

TELECOMMUNICATIONS

IN RECENT MONTHS THE SUPPLY OF ADAMLINK MODEMS HAS STARTED TO DRY UP. EXCEPT FOR ISOLATED POCKETS OF AVAILABILITY THE MODEM FOR THE MOST PART IS BECOMING HARD TO FIND, BUT, THERE IS AN ALTERNATIVE TO THIS PROBLEM. EVE ELECTRONICS PRODUCES A SERIAL/PARALLEL INTERFACE, THE SP-1, WHICH ALLOWS THE USE OF AN EXTERNAL MODEM. WITH THIS COMBINATION YOU CAN USE MANY DIFFERENT MODEMS OF WHICH I WOULD RECOMMEND A HAYES OR HAYES COMPATIBLE, THESE MODEMS ALSO ARE AVAILABLE IN BAUD RATES FROM 300 TO 2400 WITH HIGHER BAUD RATES COMING. THE 300 BAUD RATE HAS BEEN THE MOST COMMON TO DATE, BUT, THE 1200 BAUD RATE IS FAST BECOMING THE STANDARD AND IF YOU ARE CONSIDERING THIS TYPE OF SETUP BE SURE TO GET A MODEM CAPABLE OF AT LEAST 300/1200 BAUD OPERATION. BAUD RATE, FOR THOSE OF YOU I HAVE BAFFLED, IS THE SPEED AT WHICH DATA IS TRANSFERRED BETWEEN TWO POINTS. NATURALLY, YOU CAN SEE WHY THE FASTER RATES ARE BECOMING POPULAR, SPEED- THE FASTER YOU CAN TRANSFER DATA THE LESS TIME YOU HAVE TO SPEND ONLINE. ALTHOUGH THE COST IS HIGH FOR THIS TYPE OF SYSTEM...APPROX. \$140 FOR THE SP-1 AND \$200+ (DEPENDING ON BRAND AND MODEL) FOR THE MODEM, YOU COULD GET YOUR INVESTMENT BACK IN LOWER PHONE BILLS IF YOU ARE ONLINE A LOT. I KNOW, I SIT HERE TELLING YOU THAT 1200 BAUD IS BECOMING THE STANDARD AND ALL OF YOU ADAMLINK OWNERS ARE WONDERING "WHAT ABOUT ME!", WELL, I HAVE HEARD THAT THERE IS A COMPANY THAT HAS A 1200 BAUD UPGRADE FOR THE ADAMLINK MODEM. THE 1200 BAUD UPGRADE IS SUPPOSED TO BE AWAITING FCC APPROVAL, BUT, IF AND WHEN IT DOES BECOME AVAILABLE ALL OF THE DETAILS WILL BE IN A FUTURE ISSUE OF THIS NEWSLETTER AND ON THE COBRA BBS. CURRENTLY I KNOW OF TWO ADAM BBS'S THAT HAVE 300/1200 BAUD OPERATION ALONG WITH COMPUSERVE, AND THE COBRA WILL SOON ALSO HAVE 300/1200 BAUD (I HOPE).

WRITTEN BY WADE ROWLEY

COBRA CORNER

AS I MENTIONED LAST ISSUE I AM NO LONGER EDITOR-PUBLISHER OF THIS NEWSLETTER. I HAD MADE ARRANGEMENTS FOR SOMEONE LOCAL TO TAKE OVER THE REINS, BUT, THIS DID NOT WORK OUT. I HAVE, HOWEVER, MADE NEW ARRANGEMENTS WITH A FRIEND TO TAKE OVER STARTING WITH THIS ISSUE. THIS NEW OPERATION WILL MEAN AN ADDRESS CHANGE AS THIS NEWSLETTER WILL NOW BE ORIGINATING FROM MAINE. ROBERT WRIGHT WILL NOW BE EDITOR/PUBLISHER AND WILL FILL YOU IN ON THE NEW ADDRESS IN HIS DEBUT MESSAGE WITHIN THIS ISSUE. THIS MOVE WILL MAKE THE NEWSLETTER BETTER THAN EVER AND I HOPE THAT YOU SUPPORT BOB IN THE SAME WAY YOU HAVE ME OVER THE PAST YEAR. AS I MENTIONED IN THE LAST ISSUE, THIS MOVE WILL NOT EFFECT MEMBER STATUS ON THE COBRA. ANYONE THAT BELONGS TO THE ADAM-X-CHANGE WILL STILL HAVE FULL ACCESS TO THE COBRA BBS. I WILL BE WRITING THE COBRA CORNER IN FUTURE ISSUES AND WILL TRY TO COVER MANY TOPICS OF INTEREST. ALTHOUGH MAIL TO THE ADAM-X-CHANGE SHOULD GO TO THE NEW ADDRESS, I WILL STILL BE ACCEPTING MAIL IF YOU SHOULD LIKE TO CORRESPOND WITH ME PERSONALLY.

WADE ROWLEY
12863 WASHBURN
WOLCOTT, NY 14590

SAMS MANUAL

I RECENTLY TALKED TO THE PEOPLE AT SAMS, AND THEY TOLD ME THAT PLANS FOR AN ADAM SERVICE MANUAL HAVE BEEN SHELVED. THEY CITED LACK OF COOPERATION FROM COLECO AS THE PRIMARY REASON AND LOW PROJECTED SALES ALSO BEING MENTIONED. THIS IS VERY DISTRESSING NEWS TO ME AS WELL AS MANY OTHER ADAM OWNERS. I HAD HOPED THAT WITH THIS SERVICE MANUAL, MANY COMPUTER REPAIR STATIONS COULD PROVIDE SERVICE FOR THE ADAM FOR MANY YEARS TO COME. I HAVE HEARD OF A FEW PLACES PROVIDING SERVICE, BUT, THEY ARE VERY WIDE SPREAD AND MOST PEOPLE WOULD HAVE TO SHIP THEIR UNITS IN TO BE REPAIRED. SERVICE IS OF COURSE STILL AVAILABLE THROUGH HONEYWELL FOR THE TIME BEING, BUT, I AM LOOKING TO THE FUTURE WHEN ALL ADAMS ARE OUT OF WARRANTY AND COLECO WILL NO LONGER BE PROVIDING PARTS TO HONEYWELL.

MORE CHEAP PARTS!

EVERYDAY SEEMS TO HAVE SOMEONE NEW SELLING PARTS FOR THE ADAM. THE ADAM IS LARGELY MADE UP OF READILY AVAILABLE IC'S AND OTHER ELECTRONIC COMPONENTS, BUT, FOR MOST OF US THESE "CHEAP" PARTS ARE MAKING IT EASY FOR MOST OF US TO STOCK UP ON MANY BACKUP PARTS. DATA-DRIVES, KEYBOARDS, AND POWER SUPPLIES ARE AVAILABLE FOR APPROX. \$10.00, AND NOW EVEN A COMPLETE SET OF BOARDS AND COMPONENTS <LESS PRINTER> ARE AVAILABLE FOR UNDER \$100. BELOW I WILL LIST SEVERAL OF THE SOURCES THAT I KNOW OF FOR THESE PARTS. HAPPY HUNTING!

* * * * *

AMERICAN DESIGN COMPONENTS
62 JOSEPH ST.
MOONACHIE, N.J. 07074
800-524-0809 TO ORDER
201-939-2710 FOR INFO
KEYBOARD #6643 \$19.95
JOYSTICKS PKG OF 4 \$9.95
POWER SUPPLY #6642 \$14.95
DATA-DRIVE #6641 \$9.95
COMPONENT ADAM #7410 \$99.00
COLECO GALE KIT #7411 \$19.95
AD APPEARS IN APRIL ISSUE
OF POPULAR MECHANICS

H & R CORP.
401 E. ERIE AVE.
PHIL., PA. 19134
215-426-1708

KEYBOARD #TH23K665 \$19.95
JOYSTICKS PKG OF 2 \$9.95
POWER SUPPLY #TH23K698 \$14.95
DATA-DRIVES #TH23K697 \$19.95

FREE CATALOG

* * * * *

ETCO ELECTRONICS
 N CTRY SHOP. CNTR
 PLATTSBURG, NY 12901
 518-561-8700
 KEYBOARD #MC046 \$3.95
 DATA-DRIVE #MC044 \$3.95
 POWER SUPPLY #MC045 \$5.95
 AD APPEARED IN RADIO
 ELECTRONICS MAGAZINE

EDLIE ELECTRONICS
 2700 HEMPSTEAD TRNPK
 LEVITTOWN, LI., NY 11756
 800-645-4722
 KEYBOARD #K3600-2 \$9.95
 DATA-DRIVE #K3601-2 \$9.95
 POWER SUPPLY #K3602-2 \$10.95
 CATALOG \$2.00

* * * * *

RADIO SHACK
 DARE KEYBOARD #277-1020 \$5.95
 PRINTER GEARBOX #273-224 \$1.98

JANECO ELECTRONICS
 ADAM MAIN BOARD LINUS IC'S
 \$6.95

THIS LIST IS EVER CHANGING AND TO DATE THE MOST RELIABLE SOURCE SEEMS TO BE AMERICAN DESIGN. IF ANYONE KNOWS OF OTHER SOURCES PLEASE NOTIFY ROBERT WRIGHT.

WADE ROWLEY

EDITORIAL AND COMMENT

As the new editor and publisher of the ADAM-X-CHANGE Newsletter, I extend my warm thanks to Wade Rowley for his kind co-operation in making the transfer of the helm as smooth as possible. Those of us who have been receiving the ADAM-X-CHANGE for awhile have enjoyed his ability and good sense displayed in the newsletter. I only hope that I can measure up to his standards and will try to include articles of genuine value for the ADAM user. Wade will continue to contribute to the newsletter, and will always be glad to answer your letters. Please address all correspondence for Wade to the old address at Wolcott, N.Y. All inquiries concerning the newsletter, subscription renewals, and datapack orders should be addressed to:

Robert Wright
 RFD#1 Box 528
 Saco, Me 04072

Members are encouraged to submit articles and items of interest to be included in the ADAM-X-CHANGE NEWS. The publisher reserves the right to determine the suitability of any material thus submitted for publication. I trust that many of you will take advantage of this opportunity to help fellow users and express your opinions.

No startling changes are planned for the NEWS, however you will note in this issue some additions that I hope are welcome. More columns are on the way in future issues. Please see

the discount offer extended to members by Ray Hanania of Hanania Enterprises on the STELLAR 5 astronomy programs for the ADAM. Wade will be doing a review on this in a coming issue.

Thanks again to Wade and a welcome to all members to the new ADAM-X-CHANGE.

Bob Wright, Editor.

TARDIS TOPICS

The TARDIS CONSOLE BBS is now, along with the COBRA BBS, an official system of the ADAM-X-CHANGE. Members may have full access with NO TIME LIMIT and NO LIMIT on the number of downloads per call. Those of you already logged on as users will note some changes. ADAM-X-CHANGE members will have Level 3 access status. As a "THANK YOU" to current users logged on the TARDIS as of April 1, 1986, all will receive a FREE one-year subscription to the ADAM-X-CHANGE NEWS. Current members logged on as of this date will receive a FREE one-year renewal.

For those of you not currently validated users, here is some info on the TARDIS:

System: ADAM system with 2 disk drives, 64k card, AdamLINK modem, Moore auto-answer device, running under C/PII.

Parameters: 8 data bits, no parity, 1 stop bit, 300 baud ONLY.

Current Hours: DAILY 11PM to 7AM Eastern Time, till noon on Sundays.

U/D System: XMODEM and ASCII upload and download fully supported. Use the [H]elp command for directions. The current issue of the ADAM-X-CHANGE NEWS will be available online as the file XCHANGE.NWS. See the [W]elcome file for instructions on downloading.

Validation: New users validated within 24 hours. Members who would like to save some time may send in the PASSWORD (at least 6 alphanumeric characters) to me and get pre-validated before your first call.

Phone: 207-929-8286

Sections: The system is divided into 9 special interest sections. All message sections are available at all times. Files sections are available on the following days:

Monday & Tuesday - C/PII
Wednesday & Thursday - SmartDASIC
Friday & Saturday - SmartLOGO & AdamCALC

Sunday

- Dr Who & Turbo Pascal

Even though I am out here in the wilds of the Maine woods, I hope to be meeting many of you on the TARDIS in the coming months.

(TARDIS TOPICS is planned as a regular feature of the ADAM-X-CHANGE NEWS, along with the COBRA CORNER. Your comments and feedback are appreciated.)

BASIC PROGRAM LOCK UP PUZZLE

D. Zimmerman

Did you ever want to lock up your Basic programs from prying eyes? If so try entering these three lines at the beginning of your programs.

```
2 POKE 461,79
4 POKE 20185,79
6 POKE 21445,79
```

Now try LISTing the program or even CATALOGing the disk/tape. What happened?

Here is a clue: Try entering "LOST" and see what happens. Now try entering "COTALOG" (Spelled like this). Notice the "LOST" worked but line number six prevented the "COTALOG" from working. If you had only used the first two lines "COTALOG" would have worked.

Basic will have to re-booted to regain normal functions or else type in and RUN this to reset Basic.

```
2 POKE 461,73
4 POKE 20185,65
6 POKE 21445,73
```

The answer to this puzzle is extremely simple once you know how it works. ALL computer "experts" were once beginners like everyone else. It is certainly no disgrace to be confused and lost many, many times when starting to learn computers. The transition from amateur to pro is no more than the REFUSAL of the beginner to give up when faced with problems. Solving the most complex problem is accomplished by solving small ones ONE AT A TIME. Subscribe to newsletters. Join Users' groups. Write/phone other users. Most experienced users really want to help but are too busy with their own work to answer questions like "How do I use CP/M?". Short questions like "What is the difference between the "default" and the "logged" drives?" and "Why can't I TYPE out a .COM file?" will be readily answered by 99% of all experienced users. The user who will not quit will soon be rewarded with a feeling of confidence and the knowledge that ADAM is not only

useful but FUN!

Puzzle answer will be in next issue of the ADAM-X-CHANGE NEWS.

PD PROGRAMS

(Every issue of the ADAM-X-CHANGE NEWS will now feature the full text of a public domain program. This issue's selection is FISHSTATS, submitted by Rob Bouffard. With the fishing season coming on, perhaps some of you who are avid anglers will put this one to good use.)

```
1REM Instructions on line 1080
10REM Fisherman's Diary
20REM By R.A. Douffard
30 k1=0: c=1
40 n=1000
50DIM q$(5)
60DIM h$(5)
70READ n
80IF n=0 THEN GOTO 130
90FOR k=1 TO n
100READ h$(k)
110NEXT k
120HOME
130? "SHALL I PRINT ALL OF THE ITEMS?"
140? "( Y or N )? "
150INPUT a$
160IF a$="Y" THEN GOTO 470
170? "SHALL WE SELECT BASED UPON:"
180? " SPECIES (S)"
190? " MONTH CAUGHT (M)"
200? " LOCATION (L)"
210? " OR OTHER (O)"
220INPUT x2$
230IF x2$="M" THEN GOTO 380
240IF x2$="L" THEN GOTO 400
250IF x2$="S" THEN GOTO 420
260? "Enter item heading to search"
270? "for"
280INPUT x1$
290IF n=0 THEN GOTO 350
300FOR k=1 TO n
310IF x1$<>h$(k) THEN GOTO 330
320 k1=k
330NEXT k
340IF k1<>0 THEN GOTO 430
350? "ITEM HEADING NOT FOUND"
360? " TRY AGAIN"
370GOTO 130
380 x1$="MONTH CAUGHT"
```

```
390GOTO 430
400 x1$="LOCATION"
410GOTO 430
420 x1$="SPECIES"
430? "Enter the value of "
440? x1$; " to search for."
450INPUT x$
460REM                                     HEADINGS
470? "COPY?":INPUT v$
480IF v$="Y" THEN PR #1
490?:HOME
500? "DATE"; TAB(7); "SPECIES"; TAB(16); "WGT"; TAB(20); "LIN";
510? TAB(25); "LURE"; TAB(34); "LOCATION"; TAB(12); "WEATHER";
TAB(20); "TIME"; TAB(25); "WHO"
520?
530IF a$="N" THEN GOTO 760
540REM                                     *****
550REM                                     PRINT ALL ITEMS
560FOR i=1 TO m
570READ m$
580IF m$="END" THEN GOTO 710
590READ d, f$, w$, l, b$, p$
600IF n=0 THEN GOTO 650
610FOR k=1 TO n
620READ q$(k)
630NEXT k
640IF v$="Y" AND c/25=INT(c/25) THEN STOP:PR #1
650? m$; d; TAB(7); f$; TAB(16); w$; TAB(20); l; TAB(25); b$;
TAB(34); p$;
660? TAB(12); q$(1); TAB(20); q$(2); TAB(25); q$(3)
670 c=c+1
680?
690NEXT i
700REM                                     *****
710REM                                     TERMINATE
720PR #0
730? CHR$(7)
740END
750REM                                     *****
760REM                                     SELECT ITEMS
770FOR i=1 TO m
780READ m$
790IF m$="END" THEN GOTO 710
800READ d, f$, w$, l, b$, p$
810FOR k=1 TO n
820IF n=0 THEN GOTO 840
830READ q$(k)
840IF k1<>0 THEN GOTO 930
850IF x2$<>"H" THEN GOTO 880
860 x3$=m$
870GOTO 950
880IF x2$<>"L" THEN GOTO 910
890 x3$=p$
900GOTO 950
910 x3$=f$
```



```

920GOTO 950
930IF k<>k1 THEN GOTO 950
940 x3$=q$(k)
950NEXT k
960IF x$<>x3$ THEN GOTO 1030
970IF v$="Y" AND c/25=INT(c/25) THEN STOP:PR #1
980? n$; d; TAB(7); f$; TAB(16); w$; TAB(20); l; TAB(25); b$;
TAB(34); p$;
990? TAB(12); q$(1); TAB(20); q$(2); TAB(25); q$(3)
1000IF n=0 THEN GOTO 1020
1010 c=c+1
1020?
1030NEXT i
1040GOTO 710
1050REM DATA FOR INIT
1060DATA 3, WEATHER, LOCATION,WHO
1080REM *****
1090REM All data is input by DATA statements in this form:
1100REM Date,Species,Wgt,Len,Lure,Location,Weather,Time,Who
1110REM *****
3000DATA END

```

BASIC SMARTBASIC

(This column will feature a short program illustrating the use of one or more SmartBASIC functions. Let me know if you like it and want more of the same. - the Editor)

RND, INPUT, and FOR/NEXT are used in the following program to give you 8 chances to guess the random number. ADAM will tell you whether each guess is too high, too low, or correct, and then tell you the correct number after 8 incorrect tries. Variables for the program are:

```

RN = random number
G = guess
GG = INPUT guess

```

Line 40 generates a random number between 1 and 50.
Line 50 sets the parameters of FOR/NEXT loop G from 1 to 8 for a maximum of 8 guesses.
Lines 70 and 80 test your INPUT GG against variable RN.

```

10 HOME
20 PRINT "GUESS MY NUMBER (1-50)"
30 PRINT "YOU GET 8 GUESSES":PRINT
40 RN=INT(50*RND(1))+1
50 FOR G=1 TO 8
60 PRINT:PRINT "GUESS #";G;"="";:INPUT GG
70 IF GG=RN THEN GOTO 150
80 IF GG>RN THEN GOTO 110
90 PRINT GG;" IS TOO SMALL"
100 GOTO 120

```

Egames1.doc	8k	Egames2.doc	3k	Lander.bas	5k
Lanes.bas	8k	Len.bas	7k	Loan.bas	3k
Love.bas	2k	Plot2.bas	2k	Poet.bas	4k
S/trek.bas	5k	Stars.bas	4k	Startrek.bas	27k
Startrek.doc	7k	Story.bas	7k	Strike9.bas	3k
Ttt.bas	7k	Wumpus.bas	9k		

Smartbasic Vol. #1

Speculator	7k	Othello	15k	Spelling	5k
Shapegen	8k	Spritemak	9k	Halleybas	7k
Halleydoc	3k	Utilcopy	7k	Fdump2	7k
Adanchat	6k	Chatdoc	3k	BBskitbas	12k
Bbskitdoc	5k	Autoanswer	6k	Serunch	3k
Starwarp	22k	Enterprise	4k	Tolkien	17k

Smartlogo Vol. #1

Rocket	18k	Logocomplr	3k	Logomenu	3k
Logotitles	3k	Turtlehopp	4k	Keyboard	4k
Bomb	2k	Turtlehop	4k	Read me	7k
Videoart	2k	Alphabet	7k	Slotmachin	5k
Eggtimer	2k	Instant	3k	Instantdoc	3k

Adamealc Vol. #1

Checkbook	3k	Inventory	4k	Budget	8k
Cislog	3k	Forecast	6k	Consolid	8k
Bussumfrm	7k	Itemexpfrm	5k		

DISCOUNTS AND MORE

Ray Nanania of Nanania Enterprises is offering his STELLAR 5 astronomy programs configured for ADAM at a discount for ADAM-X-CHANGE members. STELLAR 5 normally sells for \$36 on disk and \$39 on datapack, but is available to members at \$25 on disk, \$27 on datapack. Here is a rundown of the 10 programs in STELLAR 5:

1. A program that calculates the position of 8 planets, indicating magnitude, phase, celestial co-ordinate location, constellation name...all for any date requested by the user. A graphics program that displays planet movement during a 60 day period. Ten positions are shown beginning with the original date requested.

2. A program that calculates, for any date, the celestial co-ordinates of Halley's comet and 14 other popular comets.

3. A program that displays on the ADAM 42 northern conste-

```

110 PRINT GG;" IS TOO BIG"
120 NEXT
130 HOME:PRINT "TOO BAD, MY NUMBER WAS ";RN
140 GOTO 300
150 HOME:VTAB 10:PRINT "BRAVO!! ";GG;" IS CORRECT":PRINT
160 PRINT "IT TOOK YOU ";G;" GUESSES"
300 VTAB 11:INPUT "HIT RETURN TO GO AGAIN";A$
310 IF A$<>" THEN GOTO 300
320 GOTO 10

```

PD LIBRARY

The ADAM-X-CHANGE is now sponsoring a public domain software exchange and will maintain a library of PD software for distribution to our members. Below are listed the volumes currently available. These will be added to as new software comes in. Members who send in ONE NEW public domain program (no FAMILY COMPUTING programs, please!) any ADAM system (SmartBASIC, AdamCALC, C/PII, etc.) on datapack or disk may have in exchange ONE of the PD volumes currently available. Please enclose return postage with your datapack or disk. If you do not have any PD programs to exchange, send \$3.00 along with you choice of volume and whether you want it on datapack or disk.

The current list of PD Volumes will be on the TARDIS CONSOLE as the file PDLIB.LST, and can be downloaded by members during BBS hours.

PD volumes currently available are:

C/PII Vol. #1

Create30.lbr	11k	Display.lbr	5k	Lu300.lbr	57k
Madam7.lbr	33k	Hswp207.lbr	33k		

C/PII Vol. #2

(EBASIC.LBR is a public-domain compiler for E-Basic in C/PII. The rest of the programs in this and Volume #3 are E-Basic games that will run using the compiler.)

Ace.bas	2k	Anaze.bas	4k	Animal.bas	2k
Bagels.bas	2k	Bagels2.bas	6k	Bioprint.bas	7k
Blkfri.bas	11k	Blkfri2.bas	10k	Cannons.bas	6k
Chase.bas	3k	Chomp.bas	2k	Combine.bas	1k
Core.bas	1k	Coretest.bas	1k	Craps.bas	4k
Ebasic.lbr	32k	Euclid.bas	1k	Fib.bas	1k
Fit.bas	1k	Format.bas	4k	Format.doc	1k
Hang.bas	5k	Hello.bas	5k	Keno.bas	7k

C/PII Vol. #3

relations, identifying major stars, galaxies, and nebula. Two more programs provide detailed info on more than 150 stars, galaxies, and nebula, and another that lists more than 140 stars and more specific data.

4. A program that calculates the distance between any two objects, such as stars or planets, measuring in kilometers, miles, or astronomical units.

5. Two programs that convert between the Julian Date and Gregorian Calendar systems.

6. A program that calculates the dates of full and new moons.

7. A program that determines the users Zodiac.

When ordering, please let Ray know you are an ADAM-X-CHANGE member. Send your order to:

Hanania Enterprises
POB 356
Tinley Park, IL 60477
Phone 312-532-1206 home/evenings

HIISC has released a new version of it's popular BACKUP PLUS utility. If you bought one of the earlier versions they will update yours if you send ONE of the original datapacks or discs and \$15 to: HIISC POB 1112 Broomfield CO 80020.

LAST WORD

Well, that's about it for this issue. There is a lot more I would have liked to include, but just don't have the space or time at present. Please remember to send your comments, criticism or whatever. I need feedback from members in order to get you what you want in this newsletter. Be seeing you!