAMS
Data cassette with: Capitals and states, Annuity, Calculator, and Spelling quiz. Get all for $6.95 + $1.00 shipping & handling.

DATAFILER CASSETTE: $6.95 + $1.00 S&H

DATA DRIVE HEAD CLEANER PADS: 10 @ $5

To order, send name, address, and zip code, with a cashier's check or money order (personal checks require 3 weeks to clear) to

DATA BACKUP
BOX 335 IONA, IDAHO 83427
(208) 523-2505

Idaho residents add 4% sales tax. Canadian residents, add 5% U.S. each order for shipping & handling.

For more information send self addressed stamped envelope

ADAM is a registered trademark of Coleco Industries Inc.

Products for the ADAM computer.
DATA BACKUP
BOX 335 Iona, Idaho 83427

This coupon worth $5.00 towards the purchase of the printer leg set with remote switch activator for the ADAM™.
Return this certificate with order.
Expires 3-31-1985

NAME _____
ADDRESS: _____
ZIP _____

Regular advertised price is $22.95 + shipping and handling. Include check or money order for $17.95 + $2.00 shipping and handling. Idaho residents add 4% tax. ADAM is a registered trademark of Coleco Industries Inc.

AUGment is an AUG membership newsletter published 6 times yearly. The following rates apply:

U.S. & DOMESTIC $12.00
CANADA & MEXICO .... $17.00 (U.S. FUNDS)
INTERNATIONAL ..... $22.00 (U.S. FUNDS)

Back issues, when available, are $3.00 each (sent prepaid). Send payments to: Adam Users' Group, Back Issues, Box P, Lynbrook, NY 11563 .... Circulation number - (516) 746-0066.

Al Gerson, Editor and Publisher

Although it is a policy to check material placed in the AUGment for accuracy, AUG offers no warranty either expressed or implied and is not responsible for any losses due to the use of any material in this newsletter. Articles which are submitted by users and published in AUGment, and which describe hardware modifications, are not supported by Coleco Industries, Inc.

AUG is provided as a service to its members for the purpose of fostering the exchange of ideas to enhance the usage of the ADAM Computer. As such, little or no evaluation of the programs or products advertised is performed by Coleco Industries, Inc., in general, and AUG in particular. The prospective user is hereby put on notice that the programs may contain faults, the consequence of which Coleco in general and AUG in particular cannot be held responsible. The prospective user is, by virtue of obtaining and using these programs, assuming full risk for all consequences.

AUG is in no way affiliated with Coleco Industries, Inc., other than its need to receive the latest up-to-date information from the company regarding the ADAM Computer.

Advertising rates & information, Bob Abrams (516) 621-1690

COPYRIGHT© 1985 ADAM USERS' GROUP, INC.

ALPHA-1

DISCOUNT HOME COMPUTER SUPPLIER

1671 EAST 16th ST., SUITE 146 • BROOKLYN, N. Y. 11229

COMPUTER PERIPHERALS FOR THE ADAM

ADAM 5¼ DISK DRIVE	$275.00
ADAMLINK DIRECT CONNECT MODEM	$ 95.00
ADAM 64 K MEMORY EXPANDER	$179.00
EXTRA DIGITAL DATA DRIVE	$169.00

COMPUTER SUPPLIES FOR THE ADAM

PICA 10 DAISY WHEEL	$ 5.95
COURIER 72 DAISY WHEEL	$ 5.95
PRINTER RIBBON FOR ADAM	$ 5.95
DUST COVER FOR THE ADAM (Vinyl Brown 3 Piece—CPU,KYBD,PRT)	$ 19.50
COLECO DIGITAL DATA PACK	$ 6.00
ADAM ACCESSORY KIT (3 Diff. Daisy Wheels, Blank Data Pack, Prt Ribbon, Head Cleaning Kit)	$ 33.00
MAXWELL 5¼ SS/DD DISKS (10)	$ 21.00
ADAM MONITOR CABLE	$ 10.95

VICTORY SOFTWARE FOR THE ADAM

BOUNTY HUNTER (DP)	$ 22.00
SAVINGS & LOAN (DP)	$ 22.00
TREK	$ 22.00
COMPATIBLE PRE-FORMATTED BLANK DATA PACKS BY VICTORY EACH	$ 4.50
TEN OR MORE PACKS EACH	$ 3.75

SUPER SKETCH BY PERSONAL PERIPHERALS

INCLUDES A CONTROLLER PAD AND A SOFTWARE CARTRIDGE	$ 49.00

COLECO SOFTWARE FOR THE ADAM

SMART LOGO (DP)	$65.00
SMART FILER FILING SYSTEM (DP)	$22.00
EXPERTYPE (DP)	$39.00
SMART LETTERS & FORMS (DP)	$25.00
DONKEY KONG (DP)	$31.00
DONKEY KONG JR. (DP)	$31.00
ZAXXON (DP)	$31.00
ELECTRONIC FLASHCARD MAKER (DP)	$31.00
*FLASH FACTS — TRIVIA (DP)	$15.00
*FLASH FACTS — VOCABULATOR (DP)	$15.00
*FLASH FACTS — AMER. HISTORY (DP)	$15.00
RICHARD SCARRY'S WORD BOOK (DP)	$31.00
TELLY TURTLE (ROM)	$29.00
SMURF PAINT & PLAY WSHOP (ROM)	$29.00
BRAIN STRAINERS (ROM)	$25.00
DR. SEUSS FIX-UP PUZZLER (ROM)	$30.00
MONKEY ACADEMY (ROM)	$29.00
DRAGON'S LAIR (DP)	$31.00
ADAMCALC (DP)	$39.00

** NOTE Flash Facts Requires Electronic Flashcard Maker*

PARALLEL SYSTEMS SOFTWARE FOR THE ADAM

HOME BUDGET PLANNING (DP)	$17.00
PERSONAL CHECKBOOK MANAGER (DP)	$17.00
HOME FILES MANAGER (DP)	$17.00
STATES & CAPITALS GAME (DP)	$17.00
WORLD CAPITALS GAME (DP)	$17.00
GREAT INVENTIONS GAME (DP)	$17.00

FOR MORE INFORMATION OR TO BE INCLUDED ON OUR MAILING LIST SEND A SELF-ADDRESSED STAMPED ENVELOPE TO THE ABOVE ADDRESS.

— THANK YOU —

ORDERING & TERMS: Send cashier's check, money order, personal or company check. All orders shipped within the continental USA add $1.50 per order shipping charges. NY State residents must add sales tax. C.O.D. orders phone 718-336-7612. Orders shipped in 48 hrs.

ADAM USERS' GROUP, INC.

POST OFFICE BOX P

LYNBROOK, N. Y. 11563

BULK RATE
U.S. POSTAGE
PAID
Farmingdale, N.Y.
Permit No. 51

ADDRESS CORRECTION REQUESTED