WELCOME TO THE LAND OF A U G

This is the first newsletter to be mailed to our members. Chances are that if you are reading this, you are one of our charter members.

Back in November 1983 we bought our first ADAM. We were already working with computers (Heath/Zenith and Kaypro) but wanted to see if ADAM was as powerful as advertised. As an ADAM user, you know that we were pleasantly surprised.

One of the missing links to ADAM was user support. So, back in December we approached Coleco with the idea of starting an ADAM USERS' GROUP. After working with five different Coleco people, six months later we were finally given the "Go Ahead" along with a small list of ADAM users.

First, we had to overcome the problem of reaching you and getting you to become members. Second, was getting you to respond to our request for contributions to AUGment that would help other members. This is where your response has been most gratifying. Some of you have already written to us with suggestions, articles and programs that appear here in our own newsletter.

Our membership application serves as a questionnaire to help us find ways to serve you better. (See SURVEY inside.)

Some of the mail we received asked if we were affiliated with Coleco and if we could use our influence to get them to respond to your problems and complaints.

Although we are completely independent, we do have an ear at Coleco, and copies of those letters were forwarded to West Hartford, CT.

The land of AUG is no "Bed of Roses." It is more a tangle of undergrowth that will be cleared with your help. We, too, will attempt to tame this jungle with avenues of information such as:

1) A better understanding of SmartBasic with the help of tutorials.

2) Reviews of both hardware and software available for the ADAM.

3) Word Processing helps for the writer and the student.

4) Information about new local AUG chapters around the world.

5) Information about new ADAM products ... when and where they will be available.

As the new year appears on the horizon, we at AUG wish you and yours health and happiness. May the land of AUG become a garden filled with the fruits of satisfaction.

enter ...

AUG MEETS ADAM

Ever since we purchased our first ADAM we felt a need to know more about ADAM's parents, The Coleco Corporation. After some initial phone calls, we were invited to visit with ADAM at the New York Toy Fair in February. There we saw many demonstrations of the then NEW software. Some good, some not so good, but the future did not look too bad.

Our next meeting was in West Hartford CT at Corporate headquarters. Here we talked about the mutual benefit of a National Adam Users' Group and we were given a small list of ADAM owners to be used to create AUG. Although the list required a lot of refinement, we managed, with your help, to start a network of ADAM user members.

During this time, in June, we visited the Consumer Electronics Show in Chicago. There we were REALLY impressed with Coleco's presentation of the ADAM Computer. This was no Toy Fair. Here we were able to work with ALL the software and hardware that Coleco would be shipping the last quarter of 1984.

We worked (played?) with Smurf, Logo, War Games, Flash Cards, SmartFiler, Letters, SmartCalc and many more. We also had the opportunity to work with AdamLink, the modem, and talk to other groups via the telephone and CompuServe.

Not only was the disk drive there and working but it was using the CP/M operating system. The system was an expanded version and looked and worked better than some CP/M versions we've seen. In fact, some of the CP/M commands were usable through ADAM's function keys.

Coleco also demonstrated a plotter operated through an RS232 serial port and it performed very well.

We spent two days at the Coleco booth and we learned more about the future of ADAM than anyone could have told us.

We still meet at Coleco headquarters from time to time so that we can have up-to-date information on ADAM to pass on to you.

* * *

SURVEY

In order to join the ADAM Users' Group, you were asked to fill out an application. We need this information for two reasons.

One is to help us determine where your interests lie and two, to let Coleco (and other vendors) know what your needs are.

We thought you might be interested in the results, so here they are.

The percentage given is the percentage of those who answered that particular section of the application.

The ADAM is being used for:

```
        Games...............72%
        Writing.............71%
        Education...........63%
        Business............38%
        Home Budgets........31%
```

Programs you would like to see developed for the ADAM:

```
        Business............76%
        Games...............55%
        Teaching............35%
        Graphics............17%
        Music...............14%
        Language........... 9%
```

Additional hardware you would like to see developed for the ADAM:

```
        Disc drive..........67%
        Modem...............53%
        Dot matrix printer..18%
        80 column card......17%
        Monitor.............11%
        Mouse – Koala....... 7%
```

...And our favorite: Would you like to contribute articles to the newsletter?

```
        YES.................37%
```

By the time you read this survey, some of your requests will have been answered. The modem (ADAMLink) and the disk drive should be available at stores.

As for the 37% of the members who said they would contribute to the newsletter, we thank you in advance. Don't let us and our members down.

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Box P

Dear AUG,

Thank you for the opportunity to join AUG. I look forward to a long and fruitful relationship with AUG and its members.

In October The Brady Company will release a book that I've written, The Joy of Basic for the ADAM. It will be approximately 350 pages and is designed to take the reader from PRINTing on the screen to WRITEing and READing files to and from the data-pack.

Again, thanks for the opportunity to share with other ADAM users.

Gary West
P.O. Box 217
Allendale, SC 29810

[Ed. note: Look for Gary's article, "Programming the SmartKEYs," elsewhere in this issue.]

* * *

Dear AUG,

It is more than slightly disturbing to people such as myself, who had great faith in Coleco, and either ordered in advance or bought a unit as soon as released, to see company bonuses or offers made later, to entice "strangers" to buy, when we, actually helping the company to get "off the ground" with a product early in the game, get no recognition or favors that "strangers" now get. (For instance, buy now and get a Cabbage Patch doll.) What did we get then, trusting an unproven product? So far, the company appears to have left us stranded. Perhaps the company has forgotten us. It would not be out of line to suggest that the company "remember" their early customers with a personal "offer" or "bonus" for them only.

W.E. Bolay
5101 E. Cortez
Scottsdale, AZ 85254

Dear AUG,

I am excited about an ADAM USER'S GROUP. I know that sharing ideas with other ADAM owners will be both fun and informational.

There are a couple of things that concern me, however. First of all, your application form asks for more information than I see a need for. I feel that personal information such as the date we got our ADAM and the serial number is nobody's business but our own. (I realize that this a Personal Computer Group, but let's not get personal!)

Secondly, I know that the stats are against new small organizations. Some of my thoughts are: "Gee, if AUG goes 'down the tubes,' does that mean my 12 bucks go down with them?" and "This sounds great, but are these people legit, or just offering empty promises?"

All in all, I am interested in your response to my concerns. I realize that you may take offense to parts of this letter, but I trust that you, as a fellow consumer, can understand some of my concerns.

Steven A. Hurst
8659 Grande Pas
Kansas City, MO 64114

(Editor's note ... The reason we ask for the date and serial number is so that we have a fair idea as to when certain problems appeared .. and disappeared .. in the ADAM. As for "legit," we have already invested in five computers, two winchester drives, three printers, plus an office and staff.)

* * *

Dear AUG,

If the ADAM uses the Zilog 8000 cpu, as I understand it does, then it is capable of using both 8-bit and 16-bit programs, as well as numerous other languages—CP/M, CCP/M, FCOS, etc. There should also be a far more sophisticated BASIC available, with the ability to program in assembly language.

Mike Sunderland
417 Prairie Street
Albion, NE 68620

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Dear AUG,

Last December I got my own little computer, the new Coleco ADAM, and set out trying to use it. I did find an adequate word processor which I can use, provided of course that I did all my own math, spacing, etc.

Then on to trying the booklet supplied: Programming with ADAM. This was a frustrating experience. What with all the errors and command omissions, I was making slow progress. I bought several little computer books and some simple programs to try to use SmartBASIC.

When I went out to bookstores to find some books suggested by the magazine Family Computing, I could find none. Possibly they were too new. However, I did find and buy for $12.95 a book that I would like to recommend to other owners who are as inexperienced as I am. It is The First Book of ADAM by Pamela J. Roth, published by QUE. I can now at least make the computer function, however simply, and can look forward to possibly writing a few programs that I would like to have and use.

Earl Grisdale
3909 Morrison Avenue
Tampa, FL 33629

* * *

Dear AUG,

Within the last four months my ADAM computer has been malfunctioning. I will type a business letter, push HOME to double check my spelling, and then push PRINT.

On the screen everything is in perfect order. All my sentences are correct. However, after being printed out, a sentence will be missing from the printed page. No extra spaces are put in, just a different sentence in its place.

Do any other ADAM users have this problem?

Jennifer S. Skidmore
1415 N Caminio Emiliano
Tucson, AZ 85745

Dear AUG,

I would like to communicate with other ADAM users in order to share programs. Here are brief descriptions of some programs I have written:

1) LABELS - prints return address or any other kind of label.
2) SUPER - home finance program ideal for the owner of a small business who desires to keep the personal checkbook and the business checkbook separate. Program presently set to handle 40 accounts. Automatically write checks on demand. Repetitive check-writing actions are taken care of by the program. Each check written is automatically categorized and recorded in the correct account (40 choices). Program prints personal check register and business check register on demand. Program lists expenses to date by account on demand. Other fantastic functions.
3) MERGE - merges files created by SUPER program above.
4) ACCUM - accumulates file data created by SUPER program.
5) ENVELOPES - addresses envelopes to correspondents. Never hand-address an envelope again!
6) IDAHO - that famous Idaho Squares game.
7) CHECKERS - a very good rendition of the famous game. Kids can't beat the computer, but adults can.
8) KIDQUIZ - quizzes your child on whatever subject. You write the questions and answers into the program.
9) MASTERMIND - quizzes your child and then rewards by letting the child play Mastermind if the desired percentage or right answer is given.
10) PORTRAIT - lets your child draw pictures on the TV screen, changing colors at will.
11) TABLES - insures that your child knows the math tables of your choice.
12) HANGMAN - a good rendition of the game.
13) TRUERANDOM - the way to make ADAM generate truly random numbers.
14) PIANO - converts the keyboard to a piano.
15) BOMBSAWAY - sound generator for games that you may want to write.

Steve Jacoby
Box 2498
Clearwater, FL 33517

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Dear AUG,

I thought the following program might help other AUGies.

Note: Type in the full line before hitting RETURN.

```
10 TEXT: VTAB 5
20 PRINT "This program is for the":PRINT:
   PRINT "visualization of three-":
   PRINT: PRINT "dimensional objects,
   formed"
30 PRINT: PRINT "by drawing straight
   lines": PRINT: PRINT "between a given
   random": PRINT: PRINT "distribution of
   a fixed"
40 PRINT:PRINT "number of points."
50 FOR m = 1 TO 12000: NEXT m
60 HOME: VTAB 5
70 PRINT "During the program use": PRINT:
   PRINT TAB(5); "'R' to Renumber":
   PRINT TAB(5); "&"
80 PRINT TAB(5); "'Q' to Quit": PRINT:
   PRINT "All other letters will": PRINT
   "generate a new figure."
90 FOR m = 1 TO 4000: NEXT m
100 PRINT: PRINT: PRINT "Please enter the
    number of ": PRINT "points (3-9) - ";
    : GET nu
110 IF nu < 3 THEN HOME: PRINT "That
    number is too low.": GOTO 100
120 HGR2: HCOLOR = 6
130 FOR t = 1 TO (nu-1)
140 n = RND(-n): DEF FN d(n) =
    INT(1+n*RND(1))
150 x(t) = FN d(244): y(t) = FN d(181)
160 NEXT t
170 FOR s = 1 TO t
180 IF s = t THEN z = (1-t): GOTO 200
190 z = 1
200 p = s+z
210 HPLOT x(s), y(s) TO (x(s))+10,
    (y(s))+10
220 HPLOT x(s), y(s) TO x(p), y(p)
230 HPLOT (x(s))+10, (y(s))+10, (y(p))+10
240 NEXT s
250 GET a$
260 IF a$ = "r" THEN GOTO 310
270 IF a$ = "R" THEN GOTO 310
280 IF a$ = "q" THEN TEXT: END
290 IF a$ = "Q" THEN TEXT: END
300 nu = nu: GOTO 120
310 TEXT: HOME: GOTO 100
```

Matt Coohill
652 East 14 Street
Bowling Green, KY 42101

Dear AUG,

First of all, good luck on the Users Group. We need to give each other all the backing we can. I had never used a computer before, but I like the way the ADAM helps people with no knowledge of using one. When I first received my ADAM, mid-December of 1983, I had the normal problems that everyone had with the first ones. This did not bother me too much, as Coleco was very cooperative in a speedy repair service to Honeywell. When you pay low dollar for a computer that comes with as many operations (games, a fairly fast cassette storage, letter quality printer, 80k, and numerous other items) and the manufacturer wants to make it right, I myself don't mind the short inconvenience I had.

One problem that kind of irritated me was when the store I bought the ADAM from did not try to back the ADAM at all. They received 25 or so units during mid-December, and all had the same problems. I called Coleco and they were very apologetic and wanted to give me a speedy repair, even paying for all shipping charges. I went back to the store where I purchased ADAM and saw that they had a defective unit on display. When I asked the salesman why he had the defective unit on display, he stated that he wanted to show people just what the ADAM really worked like. He never told me to call Coleco, he just told me to bring it back for a full refund. After he told me that, I told him about the repair service I was getting and was very happy about. He just shrugged his shoulders as if to say, "Oh, well, so what?" Really now, I hope this hasn't happened in every city and other stores. If that type of attitude was taken on all new items on the market, we probably would be computing by stacking rocks.

Let's all support the ADAM. With all the hardware coming out for it, I don't think you could buy any other computer that will do what the ADAM will for a comparable amount of money.

Dan Levitt
4525 S. White Pine
Tucson, AZ 85730

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Dear AUG,

Here is a program for charting stock prices for technical analysis, followed by an explanation.

```
5 HGR
10 HCOLOR = 3
20 n = 12
25 DIM z(n)
30 DATA 20.875,20.625,20.625,20.75,20.25,
   20.5,19.75,19.125,19.625
35 DATA 20.75,21,21
40 DEF FN vlu(z) = 360-z*13.5
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 vlù(m) = 360-m*13.5
70 DATA 16,20,24
75 FOR r = 1 TO 3: READ m(r): NEXT
80 HCOLOR = 12
85 FOR r = 1 TO 3: HPLOT 1, FN vlu(m(r))
   TO 200, FN vlu(m(r)): NEXT
90 PRINT "This is Warner.  $16 to $24 in
   $4 intervals"
```

EXPLANATION:

Lines 5, 10: Set up screen.

Line 20: This line is set so that n=(the number of closing price quotes you want to plot PLUS ONE).

Line 25: Sets up ADAM for data input.

Lines 30, 35: A listing of the closing price quotes over the past (n-1) days. THE LAST QUOTE MUST BE ENTERED twice. Notice that $21—the stock's latest closing price—is entered twice at the end of line 35.

Line 40: REQUIRES THOUGHT. You must pick a formula to the right of the equals (=) sign such that it will not allow the function to be less than 1 or greater than 150. The "z" in our formula is stock's closing price; thus, we have chosen 360-z*13.5, which will allow us to plot closing quotes between 26.66 and 15.55. If the stock closes above 26.66 you will plot off your screen, and if it closes below 15.55 you will plot off your screen. The solution is to change your formula.

Lines 50, 60: Plots the closing prices and connects them (i.e., draws your chart).

Line 65: Repeat line 40, changing z to m.

Line 70: These data are to scale your chart to draw reference lines. You should choose the data to encompass the high and low prices you expect your stock to close at. The warning of line 40 applies. Don't pick DATA that will plot off screen. In this case 15.55 to 26.66 is maximum range.

Line 75: The number of data points in line 70 (r=1 TO 3).

Lines 80, 85: Draws the reference lines.

Line 90: Will print the name of your stock (Warner Communications in our case) and will print a description of the reference price lines. The lower number ($16) is the lowest number in line 70, the upper number ($24) is the highest number in line 70, and the buy number ($4 in our case) is the distance between the data points in line 70.

UPDATING THE PROGRAM:

Line 20: Increase n by the number of closing quotes you will add to the database.

Line 35: Using the arrow keys, repeat all quotes through the last one. Replace the last one with your first additional quote; key in all additional quotes, repeating the last one TWICE. For example, to add two closing price quotes, 21.25 and 21.75: Type LIST 35 <return>, use the arrow keys to repeat old line 35 through the first "21," and type in 21.25,21.75,21.75 <return>. Note: the second 21 was removed and 21.75 was typed in twice.

Robert Trezevant
1122 Stewart #B
Chico, CA 95926

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ADAM MAKES NEWS

War Games: "The action is nonstop.... The graphics and sound effects are terrific, but the play action is the real star." Super Action Football: "The graphics are very good and they feature a scoreboard that flashes messages....
--Computer Games, November/December 1984.

Telly Turtle is "a remarkably clever and sophisticated cartridge...that proves that video-game systems can indeed be used as teaching tools.... Coleco deserves to be congratulated for finally introducing a video-game cartridge with legitimate, educational value."
--Steve Stecklow, Philadelphia Inquirer, August 19, 1984.

"A much better offering is Smurf's Paint 'n' Play Workshop by Coleco. This cartridge is based on the same principle of calling up and manipulating screen elements and succeeds beautifully."
--C. Holyoak, Desert News, Aug 15, 1984

"Tarzan [is] a highly graphic jungle hunt featuring the lord of the apes in four new adventures. Entertaining and playable."
--USA Today, August 7, 1984.

Star Trek: "Coleco has taken the Sega hit that has been produced for most major systems and made the best adaptation of the lot...." Antarctic Adventure: "This is a non-violent family game for virtually all ages.... [Its] most notable feature...is some of the best graphics seen anywhere in any game.
--C. Holyoak, Deseret News, Aug 1, 1984.

Of their [Coleco's] many top-notch summer releases, we admit to a special fondness for Bump 'n' Jump, where your car has to leap pools and puddles between spurts of forcing competitors off the roadway (and up in flames).
--Home Viewer, August 1984.

"The SmartLogo program developed for Adam is a new and wonderfully rich Logo, with unprecedented dynamic Sprite graphics. The inclusion of tutorial lessons for the first-time user is an especially welcome addition."
--Professor Seymour Papert of MIT, creator of the original Logo language.

"SmartFILER [is]...an easy-to-use data base which can be operated via the Smart Keys without having to pore over the documentation for hours.... From several standpoints, this is a very fine home database program. From total ease-of-use to the flexibility in searching and printing records, this is a great home utility program for the ADAM owner. We were impressed with the relative speed in searching and saving records, as we have worked with several very bulky programs which are somewhat slow and difficult to use. The only thing you'll have to use the documentation for is to discover all the nuances the program offers. SmartLETTERS & FORMS...is a breeze to use.... This is a fine program for anyone who likes to write but needs help with format and form.... Dukes of Hazzard is the newest game for the Driving Module and it's the best one yet! ...Features such as the Bootlegger Turn, jumping the hills, and screeching off into side streets take this far above 'just another driving game.' ...Run to your nearest store for the Module.... Antarctic Adventure is a charming game.... The graphics are exceptionally well done, with smooth transitions between scenes. The sense of depth is enhanced by shading and perspective, and the well-animated penguin is cute and appealing...." Tarzan: "The scenes are extremely realistic, both in gameplay and graphics, and we were particularly impressed with the graphics of Tarzan's swim across various waterways. There's plenty of varied action and strategy involved."
--Video Game Update, August 1984.

SmartLOGO is "beautifully documented and simple to use.... [It] has a mind-boggling 30 little moveable monsters and can display 16 different colors at once.... Of their [Coleco's] many top-notch summer releases, we admit to a special fondness for two racing games, ...Bump 'n' Jump, where your car has to leap pools and puddles between spurts of forcing competitors off the roadway (and up in flames), and Antarctic Adventure, where your 'car' is the fat little penguin trying to avoid seals and holes in the ice while skating along."
--Home Viewer, August 1984.

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BASICALLY ADAM

Although SmartBasic and AppleBasic are very similar, there are a few differences such as ...

The ADAM has trouble handling .00. For example, if you type 3.00, the ADAM will assume (incorrectly) that you mean a number slightly less than 3. If you type: PRINT 3-3.00

the ADAM will print: 9.31322574E-10

Since the ADAM thinks that 3.00 is slightly less than 3, if you say:

PRINT INT(3.00)

the ADAM will print 2. The ADAM has trouble handling numbers such as 3.00, 4.00 and 5.00. In fact, it has trouble handling every such number from 1.00 to 1024.00. (But it can handle 1025.00 correctly.)

Although the ADAM has trouble handling the .00, it has no trouble handling .0 or .000.

The ADAM requires that each statement be short: no more than 127 characters.

The ADAM uses the commands PR#1 and PR#0 to handle the printer. The ADAM also provides an easier way of handling the printer: If you tap the P key while holding down the CONTROL key, the printer will print a photocopy of what's on the screen.

To clear the ADAM's screen, type the word HOME and then press the RETURN key. Or, if you prefer, tap the L key while holding down the CONTROL key.

Do not put a space between GO and TO: the space confuses the ADAM. Say "GOTO," not "GO TO."

To abort, hold down the CONTROL key, and while you keep holding down the CONTROL key, tap the C key. That aborts—usually. But if you try to abort while the ADAM is doing an INPUT statement, you must press the RETURN key after pressing the CONTROL-C.

You can store programs on ADAM's data tape. (Do not store programs on ADAM's BASIC tape.) To put a program onto the tape and name it JOE, say SAVE JOE. But if you later revise JOE and put the revised version of JOE onto the tape (by saying SAVE JOE again), your tape will contain two versions of JOE: The revised version is called "A JOE"; the previous version is called "a JOE." If you say LOAD JOE or RUN JOE or DELETE JOE, ADAM assumes you're talking about the revised version ("A JOE"). To use the previous version instead of the revised version, say DELETE JOE, which deletes the revised version, and then say RECOVER JOE, which changes "a JOE" to "A JOE."

To edit your program, use the arrow keys instead of the ESCape key. For example, to edit line 20, say LIST 20. Then go to the beginning of line 20 (by pressing the arrow keys). Hit the right arrow until you reach the error you want to edit, then correct the error (to insert an extra space, tap the N key while holding down the CONTROL key), and then tap the right-arrow, until you get past the end of the line. Finally, press the RETURN key twice.

ADAM's word processor shows 36 characters per line; ADAM's version of BASIC shows just 31 characters per line. If you try to TAB beyond the 31st position, you confuse ADAM—especially if you try using the printer.

ADAM divides the screen into just two zones.

ADAM has trouble handling random numbers. If you run a program that contains random numbers and then run the same program again, you'll get the same "random" numbers as before.

After doing graphics, if you say TEXT, ADAM will automatically blank the screen.

To handle music and fancy graphics, the ADAM uses the words PEEK, POKE, and CALL. But you must follow these words with special numbers, which Coleco hasn't published yet. At the moment, therefore, these statements are useless.

In the middle of your program, you can tell the computer to stop running the program and to start running program JOE instead. You do so by typing this:

40 D$=CHR$(4): PRINT D$;"RUN JOE"

(Versions 1 and 2 of ADAM's manual said to use the word CHAIN instead of RUN, but those versions were wrong. ADAM does not understand the word CHAIN.)

If your data tape ever acts strangely, it's probably because some of the information on it got wrecked by an electromagnetic field. The only way to use that tape again is to erase it completely. To erase the tape, type this:

INIT HELLO

That command erases everything on the tape, and reformats the tape so that it acts properly. WARNING: say INIT HELLO only when the data tape is in the drive. Do not say INIT HELLO when the BASIC tape is in the drive. If you do, you'll erase BASIC!

[Most of the material above comes from the eleventh edition of The Secret Guide to Computers, copyright 1984 by Russ Walter and reprinted with permission. To get free literature about the complete Secret Guide to Computers, phone Russ at 617/2666-8128, 24 hours (he's almost always in); or send a postcard to him at 92 Saint Botolph Street, Boston, MA 02116.]

AUGment ARTICLES

As you can see, most of the articles and letters in this issue have been contributed by our charter 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 printout of a program that we use in AUGment.

Send all articles to ADAM PINS % AUGment, P.O. Box P, Lynbrook, NY 11563. Deadline for the next issue is November 30th 1984.

LIBRARY

The purpose of the AUG library is to offer public domain software to our members at the lowest cost. Usually the library is developed by members sending us data packs or disks with programs that they created and would like to offer into the public domain or perhaps they have public domain software available to offer to other ADAM users.

Since ADAM does not allow you to duplicate data packs, and obviously you don't want to part with your favorite programs, we will have to settle with second best. That is, only programs written in SmartBasic can be duplicated.

The following method can be used to make duplicate tapes of your favorite SmartBasic programs:

Place your SmartBasic data pack in the drive and reset the computer. After basic is loaded, remove the tape and place your program tape in the drive. At the basic prompt type LOAD "Favorite." (That is if Favorite is the name of your program.) Now remove your program tape and replace it with a BLANK data pack. At the next basic prompt type SAVE "Favorite." Your program will be saved on the blank tape and you will now have two copies of the same program.

If you have more than one program on your original tape, just repeat the above procedure for each file.

Now that you have a tape that you would like to contribute to the AUG library, pack it well and send it to AUG LIBRARY, P.O. Box P, Lynbrook, NY 11563. In return we will send you a tape from our library with other public domain programs on it.

Eventually Coleco will have the disk drive. At that time we will offer exchanges in either disk or data pack. Also, when CP/M comes along, there are many public domain programs that will be available to all our AUGies.

Until that time, get out your great programs and start transferring them so that other members can benefit from your talents ... and get some good programs for yourself.

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SMARTKEY PROGRAM

by Gary West

You have used the six SmartKEYS with SmartWRITER. Those keys allow you to choose from among all the options for typing, filing, and printing when you do your writing at the keyboard.

However, word processing is not the only function that those keys can have. You can program those keys to perform almost any task--or even a series of tasks--that can be performed by pressing one key.

As with the other keys on the keyboard, the SmartKEYs are assigned a character code. As an example, you could key in this direct command: PRINT CHR$(65)

An uppercase "A" will be printed on the screen, indicating that "A" has a character code of 65.

The character codes for the SmartKEYs are listed here:

SmartKEY	Code
I	129
II	130
III	131
IV	132
V	133
VI	134

The following routine will illustrate one way to use the SmartKEYs within a program:

```
10 REM -------SMARTKEY ROUTINE--------
20 HOME
30 PRINT "WHAT IS YOUR NAME?"
40 PRINT "TYPE IT AND PRESS <RETURN>."
50 INPUT N$
60 HOME
70 PRINT N$;","
80 PRINT "PRESS THE SmartKEY"
90 PRINT "OF YOUR CHOICE."
100 I$=CHR$(129)
110 II$=CHR$(130)
120 I3$=CHR$(131)
130 IV$=CHR$(132)
140 V$=CHR$(133)
150 VI$=CHR$(134)
152 VTAB(20):PRINT "I=RND NAME  II=STOP
    III=HELP"
154 VTAB(21):PRINT "IV=TAB NAME  V=LIST
    VI=RE-RUN"
160 GET KEY$
170 IF KEY$<>I$ AND KEY$<>II$ AND
    KEY$<>I3$ AND KEY$<>IV$ AND
    KEY$<>V$ AND KEY$<>VI THEN GOTO 160
180 IF KEY$=I$ THEN GOTO 1000
190 IF KEY$=II$ THEN GOTO 2000
200 IF KEY$=I3$ THEN GOTO 3000
210 IF KEY$=IV$ THEN GOTO 4000
220 IF KEY$=V$ THEN GOTO 5000
230 IF KEY$=VI THEN GOTO 6000
240 END
1000 HOME
1005 FOR X=1 TO 20
1007 SEED=SEED-1
1010 V=INT(RND(SEED)*18)+1
1015 SEED=SEED-1
1020 H=INT(RND(SEED)*24)+1
1030 FOR X=1 TO 20
1040 VTAB(V):HTAB(H):PRINT N$
1050 NEXT X
1060 GOTO 152
2000 HOME
2010 PRINT N$;","
2020 PRINT "PRESS THE KEY"
2030 PRINT "OF YOUR CHOICE:"
2040 VTAB(21):PRINT "I=END    II=CONTINUE"
2050 GET YOUR$
2060 IF YOUR$<>I$ AND YOUR$<>II$ THEN
     2050
2070 IF YOUR$=I$ THEN END
2080 IF YOUR$=II$ THEN GOTO 152
3000 HOME
3010 PRINT "THERE'S NO REAL HELP"
3020 PRINT "IF YOU'VE GONE THIS FAR."
3030 GOTO 152
4000 HOME
4010 FOR X=1 TO 20
4020 PRINT TAB(X);N$
4030 NEXT X
4040 GOTO 152
5000 HOME
5010 LIST
5015 PR#0
5016 HOME
5020 GOTO 152
6000 HOME
6010 PRINT N$;","
6020 PRINT "PRESS THE KEY"
6030 PRINT "OF YOUR CHOICE."
6040 VTAB(21):PRINT "I=RE-RUN  II=END
     III=CONTINUE"
6050 GET RERUN$
6060 IF RERUN$<>I$ AND RERUN$<>II$ AND
     RERUN$<>I3$ THEN GOTO 6050
6070 IFRERUN$=I$ THEN RUN
6080 IFRERUN$=II$ THEN END
6090 IFRERUN$=I3$ THEN GOTO 152
```
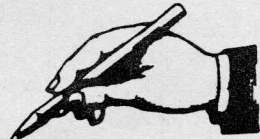
Note: Type each long line completely before you hit return.

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In Response ...

to your most frequently asked questions...

...Although ADAM software has been produced by both Coleco and other software manufacturers, the places to find them are remote. The stores that carry the ADAM computer do not necessarily carry all the software. Try Toys-R-Us, Montgomery Ward or Zayres. If all fails try the mail order vendors or call Coleco.

...We understand that many of the well-known software manufacturers have prepared programs for the ADAM but did not release them. This was due to the problems Coleco was having with the ADAM. But things are looking up; some of them are starting to appear and it seems like it's going to be a good holiday season for ALL.

...Aside from the modem and disk drive, Coleco is preparing some new hardware to work with ADAM. One of these is a Universal I/O port. That means the ADAM will be able to "talk" to another printer through a Centronics port or another computer through an RS232 port and still work with the ADAM printer. The I/O Universal port is promised for the first quarter of 1985. No word on the 80 column card or separate power supply yet.

...Quieting the printer is not so simple. You might try placing it on a sheet of foam rubber. There are commercial enclosures, but they are expensive.

...Many monitors are available for ADAM. The one we use is SAKATA Model S-100. It is a color monitor with audio and sells for about $300.00. You might try a computer store for others. Remember, the add-on ADAM to ColecoVision does not support sound on a monitor.

...We do not have any shortcuts to getting high scores on ADAM's games. If you want to ask specific question, we will print them in AUGment along with your name and address so that you can develop some "Game Pen Pals."

BONANZA REVIEW

Here is a data pack filled with programs for everyone. They are written in basic and perform very well on the ADAM with SmartBasic.

There are fifteen programs and a 16th graphics demo. The demo takes a while to construct, but the final results are interesting.

The other programs include:

DESIGN ... Lets you design 16x16 figures through the use of an enlarged grid.
SOUNDER ... Shows how to add ADAM sound to your programs.
OTHELLO ... 8x8 board game.
MANSION ... Adventure game.
MAGIC ... A great program that shows off ADAM's ability to "think."
FILER ... A simple but good general database program.
LABELS ... Allows you to print labels using the FILER database.
FINANCE ... A menu driven program for monthly budgets and two others.
TYPER ... Typing instruction.
FUGUE ... Plays a Bach fugue. (We listened to this as background music for an hour.)
TENNIS ... The old Video "Ping-Pong."
BREAKOUT ... Another popular Video game.
TRY ME ... Educational games (spelling and math). ADAM offers a very cute "congratulations" when the correct answer is given.

With these fine programs come two for the "advanced" user. They are ASSEMBLER and DISASSEMBLER. Since the Assembler is written in Basic, it is slow but does contain an editor for developing your program and saving it to tape. The Disassembler can be used to disassemble the Basic interpreter and is compatible with ASSEMBLER.

The programs on this data pack were written by Dr. David Martin and his son. Both are involved in psychology and artificial intelligence. We found BONANZA to be well written and appealing to all members of the ADAM community.

From Martin Consulting, 94 Macalester Bay, Winnipeg, Manitoba, R3T 2X5 Canada. (204) 269-3234. Price for the data pack is $34.95 (US) and $40.95 (Canada).

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FLIPTRACK SYSTEM

by Loretta Picone

One of the best methods of instruction is in the use of both sight and sound. This is how the audio course is presented with How to Operate the ADAM.

It gives you a chance to learn as you listen to the cassettes. The good feature about this is you could learn at your own pace and you could go back if you need to.

Through the friendly voice of Lee McFadden and the fine method of the FlipTrack learning system you get to feel at home with the ADAM.

After each area of explanation Mr. McFadden will ask you if you want to stop and flip the cassette over to practice and receive more instuctions. The cassette and guide make you comfortable by explaining that SmartWriter is similar to a typewriter, so that you can type directly from the keyboard to the printer. Then it explains the procedures that you have to go through in working the SmartWriter and the special keys and features, such as changing screen color, storing text, using the undo key, and editing text by using insert and delete. Finally, it goes into using the printer.

The SmartBasic procedure is handled somewhat in the same order. It explains the loading of SmartBasic into memory, the use of different keys, writing programs, and correcting errors.

The SmartBasic tape just covers the basic commands, so don't expect to start developing an accounting program. The graphics commands are covered well. As for SmartWriter, it is a better-than-average explanation of how to write "The great American novel."

Over all, FlipTrack Learning Systems does a good job of presenting the procedures of SmartWriter and SmartBasic in a fine tutorial format for people who have never used a computer.

How to Operate the ADAM comes with two audio cassettes and a reference guide and is available for $29.95 from FlipTrack Learning Systems, a division of Mosaic Media, Inc., Glen Ellyn, IL 60137.

PRINTER SWITCH and LEGS

Data Backup, a manufacturing supplier of ADAM peripherals and data packs, is offering a combination activator and legs for the ADAM printer.

When we received the package, opened it and read the directions, our first thought was, "This will never work." However, after about a fifteen minute installation with a Phillips screwdriver, we had a printer on legs ready to accept fanfold paper stored underneath and a power switch activator (installed without any tools) that operates from the FRONT of the printer.

The legs did not thrill us too much especially since the tractor feed for the ADAM has not been introduced into the market yet and the legs did not remove any of the noise. In our discussion with the owner-designer, Wes Rhudy, he said that the new legs will be developed with rubber feet to absorb some of the printer noise.

The power activator was a nice surprise. It looked simple but really made an improvement when working with the ADAM. The activator is a rod that is installed outside the printer (nothing inside is touched). It attaches to the printer by way of two self-stick adhesive pads. It may not be the greatest, but for the price, ($29.95 + $2.00 shipping for both the stainless steel activator and the 4 molded legs) it does make it convenient to turn ADAM on and off. By the way, Wes tells us that he will be offering the activator separately at a lower price.

The package also includes a self-stick ON/OFF label and two cable ties to be used to keep the power and connector cables out of the way of the paper.

Data Backup also supplies pre-formatted data packs, ADAM dust covers, drive head cleaning pads and some software.

Wes is offering a $5.00 discount to AUG members on the package. This offer will expire December 31st.

If you want to know more about Data Backup, you can reach them at Box 335, Iona, Idaho 83472. Phone number is (208)-523-2505 ... Sat. and evenings.

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Chapter News

The following local AUG chapters are already functioning.

BELLEVUE AUG
Contact: Norman R. Castro
809 West 33 Avenue
Bellevue, NE 68005

METRO ADAM USER'S GROUP
Contact: Russell Williams
414 W. 149 Street
New York, NY 10031

ADAM USERS OF EL PASO
Contact: Dick Lewin
6308 Falling Star
El Paso, TX 79912

GENESEE VALLEY ADAM USERS (GVAU)
Contact: Donald K. Zimmerman
5132 Jordan Road
Silver Springs, NY 14550

If you are interested in meeting other users in your area for the purpose of forming a chapter, contact the following members directly for more information.

Victor L. Watford
P.O. Box 777
Russellville, AL 35653

Harry L. McDonald
1222 Division Street
Charleston, IL 61920

Robert R. Marentes
9425 N. 38 Avenue
Phoenix AZ 85021

Bill & Nancy Rahn
12426 15 Street S.
Afton, MN 55001

Steve Chamberlain
120 E. 4 Street
Bloomsburg, PA 17815

Danny Levitt
4525 S. White Pine
Tucson, AZ 85730
602/790-9678

(continued)

If you are interested in starting a chapter in your area, send a stamped, self-addressed envelope for our TIPS booklet. It contains information on selecting a meeting place, contacting prospective members, starting a library and a newsletter, setting agenda for the meetings, deciding on dues, and adopting bylaws.

As soon as a group is operating, we would appreciate an officer sending us the following pertinent information for our files: name of group; contact person; mailing address; newsletter name; editor; library programs available to members; meeting time and place; dues.

National AUG can help you contact other ADAM users. First, determine the area you would like to cover (i.e., town, city, county, state). Then get the zip codes for that area. 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.)

Recently, Vic Watford sent us cards with the following information on them:

Dear Adam Owner,

Are you getting the most out of your Adam computer? Would you be interested in meeting with other Adam owners in this area to discuss problems and solutions, uses, good books and software, and starting a local Adam users' group? I invite you to meet with us on Saturday, October 20 at 2:00 p.m. in the Otasco Store in the Franklin Shopping Center in Russellville. There will be an Adam set up for our use, so bring your best software to show off, and your worst to look for solutions. If you can't come but are interested, call me. (Vic ended by giving his telephone number.)

We can do the same for you. Please include your identification number on all your correspondence with AUG.

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VENDORS

ADAM SOFTWARE AND SUPPLIES
from
Alpha-1
1671 East 16th Street, Suite 146
Brooklyn, NY 11229

SUPER SKETCH GRAPHICS CREATOR
from
Personal Peripherals, Inc.
930 North Beltine, Suite 120
Irving, TX 75061

AUDIO COURSE for the ADAM
from
FlipTrack Learning Systems
999 Main, Suite 200
Glen Ellyn, IL 60137

GAMES & EDUCATIONAL SOFTWARE
from
Sunrise Software, Inc.
2829 W. Northway Hwy, Suite 904
Dallas, TX 75220

LOGO BOARD GAME
from
Tuttle Products
P.O. Box 26981
Tamarac, FL 33320

ADAM DUST COVERS
from
Data Backup
Box 335
Iona, ID 83427

ASSEMBLER/DISASSEMBLER + 12 PROGRAMS
from
Martin Consulting
94 Macalester Bay
Winnipeg, Manitoba R3T 2X5 Canada

DIGITAL DATA PACKS & PROGRAMS
from
Victory Software Corporation
1410 Russell Road
Paoli, PA 19301

* *

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

SMARTWRITER and PRINTER

by George W. Knochel

For ADAM owners who purchased the ADAM in
1983 or January 1984, here are a few tips
for you:

Turn on your ADAM; then press the "R"
while holding down the CONTROL key. At
the bottom of your screen a blue box will
appear, with the version of your
SmartWriter word-processing program. If
the version is "R80" or above, you have a
souped-up program free of bugs. If below
"80," then you have the reason for most
of your problems. Since the SmartWriter
program is on a chip, you should take
your Memory Console to the nearest
Honeywell Customer Service Center to have
the program replaced. Call Coleco first
at 1-800-842-1225.

Is your printer jamming letters together
at the ends of sentences? Does it
sometimes print to the left of the left
margin? Does it not align letters one
above the other? Then you need a trip to
a Honeywell Customer Service Center. For
$39, they will repair it as good as new.
They repaired mine in only one day. (If
your printer prints garbage, that is
probably due to an old version of the
SmartWriter program. See previous
paragraph.)

For all ADAM owners, regardless of when
you purchased it:

To delete text fast, use the "CLEAR" key,
then the "CLEAR SCREEN" key. Or, if you
use "HI-LITE," press the "HOME" key and
the left or right arrow key together, and
the cursor will zip very fast across the
screen, underlining everything in red.

Your local Honeywell dealer sells ADAM
hardware/software at reasonable prices.
This includes ribbons, data packs and an
extra digital data drive. Look up
Honeywell in the white pages and call
them to find out prices.

You can use SmartWriter to edit and make
mass changes to your SmartBASIC programs.
Just "GET" your program from the tape.
But beware—you may make a syntax error
and not find out until you run your
program.

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The new program SmartFiler (a database) and Smart Letters and Forms (72 preformatted letters/forms) have been getting very good reviews so far. They are said to be very easy to use and powerful in performance. These two programs also are integrated—which means that they can be used alone or in conjunction with all "Smart..." software, such as your SmartWriter.

There is a bug in SmartWriter (all versions), which explains why the "FAN-FOLD" and "AUTO-PAGE" options of "PRINT" do not work. It is simply because when the "RETURN" key is used to indicate a space line, it spaces 1 1/2 lines instead of 1 line. If you add all these 1/2 lines up, you will see that that's how many lines extra are spaced, before your first line prints on the next page. There is really no solution to this, other than to try adjusting the vertical bottom margin up to compensate for all those 1/2 lines.

In general, if you have any problem, just call Coleco first, from 8:30 a.m. to 10:00 p.m. EST. A representative will help you determine the problem. They have always been very pleasant when I have spoken to them.

If you can't find software/hardware in your local stores, Coleco is taking orders over the phone at 1-800-842-1225. They will take your order and send the product to you right away.

George W. Knochel
13451 W. Florida Drive
Lakewood, CO 80228

GOOD READING

There are many "slick" magazines on the newstands and they offer a great amount of information. Very few write about ADAM.

There are many "homegrown" newsletters and periodicals that offer a great deal of information. Very few of them write about ADAM.

HOWEVER ... there are three newsletters that write about ADAM almost exclusively.

The first is EXPANDABLE COMPUTER NEWS. This is a bi-monthly published by Sage Enterprises, Route 2 Box 211, Scrivner Road, Russellville, MO 65074. This newsletter is one of the finest available for the ADAM computer. It contains reviews, programs, and some pretty darn good hints and tips. Subscription is $12.00 per year.

Another is HACKER"S QUARTERLY published by Adam Microhackers, 236 McKibben Street, Suite 19, New York, NY 11206. Subscription is $25.00 per year.

The third is GARDEN of ADAM published by Adam Users of America, PO Box 6307, Huntington Beach, CA 92615. ADAM software and peripherals are available through this newsletter. Subscription is $18.00 per year.

As local ADAM User Groups become established, they will be publishing their own newsletters. Usually they will be offered to other groups and mail order members. When they are published we will let you know how to contact them.

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ADAM USERS' GROUP, INC.
POST OFFICE BOX P
LYNBROOK, N. Y. 11563

ADDRESS CORRECTION REQUESTED