THE SAINT LOUIS
ADAM ™
USER GROUP
12967 Weatherfield Dr.
St. Louis, Mo. 63146

The St. Louis ADAM User Group Newsletter is produced to keep our members up to date on new software and hardware for the ADAM computer. It is also our desire to pass along ideas, hints, and tips for programming and word processing. Each of our members can help us in this task by sharing your ideas with us.

We meet on the second Saturday of each month at the Thornhill Branch of the County Library. This is located on Fee Fee road across from Parkway North High School. we meet from 12:30 to 4:00 pm. All of our members are urged to attend. We welcome visitors to come and see if we can help each other.

This newsletter will be distributed at each of our meetings. For those members who have paid their dues, we will mail your newsletter to you if you are unable to attend the meeting. You can help keep our costs down by being at the meeting to receive your copy. The new postal rates have made mailing costs a serious matter.

OUR NEXT MEETING IS MAY 14. SEE YOU THERE.

I get
this way
between
meetings!!

ST.L.AUG N WSLETTER
    MAY   1988

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ADVERTISE IN ST.L.AUG NEWSLETTER

The STLAUG Newsletter is accepting
 advertising for publication.

We believe advertisements help
ADAM owners know what is available
and therefore ads are a service.
Our rates are very competitive.

Full Page ad is $ 10.00 per issue
Half page ad is $ 6.00 per issue.

Ads must be ready for xeroxing and
will be xeroxed as is unless changes
are needed for newsletter purposes.

Contact Editor, Barry A. Wilson

IF YOU respond to any of the ads,
let them know where you saw the ad.

OFFICERS

President: Jim Guenzel
V.P. :   Barry Wilson
Treasuror: Al Fitzgerald
Secretary: O P E N .
BBS Sysop Al Fitzgerald
Editor: Barry Wilson
Co-Editor: Michael Keith
Technical Advisor: Jim Guenzel
Librarian: Steve Murphy
Librarian: Courtney Wilson

ST.LOUIS AREA USER GROUP

(4/ 3/88)

B.B.S.	Thur - Sun 9PM-2AM (Adam Default Settings)		773-1551
DON BUELTMANN	455 Skylark Dr.	St.Louis 63031	837-0060
Steve Coneal	6800 Knoll	St.Louis 63134	522-6475
ERIC DANZ	17 Capstan Rd.	West Milford NJ 07480	
GREG DAVENPORT	4024 McDonald	St.Louis 63116	865-2761
Matt Donze	2944 Point Dr.	St.Louis 63129	846-9827
JIM DUFFY	# 4 Inverness Ct.	St.Peters 63376	279-1677
DAN ELLIOTT	3763 High Drive	St.Louis 63074	739-1712
James Etter	670 Green Isles Dr.	Fenton 63026	
Don Etter	2715 Tallwood Ct.	St.Louis 63129	
➤AL FITZGERALD	3310 S. Grand Blvd.	St.Louis 63118	773-1551
JOHN FORTI	2730 N. Waterford Dr.	St.Louis 63033	831-6590
Paul Grothaus	12535 Westport Dr.	St.Louis 63146	434-1637
JIM GUENZEL	12221 Spring Shadow Ct.	St.Louis 63043	878-2371
KARL HILL	8641 Del Vista	St.Louis 63126	842-6176
Bud Hove	1536 Walpole Dr.	St.Louis 63017	532-0506
Chuck Johnson	8941 Kathlyn	St.Louis 63134	
KEITH JEFFERSON	2224 Collett	St.Louis 63135	669-0222
GEORGE JENKINS	5743 Wieland	St.Louis 63128	894-1352
Kelly Johnson	5260 Gilmore	St.Louis 63120	
MICHAEL KEITH	POBX 368	Fredericktown 63645	1-783-2267
Alfred Khalil	1306 Parkview Valley Dr.	St.Louis 63011	391-7578
Mark Kilo	3502 Bonsai Ct.	St.Louis 63129	894-3004
JOHNNIE LANCASTER	408 Church St.	(E.Alton ILL) 60204	618-258-0415
PATRICK LANCASTER	408 Church St.	(E.Alton ILL) 60204	618-258-0415
Chris Mennel	6519 Towne Woods Dr.	St.Louis 63129	846-6588
Beverly Miller	6233 N. Lakeshore Dr.	St.Louis 63050	
STEVE MURPHY	226 Golden Valley	St.Louis 63129	894-4530
DEREK MYERS	9036 Trefore	St.Louis 63134	427-2530
PAUL Peachee	8015 Aline	St.Louis 63134	521-9120
Mark Raymer	8357 FairBanks	St.Louis 63134	
Mark Roeder	6862 Ela Point Lane	St.Louis 63129	
HECTOR SANCHEZ	3606 Swiss Corpus Christi TX	78415	
➤ RON SMITH	23Windsor Rd. Padstow NSW Austrialia	2211	
BRAD Stockmann	3724 Utah Pl.	St.Louis 63116	773-2746
Robert Snyder	3960 Flagstone Ct.	St.Louis 63033	838-4390
Bob Wagner	3166 O'Hare	St.Ann 63074	429-5663
Peter Wan	7315 A Commonwealth	St.Louis 63143	
BOB WARREN	106 Point View Dr.	Bonne Terre Mo. 63628	
JOYCE WHITEHEAD	6532 Franks Rd.	House Sprgs.63051	677-3736
BARRY WILSON	12967 Weatherfield Dr.	St.Louis 63146	878-3502
COURTNEY WILSON	12967 Weatherfield Dr.	St.Louis 63146	878-3502
JEFF WILSON	1167 Appleseed Ln.	St.Louis 63132	997-0014

ST.LOUIS AUG CORRESPONDANT AUGS

(4/ 3/88)

Adams Alive (E&T)	1010 Westminster	Garland TX 75040
Adam-Link	2337 South 600 East	Salt Lake 84106 (UTAH)
AHAUG	7814 Worthing Ct.	Alexandria 22310 (VA)
C.A.U.G.	7555 Sunnyview Ln.	Colo.Sprgs. 80911 (CO)
gHAAUG	Rt 2 Box 2756	Pearland TX 77581
Honeyvell Repairs	62 Weldon Parkway	St.Louis Mo.63043-3202.
Inland Empire AUG	POBX 2210	Rialto CA 92376
Metro Orland AUG	1003 Oak Lane	Apopka Fl. 32703
Nibbles & Bits	POBX 37	Oak Hill WV 25901
NIAD	POBX 1317	Lisle IL. 60532
Omaha AUG	809 W. 33rd Ave.	Bellevue NE 68005
Puget Sound Adam	22607 SE 322nd	Kent WA 98042
SLKUG (Kaypro)	1122 North & South Rd.	St.Louis Mo.63130
Triangle AUG	2623-A Yanceville St.	Greensboro 27405-4407 (NC)
Video & Computer	2226 Patterson Ave. So.	Joplin Mo. 64804

EDITOR ITEMS #1

BULLETIN BOARD.

Jur Bulletin Board is now operational. Call 773-1551 from 9PM to 1 AM THURS, FRI, & SAT. EVENINGS. SET PARAMETERS AT: ADAM DEFAULT VALUES.

DO NOT UPLOAD until further notice. Leave EMail to Sysop if you want something from the Board. Sysop is Al Fitzgerald.
THANKS TO AL FOR HIS EXCELLENT WORK ON THIS PROJECT.

APRIL MEETING

April meeting was held at Thornhill Library. MEETINGS WILL BE THE SECOND SATURDAY OF EACH MONTH, 12:30 - 4:00. Approximately 11 members attended. There were demonstrations of software, including CP/M, basic, utilities, word processing, etc. Members were given assistance with their hardware & software questions and problems. Copies of other newsletters were available & binders containing other AUG's newsletters will be brought to future meetings. Mike Keith of Frederickstown Mo., a new member brought his MEGACOPY hardware & software and demonstrated how it formates tapes in any of several different configurations. We were able to set up three complete Adam Systems so that the Mega Copy demonstartion could proceed while the Copy Fast demonstration was in progress.

PLEASE BRING EXTRA HARDWARE TO NEXT MEETING so we can set up several Adam Systems. Bring blank media in case you wish to copy any of the PD items available. Bring any new software you wish to demonstrate for other memebers. See note elsewhere in newsletter about Kaypro meeting next door and future cooperation with them.

CAUG indicates in their current newsletter, that in MINER 2049ER you can start at whatever level you wish by doing the following: When the screen asks "How Many Placyers ?" you enter 6453 and the # symbol, followed by the level you wish to enter. For level 10 enter * and for level 11 enter # .

DISCLAIMER NOTICE

Neither the Editors, Editorial Staff, St.Louis AUG, its officers ,agents or members nor any of the authors of any articles nor any contributors of any capacity nor any of the other AUGS or Adam newsletters reprinted herein make any representations or warranties expressed or implied, as to the accuracy, safety, or utility of any material or information contained herein, whether from St.L. AUG, other AUGs or newsletters , either by interpretation, use or misuse . Further those above mentioned accept no responsibility for any losses or damages, direct, indirect, incidental or consequential resulting for the application, use, misuse, interpretation, etc. of the information & material contained herein. *DISCLAIMER NOTICE*

CREDIT WHERE CREDIT IS DUE

In our last issue we reprinted a page dealing with LOW TECH corrections for the Adam Printer. We indicated this was reprinted from NIAD, which is true. We now find out that the editor of MOAUG newsletter, Patricia Herrington was the one who originally sent this to NIAD. Pat does an excellent job with her newsletter.

EDITOR ITEMS #2

ST.L.AUG BBS .

Our bulletin board is now
operational. Call 773-1551 from
9PM to 1 AM THURS, FRI, & SAT.
EVENINGS.   ADAM DEFAULT
SETTINGS.
   DO NOT UPLOAD until further
notice.   Leave EMail to Sysop if
you want something from the Board.
Sysop is Al Fitzgerald.
I called our BBS recently and was
very favorably impressed.   I
suggest that any members without
modems consider purchasing them
now while the price is low.
When you first call the Board and
are asked for an ID# , name or
handle, TYPE NEW and the Board
will walk you thru the signup
procedure.   Even I was able to
do it , so you know its not that
hard.
Other choices you will be given
later include the following:

UD,UDx	Data Library systems
B,Bx	Public Message systems
M	Private Mail
G,Gx	General Bulletin Files
P,Px	Other subsystems
SM	System maintenance
E	Terminal parameter edit
PW	Change pass word
W	Electronic Wall
BBS	Local BBS listings
ADAM	ADAM BBS listings
HELP	Help screen
F	Feed Back
O	Log Off
+	Fast Log off
C	Chat with Sysop
U	Re-read system rules
I	System Configuration
Q	Quit from subsystem
TD	Local time & date
ST	Current status

INSERT key will freeze the screen
scrolling and allow you to make
notes, etc.
Space bar aborts most text
reading.

SHARE WITH US

We welcome articles, commments,
reviews, etc.   Whatever pertains
to ADAM and may be of benefit to
other ADAM owners.
Please send us your articles on
ADAM subjects, reviews of ADAM
hardware & software, comments,
hints, suggestions, helps, etc.
We will be glad to print these for
the benefit of other ADAM ownrs.
If you have a question or problem,
we will be glad to print that
also.   However, since your editor
has a limited technical
background, we will rely upon
other readers to respond.
It is important to get as many
Adam owners working together as
possible.

ADAMZONE NEWSLETTER
See full page announcement
elsewhere in this newsletter.   Our
member Eric Danz of ADAMZap Co.
has announced a new Adam
Publication by his ADAMZONE
Publishing Co.   I urge all our
members & readers to support this
project.   See full page
announcement for subscription
information.

+++++++++++++ AWAUG +++++++++++++
   Adam Washington Area User's Group

INFORMATION, SUPPLIES AND SOFTWARE
 >>> FOR YOUR ADAM COMPUTER <<<

Members get:

*   Access to our ADAM bulletin board
*   Our excellent and informative
      Bi-monthly newsletter
*   Access to a HUGE base of public
      domain software which will run
      on the ADAM computer
*   AWAUG exclusive: WordStar 3.0 for
      the ADAM
*   Hardware available usually at
      group discount rates
*   Hotline support for hardware and
      software problems
*   All this for only $15 per year?

Send $15 to:
   Bob Blair, AWAUG President
   7814 Worthing Ct.
   Alexandria, VA 22310
   (703) 971-6465

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ST.LOUIS      USER  GROUP
  Public         Domain
Software       Library

Members          Others
Disk $5.00    Disk $8.00
Tape $6.50    Tape $9.50
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1. Smart Filer 27 D
2. Adam Link II
3. Super Subroc
4. Trolls Tale
5. Adam Diagnostic
   (Need 64 K Ext.)
6. Video Hustler (Pool)
7. Wizmath
8. Family Feud
9. Hard Hat Mack /
   Pin Ball Constr.
10. Jeopardy
11. PSAN 1988 Calendar
12. PSAN Toolkit I
    (Music/Sounds from Adam)
13. PSAN Toolkit II
    (Utilities,Cruncher,)
14. PSAN Toolkit III
    (More Utilities)
15. PSAN Toolkit IV
    (Hacker's Helper)
16. PSAN Toolkit V
    (More Helpers)
17. Smart Basic 2.0
18. N&B Utility # 2
19. N&B Disk Formatter
20. Cabage Patch Kids
21. Yokes on You
22. Fall Guy
23. Plink program list
24. CompuServe list
25. Documents # 1
26. Documents # 2.
27. Hector Sanchez Donation
28. MOAUG Bonus 2/28

We thank Metro Orlando AUG (MOAUG)
For donating this disks to our
PD Library.

Mike Keith will be at the next
meeting and will again bring
MegaCopy. If you would like to
have a few tapes formatted bring
them with you. It would save
time if you drilled them out
ahead of time. If you want a
flippy format, be sure and drill
both sides of the tape.

ACTING LIBRARIANS

Courtney Wilson
Steve Murphy

NEW &/OR FEATURED
PD SOFTWARE

Documentation for BONUS! MOAUG february, 1988

The files are designed for experimenting with the altered
boot block routine by Digital Express, allowing you to have
a picture on your screen while BASIC loads. You will need
to add BASIC to your medium.   You can use the files on
this medium to view high resolution graphics , RLE pictures,
and SmartPaint formatted pictures.

The files on this BONUS! medium are:

BootPic... File that boots the opening screen. The frowning
face next to it in directory means that it is a "system"
file like the BASIC program; you cannot run it. It
operates automatically when you reset computer with medium
in drive.

BASICPGM... this is the BASIC language program.

BPdeluxe... Takes a hi-res picture from screen & stores on
medium, giving you a Bootpic file on your medium which will
load your picture when pulling reset. To see its effects,
you need to put the BASIC program on your medium afterward;
use EZfileXFER or BASICcfer to do this.   To use BPdeluxe,
you must have a picture on your screen to start with.

EZfileXFER transfers any file from one medium to another.

Pix.MGR... allows you to load & save high resolution
pictures in several formats, including RLE (the type usually
transferred by modem), HGR, and SmartPaint format pictures.
To run Pix.MGR, enter the command HGR (return), then BRUN
Pix.MGR (return). Pix.MGR also allows options for changing
the background screen, etc.—

ezFILExfer is a binary converted version of EZfileXFER
above. It works exactly the same but loads faster.

BASICxfer is a program for the specific purpose of
transferring SmartBASIC 1.0 from a medium in one drive to a
second medium in a different drive, even if there are
already files on the second medium.

Volume: BONUS!_2/88

	12	BootPic
	28	BASICPGM
*A	7	BPdeluxe
*A	9	EZfileXFER
*H	6	Pix.MGR
*H	8	ezFILExfer
*H	3	Purple.HRP
*H	3	Purple.HR2
*H	3	Purple.HR3
*H	3	Purple.HR4
*H	3	Sunset.HRP
*H	3	Sunset.HR2
*H	3	Sunset.HR3
*H	3	Sunset.HR4
A	1	HELLO
A	3	BASICxfer
H	6	READfirst
A	1	purple
*A	1	VIEWER
*H	3	SLAUG.HRP
*H	3	SLAUG.HR2
*H	3	SLAUG.HR3
*H	3	SLAUG.HR4
*H	8	EZfileXFR2

29 Blocks Free

COMPUSERVE LIBRARIAN:

Al Fitzgerald.

Cost based on down load
time, media costs & mail.
Full list of programs
provided on disk $5;
on tape for $ 8.

3

PUBLIC DOMAIN

This continues a previous project to make Adam Owners aware of the various sources for PD software available to them.

NIAD, POBX 1317 Lisle Il 60532 (membership $19/yr) make available to members some of the best written public domain software available including the following areas: (1) Coleco PD items; (2) SmartBasic (25 different volumes); (3) Smart Logo (3 vols.); (4) AdamCalc (2 vols.); (5) Basic Utilities (2 Vols.); (6) CPM (42 vols.); (7) pinball games ; and more.   Again these are just for members. Send SASE to request list of PD software & their membership application.

AWAUG, Washington Area AUG has many very good PD software programs available at very reasonable prices. Due to problems in working out a reprint agreement with them, I will NOT be able to publish a list of their programs in this issue of the newsletter.   Send SASE to AWAUG 7814 Worthing Court Alexandria VA 22310. I have purchased some of their software and it is good.

ST.L.AUG has some very good PD software, a list of which appears in each issue of its newsletter and is available to both members & non-members alike.

DIGITIAL EXPRESS POBX 37 Oak Hill WV 25901 has some of the best and most professionally written public domain software available. It is of commercial quality. This is probably because much of it is professionally written. Rather than charge for every little thing they produce, they have donated many many programs into public domain. Send them a SASE (2 stamps) to receive their 15 page list of PD software which consisted of six libraries consisting of 57 individual volumes and more than 6.5 MB of programs as of March 1, 1988. More is being constantly added. Digital Express publishes **NIBBLES & BITS NEWSLETTER** and subscribers to the newsletter, receive the PD software (& other items including commerical software) from Digitial Express at reduced member rates. Nearly all of them come with some instruction.
Their SmartBasic 1.0 Library contains games, graphics, math and utilities. A separate Graphics library contains pictures, art, fonts, clips, sprites, letter heads,etc. for use with various commerical graphics software. Their Coleco PD Library contains many of the much sought after Coleco programs which are now PD.   Their CP/M 2.2 Library contains games, utilities, etc.   There also is a Pinball Games Library and a Miscellaneous Collections which includes Multiwrite improvements by our own Jim Guenzel, as well as the excellent double disk formater. You really should send in for their complete catalog.

Metro Orlando AUG 1003 Oak Ln. Apopka Fl. 32703 has an excellent PD library at reasonable prices. It contains many of the same programs found in gHAAUG & Nibles & Bits PD libraries, as well as some more unique items.

PUGET SOUND ADAM NEWSNET or PSAN 22607 SE 322nd, Kent WA 98042 has some of the very best PD software I have seen from an AUG. Its Toolkit series of utilities is one of my personal favorites and all are very well write & very professional in nature with many innovations in menus & directories.   Very reasonably priced. Send SASE to them for their list of PD software which is available to members & non-members alike.

PRODUCT: FASTRUN v2.1
MANUFACTURER: PRACTIAL PROGRAMS
PHONE: (616) 345-0665
MEDIA TYPE: FLIPPY DATAPACK or DISK
PRICE: 14.95 US$
RATED BY: JIM DUFFY

The purpose behind this program is to be able to load and save smartbasic programs super fast.This program is very nice for disk drive owners and a must for DD drive users. Some of the features of FASTRUN are:

Save any smartbasic program up to 4 times faster.
Load or run converted programs up to 11 times faster.

Once loaded into memory FASTRUN will remain there waiting for the "fr" command for easy program conversion.

Reduces the storage size of larger programs.

Current screen colors are automatically saved.

Includes program to easily copy FASTRUN.

For those of you who have "TURBOLOAD" Practical Programs will give you a package deal including BASIC MANAGER (reviewed in last months issue by Jim Guenzel) and FASTRUN for 10.95 US$ upon recieving your original Turboload datapack or disk.Considering you get MULTI-LOADER free with any software puchase it seems to be a pretty good deal.

Other than a couple of minor bugs in my copy I would highly recommend FASTRUN to any DD drive owners and recommend it to any impatient disk drive owners.
I would say this product is more userfriendly than Turboload and has more functions,the only drawback or improvement I can see would be the instructions to either simplfy or give more examples for the average user.

It is really nice to be able to put a datapack with MULTI-LOADER and FASTRUN in the data drive and not have to wait all day to run a smartbasic program.I hope the people at Practial Programs keep coming out with new software for ADAM like this.

OVERALL RATING 9 DD DRIVE USERS AND 8 DISK DRIVE USERS.

PRODUCT: MEMSWAP v1.0
MANUFACTURER: PRACTICAL PROGRAMS
PHONE:(616) 345-0665
MEDIA TYPE: FLIPPY DATAPACK or DISK
PRICE: US$ 14.95
RATED BY: JIM DUFFY

First of all MEMSWAP requires exclusive use of the 64k
memory expansion board.This is not a part of your original
adam system and must be purchased separately.This program
works with most smartbasic v1.0 and not smartbasic v2.0
operating systems.

MEMSWAP is just what it sounds like a memory swap which
allows you to keep three programs for easy use.One program
is in normal memory and two are stored in the 64k expansion
memory. SW1 and SW2 smartbasic commands swap the current
program,drive and screen colors stored in the first or
second program storage channels in the 64k expansion
memory.Also included is the "copyMS" file to copy MEMSWAP to
datapack or disk and select either automatic run "y" or "n"
to not have your program run after memswaping.MS=run program
ms=do not run program.Memswap may be run anytime after
smartbasic is loaded.

MEMSWAP is a nice program to have allowing you to access two
programs other than the one in current memory without having
to catalog or load filenames from data or disk drive again.
One of my favorate uses of MEMSWAP is to have it directly
load Pro-Load (see Jim Guenzel's review in last months issue
on MULTI-LOADER which also comes with this program) with the
"run file" command.By doing this you have easy access to
file names and can load your three programs using Pro-load.

For what it does using the 64k memory board this is a useful
product I just have to wonder if they have anything in mind
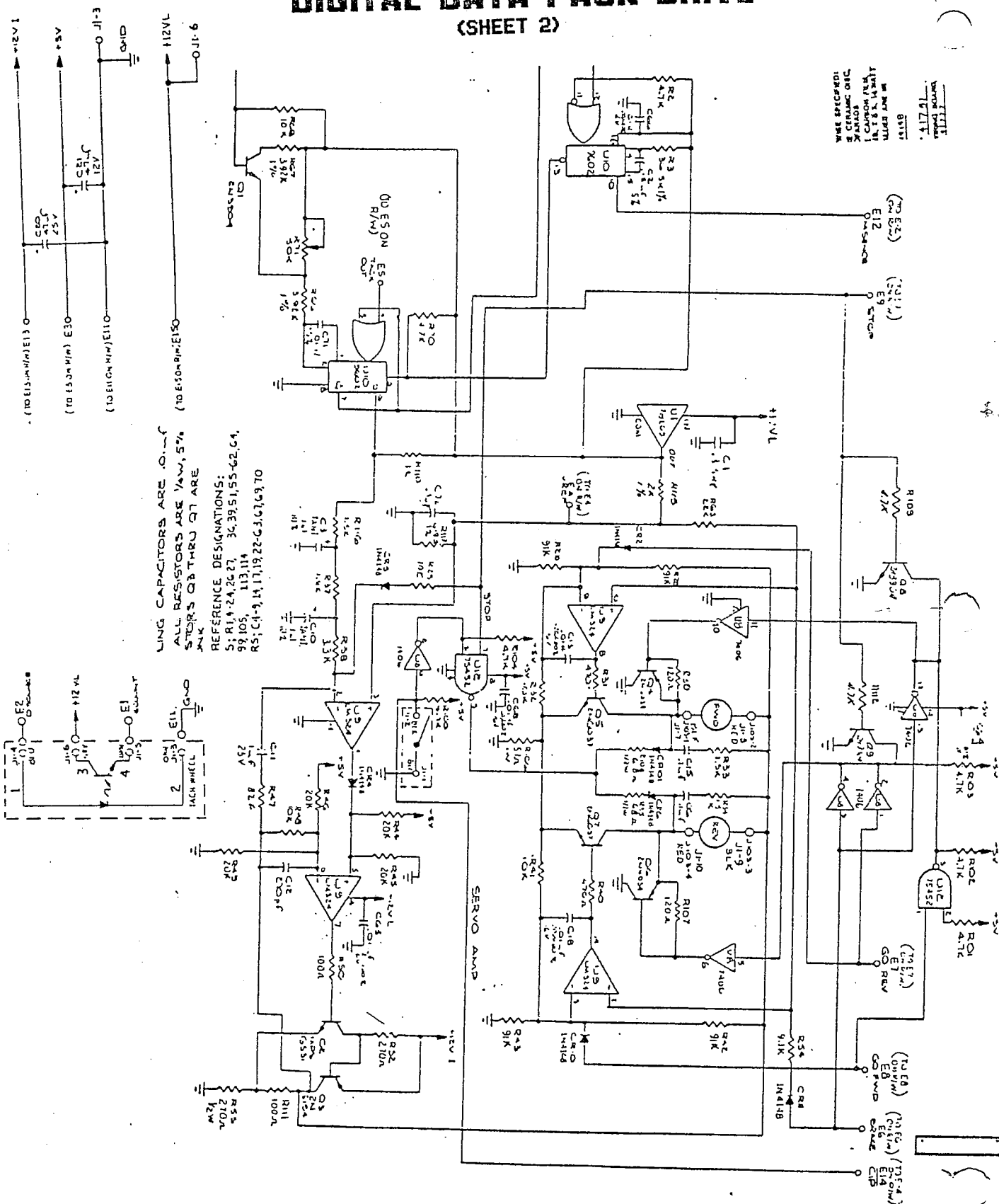in the near future for the 128,256,and the 512k expansion
memory boards!

OVERALL RATING 10
INSTRUCTIONS 9

SCHEMATICS FOR THE ADAM
DIGITAL DATA PACK DRIVE
(SHEET 1)
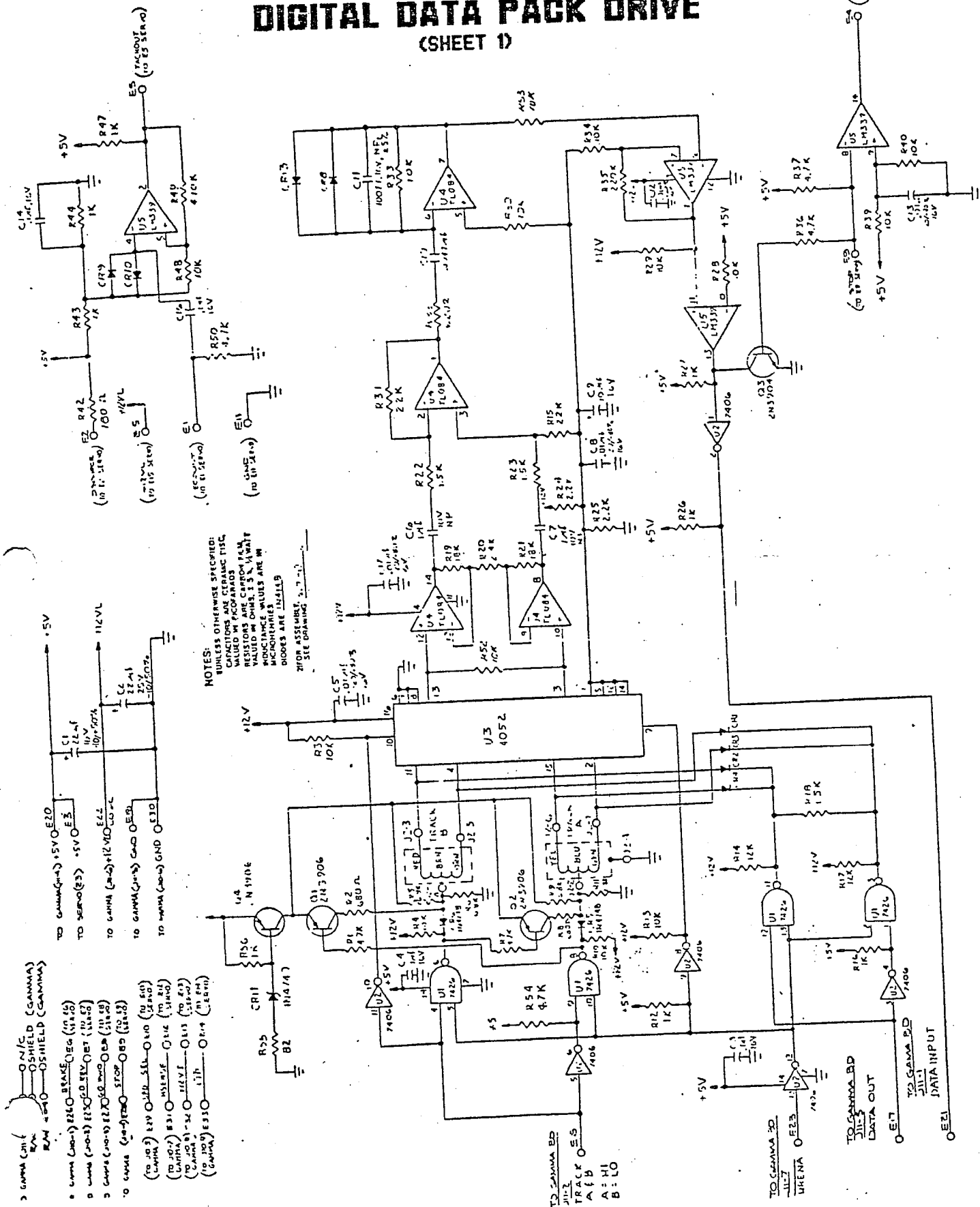
SCHEMATICS FOR THE ADAM
DIGITAL DATA PACK DRIVE
(SHEET 2)

FROM PREMIER ISSUE OF VIDEOGAMING & COMPUTER NEWS Mar/Apr 1988

AWAUG (Adam Washington Area User's Group) has an **ADAM BBS** at 703-922-5497 with 8 bits, No parity checking & 1 stop bit. Hours are Mon - Thur. 6PM to 6AM, Fri-Mon continuously.

WORD STAR 3.0. AWAUG is also distriubting Word Star 3.0 to its members for $ 20; no update to 4.0 allowed at this price. Membership is $15.00.

RETAILER OF ADAM HARDWARE / SOFTWARE
SM VIDEO, 703-620k-4485, POBX 313 Oakton VA 22124 is another retailer of ADAM hardware & software. Send SASE to them for their catalog.

GO.COM FOR CP/M.
PH (?Peter Hartzler) writes in the March AWAUG that in standard ADAM CP/M 2.2 you execute a program by typing its name at the CP/M prompt; if you want to run a program twice in a row, you simply type the name over again and the computer RE-READS the program into memory. A FASTER WAY is to use GO.COM a program which restarts the last program run withOUT having to re-read it into RAM.
At the CP/M prompt type this line: SAVE 0 GO.COM. (Thats save ZERO not the letter O). GO.COM is now in the directory taking up exactly NO space and only 1 directory entry. Type GO and the last program run will run again ,withOUT any delay for re-reading into memory, unless you have overwritten it somehow.

BUILDING YOUR OWN SERIAL / PARALLEL INTERFACE
Peter Hartzler also writes in the March AWAUG on HOW TO BUILD YOUR OWN SERIAL/PARALLEL INTERFACE along with Directions, diagrams, etc.

OTHER NEWSLETTERS.
The St.L.AUG copy of the other AUG newsletters received is being placed in binders and will be made available at most of our meetings for the benefit of our members.

SLKUG (St.Louis KAYPRO Users Group) also meets at the Thornhill Library on Saturdays. We had the opporunity to talk with several of their members and officers, including Bob Ballard their Secretary.
They have separate sections for CP/M and MS-DOS, both of which run on the Kaypro.
They have a very large library of CP/M software which they offered to make available to us. GEORGE JENKINS is working with them to see how this would be accomplished. Apparently the best way to do this is thru Modum to Modum transfer. They could upload the CP/M programs from their Kaypro thru their modum , George could download the program thru his modem to an ADAM CP/M tape or disk.
Sounds good in theory, we will have to see how and if it works. We appreciate the cooperation of the SLKUG group and Geo. Jenkins taking the time to work on this. Joint purchases are another option we may want to investigate. We will also be exchanging newsletters with them. The St.L. AUG copy will be placed in a binder and made available at meetings.

C.A.U.G. or Colorado AUG now exchanges newsletters with us. Again the ST.L. AUG copy of their newsletter will be placed in binders and usually available at meetings. A couple of very good ideas from CAUG are the following: (1) They have contacted all the Pawn Shops in their area and when any Pawn Shop gets in ADAM items, they contact CAUG to see if a member wants to purchase it.; (2) They have a, membership card and have gotten some local (Colorado) area Computer stores to give a discount to members on purchases, such as disks, etc.
I NEED A VOLUNTEER TO WORK ON THESE IDEAS LOCALLY to see if we could benefit from them. ANY VOLUNTEERS, please contact an officer of SLAGU.

ADS & ANNOUNCEMENTS

AUG NEWSLETTERS

The following newsletters from other
AUGS will be placed into our St.L. AUG
library at the next meeting and will
then be available for review by
members at meetings, etc.
1. Mar/Apr Videogaming & Computer News
(Premier Issue).
2. April St.L. Kaypro News
3. March AWAUG
4. March NIAD
5. April PSAN
6. Mar/Apr Adam Link
7. April Inland Empire AUG
8. April gHAAUG

DISKS FOR SALE
St.L. AUG now has available for sale 5
1/4 inch disks priced at $1/2 or $/3
if 30 or more are purchased at one
time. Call **AL FITZGERALD** prior to
each meeting to order and you can then
pick them up at the meeting.   These
are very good disks, I just got 50 for
myself.

WANTED***WANTED
1. Instructions for Video Tunes
program.
2. Secretary for our group.   IF no
volunteers by next meeting we will
draft someone.

MEETING PLACE & TIME SET

The Thornhill Library (Map enclosed)
has been chosen as our meeting place
for the balance of 1988.
Meetings will be held the second
Saturday of each month from
12:30 - 4:00.

Bring blank media to copy PD software
at meeting.   Bring software to
demonstrate for others.
Bring Hardware to help set up at least
2 Adam Systems at meeting.
ETC..

IF you want to buy or sell any ADAM
item, place a free (to members) Ad in
our newsletter.

ADAMCALC INSTRUCTIONS

Norman Castro of the Omaha AUG
809W 33rd Ave. Bellevue NE 68005
has COMPLETE instructions for
Adam Calc including quick
reference guide, appendixes,
glossary & index. Cost $8
including postage & handling.
Norman also has a very complete
set of instructions for games
for Adam, Atari etc.   NEW
instructions include Super
Zaxxon(Adam) & Astro Chase
(Atari).   Write him for a
complete list SASE.

HECTOR SANCHEZ COLECO SOFTWARE
Hector Sanchez has just
purchased some discontinued
ORIGINAL ADAM software complete
with instructions, program &
plastic holder. He is making
this available to our group for
$3.00 PLUS mailing & handling.
Send $3 per item PLUS an
additional $5. Hector will
refund any unused postage.
Available: ExperType (DP);
SmartFiler (DP); ADAM Calc.
(DP); Smart Letters & Forms
(Disk). SUPPLIES VERY LIMITED
Order NOW.
Hector Sanchez, 3606 Swiss
Corpus Christi TX 78415.

WANTED***VIDEOTUNES INSTRUCTIONS

Courtney Wilson is interested in
obtaining VideoTune
Instructions.

DUES,DO'S & DON'T'S:
If you DO not pay your DUES we
DONT send any more newsletters
to you nor are you entitled to
any of the privileges of an
active member.

10

REPRINT SECTION
## FROM OTHER ADAM GROUPS
for use with
ADAM™
THE COLECOVISION
FAMILY COMPUTER SYSTEM

The reprint section in the St. L. AUG Newsletter reprints articles and items of interest from OTHER newsletters and user groups.

This is done for the purposes of providing the information contained in such reprints, to show our members what else is available for ADAM, and to give exposure to other user groups and newsletters.

Information, including address and costs of the other users groups and newsletters utilized in our reprint section are available from Barry Wilson for those interested.

In addition, from time to time, we request sample copies of entire newsletters from other user groups. We usually provide stamps and mailing labels.
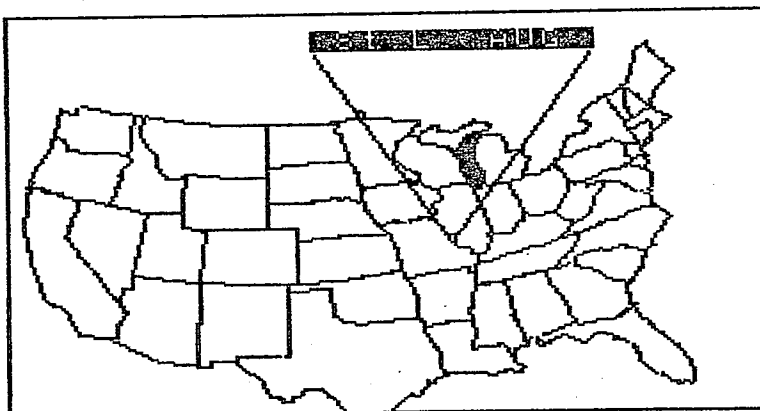
MORE NEWS FROM ORPHANWARE—

Orphanware has now extended the warranty on all interfaces and memory expanders to a full 3 years! This includes all boards already in service.

Also, if you have been considering converting your Coleco disk drive to one of the new 320K double-sided drives or the 720K 3.5 inch drives, take note. Orphanware is now selling a disk drive conversion KIT. The kit will include the software, system eprom and full instructions. You must do the work necessary to complete the job. It requires some soldering skill and electronics experience. However, the price is unbelievable:

> 320K for $25.00
> 720K for $35.00

Finally, Orphanware is about to go into full time retail sales. This change will result in lower prices on all Orphanware products since there will no longer be lower prices for wholesalers. As "Big John" (owner of Orphanware) stated, "I want everyone to know that Orphanware is here to stay and will do all we can to support the ADAM and all ADAM users."

NEWS FROM DIGITAL EXPRESS—

PowerPaint, a comprehensive graphics design program, continues to get rave reviews from ADAM users across the country. This program allows you to create and save graphic picture files, and gives you the tools to design very professional-looking pictures. What's more, the program allows you to print out your picture on a dot matrix printer so that impressive page layouts can be created.

The program requires an ADAM with a 64K memory expander. The 64K expander is necessary since the PowerPaint program itself is 80K! The 64K is used by the program for storing your picture as it is being created.

To get your copy, send $44.95 + $3 shipping & handling, to Digital Express, PO Box 37, Oak Hill, WV 25901.

Other new products from Digital Express include:

1. SwiftDisk. This software package fools the ADAM operating system into thinking that your memory expander is a second tape drive (even if you have only one tape drive). This makes it possible for other Coleco software, such as ADAMcalc, SmartWriter and SmartLOGO, to access your memory expander for file storage. The package requires MegaDisk 1.0 (also available from Digital Express) and is recommended for those with memory expanders of 128K or larger. The price is only $11.95, or $9.95 for Nibbles & Bits

subscribers.

2. PaintAide. Just what the title implies, PaintAide is a software package to be used with PowerPaint. This program allows you to customize your PowerPaint program so that you can have pre-installed fonts and background colors. More importantly, the package comes with twenty sets of FontPOWER font sets. Font sets are used by PowerPaint to make custom page layouts and fancy titles for pictures, greeting cards, announcements, newsletters and so forth. Whats more, the font sets can be used in your own SmartBasic programs to give a really professional look. As an added bonus, a program is also included which will convert any FontPOWER font set to a SHAPE TABLE that can be used in the graphic modes (HGR & HGR2) of SmartBasic. The price for this package is $21.95 or $16.95 to Nibbles & Bits subscribers.

3. Beyond Trek & Chess Champ. If you love new games, here are a couple that are sure to challenge you. Beyond Trek is a graphic game in which you try to protect your four starbases while trying to eliminate the enemy Klingons. The game has four skill levels and a "Hall of Fame" screen for high scores. Chess Champ is a graphic chess game that you play against ADAM. It has seven skill levels and a "save game" feature. The game requires at least a 64K memory expander. Get Beyond Trek or Chess Champ for just $19.95, or $14.95 for Nibbles and Bits subscribers.

4. Mega System-XR. If you own one of the Orphanware memory expanders (256K or 512K), this package is for you. MegaSystem-XR will allow you to switch INSTANTLY between several great programs including SmartBasic, ADAMcalc, ADAMlink II, and SmartWriter. It also includes an electronic notepad, clock and calendar program (requires EVE SS/CC interface), file utility program, chart and graph assembler, and file printing utility. The cost is $39.95, or $34.95 to Nibbles & Bits subscribers.

BBS HINT FROM PSAN AUG

It is also a good idea to save a record of your call by opening a file and storing the information. That way you can review it after you are done calling so your next call will go more smoothly. To open a file, press the WILDCARD key to go into command mode. Press SmartKey VI (FILE). Now press SmartKey II (RECEIVE). You will be prompted for the drive and filename. When finished, press SmartKey V (DONE). You are now back into the command mode. Press the WILDCARD key, and you will be in terminal mode. Now everything that you see on your screen will be saved in the file! When done, press the UNDO key to close the file.

13

ORPHANWARE now has a patch available for Coleco's ADAMcalc spreadsheet program that allows you to use a standard parallel interfaced dot matrix printer. The program is being marketed by Orphanware for $9.95 (plus S/H). CALCPAT was written by Thomas E. Clary. The BASIC program reads a block from your ADAMcalc backup, changes the print output, and then writes the new data back to your disk or DDP.

################

Panasonic printers are at the lowest prices ever. If you are planing to get a dot matrix printer now is the time to buy. The most popular parallel printers used by ADAM owners is the 1080i, 1091i, and the new 1091i-MII. Check around to get your best price.

################

Syd Carter of TRISYD VIDEO GAMES has updated the software for his MEGACOPY data pack formatting unit. This latest version has some color changes, clears up the block 64 problem, removess the program's copy protection, and is bootable from disk.

################

E & T Software has moved to 1010 Westminster, Garland TX 75040. Write for the new catalog of products for the ADAM computer.

################

Anthony Yulo says, an even better program than the EDIT program from Hackers Guide is CP/M's DDT. You can transfer SmartBASIC programs to CP/M with ADAM.COM and back to SmartBASIC with CPMADAM.COM. To change programs or merge them together just POKE a 201 into 6356. This will disable the NEW command in SmartBASIC and allow you to load two, three, etc. programs into one large one. The only drawback is that if the programs have the same line number, the latest one will be kept and the old ones erased. Be sure to POKE a 205 back when you are done. Are you limited to only 128 characters per line in SmartBASIC? If you POKE a 239 into 12185, this will increase your line length to 239 characters. This will allow you to put more commands on one line and save your memory because each BASIC line uses 5 bytes per line.

################

FAMILY COMPUTING Magazine will change its name to FAMILY IN-HOME-OFFICE COMPUTING this month. Information from readers show 65% of them work out of their homes.

NewMArizTexaCol Programmers Group of 7641 Raasaf Blvd., Las Cruces, NM 88005 has a new study course out for all of you learning Machine Language. Called HACKERS HELPER, and in several volums, it is a must for anyone writing in Machine Language. Price for Vol. 1 is $18.00.

################

Patricia Herrington of Metro Orlando Adam Users Group will ge giving out the first five chapters of a course in BASIC to its members. The BASIC course originally written by L.C. Austil of gHAAUG has been re-written by John and Francis Terry to meet the needs of MOAUG members. The course will be on two tapes of five chapters each as a free bonus to members, but all ten chapters will be put on one tape for those who don't come to meetings.

################

News from Buck Rogers - Buck has been under the weather from a Mosquito bite. He was apperently bitten by one or more carring "Encephalitia Virus." This disease is serious in horses and is capable of being transmitted from a horse to man by the insect from the blood of an infected horse. Buck informs me he will be answering mail soon.
Buck also is making a revision in the subscription schedule of "ADAMLAND NEWS." "We are going to try a temporary system that will mean 10 issues of the newsletter each year, instead of 12." We wish Buck a speedy recovery.

################

WALTERS SOFTWARE has a hidden Bonus in MEDIA-AID+. The program will copy by FILE Multiblock directories. Many ADAM Users Groups are beginning to distribute their Public Domain programs on MultiBlock Directories so that more than 35 programs or files can be given on one disk or DDP. This will give you 159 blocks for your programs, etc.

################

From Ray Dougherty comes this news--ADAMcalc has a surprise screen that you can see. After you insert ADAMcalc and pull the reset switch, a menu will ask whether you want help or not. At this time, press the UP ARROW and the RIGHT ARROW keys together, then type carefully "surfnazi" in lower case letters without the quotation marks. The screen will produce letters and graphic art, and "initials in a tree trunk."

/4

DIGITAL EXPRESS has now released twelve commercial software titles for ADAM, the latest being MegaDisk 1.0. The primary program (Z80) in this package creates a ramdisk for the new, large Orphanware XRAM boards. The MX-128, MX-256, and MX-512 come with some very impressive CP/M 2.2 patches including access to a larger ramdisk. MegaDISK allows you to access the expansion RAM as a large ramdisk for your own Z80/EOS and SmartBASIC 1.0 programs.
Their eithth and ninth collections of PD SmartPAINT picture files are now ready. This makes 136 Public Pictures to choose from.
Also completed is the third "EZ Reference Guide." EZ Ref 103 contains many charts that have appeared in previous issues of N&B, and it includes a fairly detailed study of the ROM based EOS. The retail price is $2.45 or $1.95 to members of N&B.

#####################

E & T Software will begin publication of a newsleter this month. Software usage will be part of their content. Subscribers will be given discounts on purchases of E & T Software products.

#####################

D. L. Decker Enterprises has Coleco Game Controller extension cables 10 feet long. ..

#####################

gHAAUG has. found it necessary to charge $15.00 dues in 1988. Terry Fowler, editor said $12.00 of this offsets the cost of the newsletters and media sent monthly plus regular expenses of the club. For information writhe: gHAAUG NEWS, P.O. Box 800801, Houston, TX 77280-0801.

#####################

Just before going to press, we have been informed that Strategic Software is releasing a DESKTOP PUBLISHING Program for the ADAM. We understand that this fantastic new program is a very enhanced version of their popular SIGNSHOP, and that the picture editor is much more powerful. It should be released by the time you get this newsletter. No price was available.

#####################

Don Perlamn of In House Service Reps has plans to offer a 256K and 512K memory expander in the next few months.

VIDEO SONGS has a special gift for purchasers of both their "BEATLES" and "POTPOURRI" albums. When you purchase both disks, they'll also send you FREE a BASIC bonus pack with six menu driven public domain programs. You must have VideoTUNES by FutureVision to use the albums.

###############

Alan Neeley, of ADAM-LINK of Utah, is offering the CNET BBS as FREEWARE for $20. This is a comprehensive BBS written primarily in BASIC by many authors. It comes on 3 disks and the price includes preliminary docs and any help needed to get the system running on your ADAM. It requires that you have two disk drives to run effectively. He will also build an auto-answer device for $20 or $15 if purchased with the BBS...

###############

ORPHANWARE has several projects in the works. They are working on an ADAM compatible 720K 3.5' disk drive. Also a chip that will permit multiple disk drives. another project is an interface for attaching a 20 meg hard disk drive to ADAM. Orphanware currently has a double sided disk drive upgrade for $125. Your drive will be returned with the new heads and programs for formatting for EOS or CP/M. They are also offering a short kit for making your own 64K expander. The kit is $10 and comes with the PC board, test program on disk, instructions, and a list of vendors for obtaining the chips.

###############

M. W. Ruth Co's new catalog is off the press and ready to go. The new issue has a nice color cover and is dedicated to ADAM, Amiga, Atari St Series as well as Video Games. You have 15 pages of ADAM software and hardware to order from. The catalog also has a Classified Ad section and in all has 42 pages of good stuff to order. To get a copy send $1.00 to: M.W. Ruth Co., 3100 W. Chapel Ave., Cherry Hill, NJ 08002.

####################

NIAD has TEXT ADVENTURE GAMES ready. This is the second in the NIAD GOLD series. The program is self booting and a menu is automatically loaded that desplays the available programs which can be selected by hitting the enter key. Games included are LIGHTHOUSE, JEWEL HUNT, ADVENTURE, TREASURE ...

OVER THE PHONE LINES

by David E. Carmichael

This month my article is a user's review of one of the many locally operated ADAM support ELECTRONIC BULLETIN BOARD SYSTEMS. This system is ran by the local ADAM users group ADAM-LINK OF UTAH.

Salt Lake City ADAMLINK BBS
(801) 484-5114
C-NET ADAM VERSION 3.1A

OPERATING FROM:
7pm to 7am Mountain time, Monday thru Friday, 24 hours on weekends and on holidays

If you're using the ADAMlink software, your modem PARAMETERS should be at the DEFAULT SETTINGS. If using other modem software, set your modem as follows:

FULL DUPLEX, 7 DATA BITS, 1 STOP BIT, EVEN PARITY, AUTO-LINE FEED OFF

The following is a list of the system's MAIN commands:

```
UD,UDx  download subsystem
B,Bx    public message subsystem
M       private mail subsystem
G,Gx    general bulletin files
P,Px    program files (special)
SM      system maintenance subsystem
E       terminal parameters editor
PW      change your PASSWORD
W       the electronic wall
BBS     local BBS listings
ADAM    ADAM BBS listings
```

Bulletin board command level:
```
P    post a public bulletin
Rx   read specific message x
S    scan message headers
Kx   kill specific message x
K    kill messages
L    list available boards
M    feedback to SubOp
V    view SubOp
x    change to specfic base x
<,>  forward/back one board
```

Commands available from any level:
```
F    feedback to system operator
O    logoff system
+    fast logoff
C    chat with system operator
U    re-read system rules
I    sytem configurations
Q    quit from subsystem
TD   local time/date information
ST   your current call status
```

The system has a number of message bases where different topics are covered. Even though I have listed most of the OPEN ACCESS areas of this BBS, you will only be given access to one or two of the message bases until you are given higher access.

Sub-Boards:
```
1. General Area
2. SPORTS
3. Hooter's Place
4. GAMES AND JOKES
5. Hackers Delight
6. ADAM-LINK of Utah
```

I find it very enjoyable to call this local BBS. The users are willing to help. To top this off, this bulletin board system is FULLY ran on the ADAM in SmartBASIC / EOS!!

But, I find that the program the BBS is running from needs two minor changes / updates. (1) The adding of commands that will let users read only NEW messages left since the last time the user called. (I understand that Alan Neeley, this system's head sysop, is already working on adding this feature.)   (2) Adding XMODEM protocol to the file transfer sub-programs.

If you live in the west, be sure to give this ADAM support BBS a call!

Now on to another topic.   As I type this (Mid-November), I am watching the FCC / TELECOMMUNICATION HEARINGS on C-SPAN (the CONGRESS SATELLITE SYSTEM) on my local cable system and it does not look good for us users of PACKET SWITCHING DATA COMMUNICATION BASES, eg, CIS, PLink, TELENET, ect. systems. It looks like the rates will be going up! I will try my best to keep my fellow ADAM TELECOMMUNICATION users posted as to what is going on.

Name of Game	Created By	Issued By	Disk	Note
A.E.	Broderbund	Coleco	???	13
Alcazar	???	Activision (1986)	???	
Alphabet Zoo	Spinnaker (1983)	Spinnaker (1984)	16k	
Amazing Bumpman	???	CBS	???	NS
Antarctic Adventure	Konami (1984)	Coleco (1984)	16k	
Aquattack	Interphase	Interphase (1984)	16k	
Artillery Duel	Xonox	Xonox (1983)	16k	
Baseball	Coleco	Coleco (1983)	24k	22
B.C.'s Quest	Sydney	Sierra (1983)	16k	
Beamrider	Cheshire	Activision (1984)	16k	
Blockade Runner	Interphase	Interphase	16k	
Boulder Dash (50 lives)	First Star	Microsoft (1984)	16k	
Boulder Dash	???	Coleco (1984)	16k	25
Brain Stainers	Carousel Software	Coleco (1983)	24k	1
Buck Rogers Planet Zoom	Sega	Coleco	20k	B
Bump N Jump	???	Coleco (1984)	16k	
Burgertime	Data East (1982)	Coleco (1984)	16k	
Cabbage Patch Kids Park	Konami	Coleco (1985)	???	
Cabbage Patch K.Park 128k	O.A.A (1984)	Coleco (1985)	???	
Cabbage Patch Pic Show	O.A.A (1984)	Sunrise (1983)	16k	10
Campaign 84	Sunrise	Coleco (1983)	16k	
Carnival	Sega	Atari (1983)	15k	
Centipede	Atari	Coleco	???	23
Chopperlift	Broderbund	Xonox (1983)	16k	
Chuck Norris Karate	Xonox	Coleco (1984)	24k	
Congo Bongo	Sega	Coleco (1983)	16k	
Cosmic Avenger	Universal	Coleco (1984)	32k	2
Dambusters	Sydney	Fisher-Price	???	
Dance Fanasty	Sydney	Activision (1984)	16k	9,15
Decathalon	SCC (1984)	Atari (1983)	24k	
Defender	Williams (1980)	Atari (1984)	32k	7
Destructor	Coleco	Coleco (1982)	16k	1
Donkey Kong	Nintendo	Coleco (1983)	16k	1
Donkey Kong Junior	Nintendo	Coleco (1984)	32k	
Dragonfire	Sherman (1984)	Coleco (1984)	16k	7
Dukes of Hazzard	Warner	Coleco (1984)	16k	
Dr Suess Mix-Up Puzzle	Coleco	Sydney (1983)	16k	
Evolution	Sydney	Spinnaker (1983)	16k	7
Facemaker	Spinnaker (1983)	Fox Video Games	???	
Fall Guy	???	Coleco (1983)	16k	
Fathom	Imagic (1983)	Spectravideo	16k	3
Flipper Slipper	Spectravideo	Coleco (1984)	32k	
Football	Coleco	Coleco (1984)	32k	
Fortune Builder	Circuits/Systems	Spinnaker	8k	25
Fraction Fever	Tom Snyder	Spectravideo	16k	
Frantic Freddy	Spectravideo	Coleco (1983)	24k	
Frenzy	Stern (1982)	Parker Bros (1983)	16k	
Frogger	Sega (1982)	???	16k	
Frogger 2	???	Coleco (1983)	24k	2,3
Frontline	Taito	Atari (1983)	24k	
Galaxian	Atari	Epyx (1984)	20k	19
Gateway to Apshai	Epyx	Coleco (1984)	16k	22
Grog's Revenge	Sydney (1984)	Coleco (1983)	24k	
Gorf	Bally (1981)	Sunrise (1983)	16k	10
Gust Buster	Sunrise	Parker (1984)	24k	
Gyruss	Parker Bros.	Microfun (1984)	16k	
The Heist	Llvesay	???	24k	
The Heist (50 Lives)	???		24k	

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each. Order or add GOWRITER to your order for a special price of only $42.95 (this month only).

DOUBLE SIDED DISK DRIVE CONVERSION KITS are now available in the 5.25 and 3.5 inch version from ADAM'S HOUSE. The kit includes everything except the drive mechanism (readily available). The 5.25" kit is $49.95, and the 3.5" is $59.95. Includes complete instructions to convert your existing Coleco Disk Drive.

A HOUSE for ADAM is in development by E & T Software. We have sent Ed the instruction sheels for modifying the Commodore 1350 House and Atari CX85 to ADAM use. The Commodore modification is by far easier. The price is not known at this time.

PAINTAIDE is now available to add additional features to PowerPAINT while fixing a few mistakes in the process. PaintAIDE requires TWO PHYSICAL drives. It modifies the PowerPAINT medium, primarily providing four sets of SPECIAL FORMS. Additionally, you may now choose two different half width fonts (MICRO and SYSTEM), three choices of full width fonts, four double width fonts, and six double sized (headline) typefaces. PaintAIDE also includes the Swift Font Kit, including 20 sets of FontPOWER font sets which allow very small lettering and many fonts. Only $16.95 from ADAM'S HOUSE, or both PowerPAINT and Paint AIDE for only $49.95. Still to come, PaintPLUS. It will require a 128K Memory Card and store several powerful features for use with PowerPAINT's Delete Key.

NEED SERVICE WORK? Philip Kosowsky repairs the ADAM console for only $50 flat. He has moved to: 8 Castillion Court, Clifton Park, NY 12065. Phone: 518 371-7482. No disk drives or moving parts!
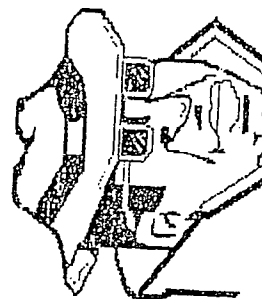
Nothing has been heard from Eve Electronics in so long that it appears they have gone on to other things. Several items, the SS/CC speech synthesizer and battery backup clock calendar unit, are only produced by EVE. Orphanware has begun work on designs for both. DEI has and continues to develop software for these products, so things should pick up in developing a voice for ADAM.

LOOKING FOR CARTRIDGE GAMES? Pleasant Valley Video [8141 Pleasant Valley Road, Camden OH 45311] assortment of ADAM game cartridges. Call them at 513 787-4704. They have a BBS, too: 513 787-3777.

SmartTERM V1.0 is an Advanced Tele Communicator for ADAM. SmartTERM was designed for use with bulletin board systems, as well as for transferring files. Several advantages are found including 40 column screen, phone library, file directories, ability to format disks, binary file transfer (to other SmartTERM users). $24.95 with documentation.

PrBOOT is new from Walters Software. With PRBOOT you can transfer up to six software programs to datapack, disk, or ramdisk. Then boot PRBOOT and select the one you want to use. Jump very fast between SmartWriter, SmartBASICS V1 or V2, MakeCALC, SmartFILER, SmartLOGO, etc. $17.95.

VIDEOGAMING and Computer News (formerly "High Lights" Newsletter) is published by M.A.D. Enterprises [2226 Patterson Ave., So. Joplin, MO 64804. Subscriptions are $19.95 for six issues. A very well done 52 page magazine of articles, ads, etc. The Jan/Feb issue was skipped due to damage occuring in a lightning storm.

Name of Game	Created By	Issued By	Size/Note	
Subroc	Coleco	Coleco (1983)	20k	1
Super Cobra	???	Atari	9k	9
Super Cross Force	Spectravideo	Spectravideo	16k	
Tapper (Root Beer)	Bally (1984)	Coleco (1984)	32k	
Tarzan	Coleco	Coleco (1982)	24k	13
Telly Turtle	Carousel (1983)	Coleco (1984)	16k	25
Threshold	Sierra	Sierra (1983)	16k	
Time Pilot	Konami	Coleco (1983)	16k	
Tomarc the Barbarian	Xonox	Xonox	???	
Turbo	???	Coleco	16k	7
Tutankhamen	Sega	Parker Bros.	16k	9
Up N' Down	Sega	Sega (1984)	16k	8
Venture	Exidy	Coleco (1982)	20k	5
Victory	Exidy	Coleco (1983)	8k	
Video Hustler (Pool)	Konami	Konami (1984)	24k	4,6
War Games	U.A. (1983)	Coleco (1984)	24k	
War Room	Harris	NAP	16k	
Wing War	Imagic (1983)	Imagic (1983)	16k	25,
Wizmath	Sierra	???	8k	25
Word Feud	Xonox	Xonox (1984)	???	
Yolks on You	???	20 Century Fox (1983)	16k	
Zaxxon	Sega	Coleco (1982)	24k	1
Zenji	Hubbard	Activision (1984)	16k	
2010 - The Graphic Adv.	Coleco	Coleco (1984)	32k	13

NOTES:

NS - Never Seen
1   Super Game also produced
2   Super Game developed but not released
3   Requires Super Action Controllers
4   Can utilize Super Action Controllers but does not require them
5   Requires Roller Controller
6   Can utilize Roller Controllers but not require them
7   Requires Driver Action Controller
8   Can utilize Driver Controllers but does not required them
9   Unsure of correct name - no title screen
10   Same games released by Sunrise on DP/Disk
11   Subtitled Diamonds are Forever
12   Concept and name licensed by Lucas Films
13   2010 - Text Adventure also released
14   Seems to be a implementation of Dr.J./Larry Bird One on one.
15   Similar to Summer Games
16   D+L=Imagic
17   Full title - It's only Rock 'n' Roll
18   Full title - From out of the Jungle..Tarzan
19   Temple of Apshi Super Game created and never officially released
20   Talkie games
21
22   Released on DP/Disk as the Best Of B.C.
23   Released on DP/Disk as the Best of Broderbund
24   Will not run using Super Action Controllers
25   Educational

Name of Game	Created By	Issued By	Size	Note
Illusions	Nice Ideas (1984)	Coleco (1984)	16k	
James Bond	Parker Bros.	Parker (1984)	16k	11
Juke Box	Hankanson	Spinnaker (1984)	16k	
Jumpman Junior	Epyx	Epyx (1984)	16k	NS
Jungle Hunt	Taito (1982)	Atari (1984)	24k	
Ken Uston's BJ-Poker	Coleco	Coleco (1983)	16k	
Keystone Kapers	Kitchen (1983)	Activision (1984)	16k	
Lady Bug	Universal	Coleco (1982)	16k	
Lancelot	Xonox	Xonox (1983)	16k	
Learning with Leeper	Sierra	Sierra (1983)	16k	25
Linking Logic	SCC	Fisher-Price (1984)	16k	25
Logic Levels	SCC	Fisher-Price (1984)	8k	
Looping	Venture Line	Coleco (1983)	16k	
Memory Manor	???	???	???	NS
Miner 2049'er	Livesay	Microfun (1983)	24k	25
Monkey Academy	Konami	Coleco (1984)	12k	24
Montezuma Revenge	Parker Bros.	Parker Bros.	16k	
Moonsweeper	Imagic (1983)	Coleco (1983)	16k	
Motorcross Racer	Xonox	Xonox (1984)	16k	
Mountain King	E.F.Dyer (1983)	Sunrise (1984)	16k	10
Mouse Trap	Exidy	Coleco (1983)	16k	
Mr. Do	Universal	Coleco (1983)	24k	9
Mr. Do's Castle	???	???	16k	6
Nova Blast	Imagic	Imagic (1983)	???	
Oil's Well	Sierra	Sierra	16k	6
Omega Race	Bally (1981)	CBS (1983)	24k	14
One on One	???	Electric Arts (1984)	???	NS
Past Finder	???	???		
Pepper II	Exidy	Coleco (1983)	16k	
Pitfall I	Crane	Activision (1983)	16k	
Pitfall II	Crane	Activision (1983)	16k	
Pitstop	Epyx	Epyx (1984)	16k	8
Popeye	Parker Bros.	Parker Bros (1983)	16k	
Q*bert	Gottlieb (1983)	Parker Bros.	8k	
Q*bert's Cubes	Gottlieb	Parker Bros.	???	
Quest for Quintana Roo	Sunrise	Sunrise (1984)	16k	10
River Raid	Activision (1982)	Activision (1984)	16k	
River Raid (Unlimited Men)	???	???	16k	
Robin Hood	Xonox	Xonox (1984)	16k	
Rock N Bolt	Activision	Telegames (1987)	???	
Rock 'n' Roll	K-Tel (U.K)	K-Tel (U.K)(1984)	16k	17
Rocky Super Action Boxing	Coleco	Coleco (1984)	20k	3
Roc 'n Rope	Konami (1983)	Coleco (1984)	24k	
Rollovertune	???	Sunrise (1983)	16k	10
Sammy Lightfoot	Sierra On-Line	Sierra (1983)	16k	
Sector Alpha	Spectravideo	Spectravideo (1984)	???	
Sewer Sam	Interphase	Interphase (1984)	24k	20
Sking	???	CBS	???	
Slither	Century II	Coleco (1983)	16k	5
Slurpy	Emag	Emag (1984)	14k	
Smurf Rescue	Peyo	CBS (1983)	16k	
Smurf Paint & Play	Peyo	Coleco (1984)	24k	25
Soccer	???	CBS	???	3
Space Fury	Sega	Coleco (1983)	16k	
Space Panic	Universal	Coleco (1983)	16k	
Spectron	Spectravideo	Spectravideo (1983)	16k	
Spy Hunter	Bally (1983)	Coleco (1984)	32k	4
Squish 'em Sam	Interphase	Interphase (1984)	16k	20
Star Trek	Sega	Coleco (1984)	24k	4
Star Wars	Atari	Parker (1984)	16k	12

19

```
PRODUCT:                                      AUTOWRITER
MANUFACTURER:                            Mr. T. Software
MEDIA TYPE:                                    DDP/disk
GRAPHICS/SOUND/DESIGN:                         93;93;96
INSTRUCTIONS:                                        94
USEFULNESS vs. PRICE:                                94
RECOMMENDATION:                        highly recommended
PRICE:                                           $15.00
RATED BY:                                     N&B staff
```

AUTOWRITER is a rather unique BASIC programming aide; it allows you to create programs containing routines that you select. The resulting program can then be merged with existing software or used as a starter for new programs to make use of the nice features of the routines. Unlike other BASIC enhancements, you decide which machine language routines (and BASIC subroutines) that you want for the module.

You simply insert the medium in the drive and pull computer reset. In a few seconds, Mr. T's logo screen will appear while the remainder of the program loads into RAM. Then you'll have the option to set the program's NMI clock. The AUTOWRITER program is done on a 40 column screen enhanced with inverse fonts and SmartKEY labels at the bottom of the screen. Six primary options are presented: (I) machine code routines, (II) BASIC routines, (III) POKES and CALLS, (IV) save lines in memory, (V) print options, and (VI) quit. The first two options let you select the routines that you want for your module. The third option will list the routines or allow you to search through them by entering a keyword. The fourth option stores the module to tape or disk. The fifth option will print the routines on paper.

Many of the routines are derived from ones we've printed in N&B, for example, instant underscored fonts, instant text color changes, and text on hi-res screens. You could hunt through back issues for some of these, adjust the addresses so that they are compatible, and type them in. This alone could become a major project. AUTOWRITER frees you from this keypress drudgery allowing you to spend you programming time on the body of your programs rather than on the enhancements which make them appealing and user - friendly.

Yes, AUTOWRITER automatically adjusts the addresses of the included machine language routines so that you may combine them in any sequence!! This alone is quite a creative feat. Moreover, the programming time that this innovative utility will save you and the professional features of the program make it a very good value.

```
PRODUCT:                                     Sprite Power
MANUFACTURER:                             Digital Express
MEDIA TYPE:                                     DDP/disk
GRAPHICS/SOUND/DESIGN:                          90;80;95
INSTRUCTIONS:                                         80
USEFULNESS vs. PRICE:                                 99
RECOMMENDATION:                        highly recommended
PRICE:                                           $14.95
RATED BY:                            Bob Zimmerman, PSAN
```

One of the most frequent questions that beginning programmers ask is "How do I use sprites in games?". That question was difficult to answer since SmartBASIC was not designed with sprites or sprite animation in mind. Now, however, we have Sprite Power. This program not only answers the question; but, is also a versatile tool in manipulating sprites, designing sprites, saving sprite data, and answering questions that most of us haven't even thought to ask!

The program is totally machine code; operation is FAST.   And, like other Digital Express software, Sprite Power is menu-driven and user selections are made via SmartKEYs. A nice feature about the program is that there are 3 pre - defined sprite files included: alphabet letters, geometric figures, and miscellaneous objects. My favorite are the objects. You can load the sprites and then choose the "Animate Sprites" function. By switching back and forth between several sprites, it's easy to see a jumping cowboy or a talking starboy. Designing sprites is easy. The required program controls are shown on-screen so that you can sit down and start designing sprites immediately. The sprite design is created by filling in squares on a 16 x 16 grid, which is 8 times larger than a normal sized sprite. You have the ability to reverse the design grid, invert it, and flip the design.

When done designing your sprites, you save your creations by using the "store file" option. Your sprites can be saved to tape or disk in 3 different forms: ASCII DATA, BASIC BINARY, or Z80 BINARY. Another feature of the program is the ability to capture portions of hi-res graphic pictures as sprites. PUFF is included as a hands-on example of how sprites can be used in an arcade quality game! This game alone makes the program worth the $14.95. Sprite Power, with its 25-page manual, is the programmer's answer to sprite design and control -- another winner from DIGITAL EXPRESS.

SMARTWR [illustration] TER TIPS

D. Zimmerman-->We all know by now that ADAM will add an extra 1/2 line feed on the printer when it encounters a line with nothing but a carriage return. This will cause the printer to print closer to the bottom of the page or spill over to the next page. If there is any thing besides the carriage return on the line the printer will advance only one line as it should. I solved this a long time ago by cutting of the tilde from the plastic printwheel with a scissors. I press this key before I enter a carriage return on a line with no text. The small sideways "s" appears on the screen but will not print because it was cut off. If the tilde is ever needed, I simply change the printwheel. I did not think it was possible, but I see where Irwin Singer came up with a better way. He uses the CONTROL 6 key followed by a single space. When the CONTROL 6 key is pressed an upside "L" appears on the screen. This character will not print on the paper and it WILL bomb the printer if it is NOT followed by a SPACE so be sure to add one space.

Use the old trick of using two rubber bands to stop the paper from sliding in the printer. Remove the printer cover and place one three inch (unstretched) rubber band on both the left and right side of the cover. Replace the cover. It only takes seconds to lift each rubber band and stretch it over the tabs that stick up on the paper hold down bar. Lift them off when the bar must be raised for paper adjustment.

Forcing SMARTWRITER to REFORMAT text to changed margins.--When you change the setting of the margins ADAM will normally change the text appearing on the screen to conform to the new settings. The user can tell is ADAM is reformatting the text by watching the left hand white vertical marker that appears on the left hand ruler line. When ADAM reformats on-screen text the marker will scroll from the top to the end of the text when the DONE key is pressed. If the marker fails to scroll the text will not be re-formatted. ADAM can be forced to re-format at any time. Hit SK I, then SK II, then SK V, then SK VI. The left had marker will scroll and all text will be re-formatted. This is even faster than entering the commands in the old Word Star program. Besides, ADAM will re-format the entire document regardless of the cursor placement.
(I do not know where this originally appeared. If anyone knows, let your editor know so I can give credit.)

Mike Keith-->I have read in several places that the best way to avoid the extra 1/2 line feed is to cut a character off of the daisy wheel. It seems that people are saying that other methods will not work in all situations. I have found an easier way. If you hold down the CONTROL key and press 6 at the same time, then hit the space bar and then thecarriage return you will then have the correct spacing. There are two "catches" to this. First, this must be done with the cursor under the first character of the preceeding line. It that line starts with one or more spaces, indent the above procedure the same number of spaces. The second "catch" is that there MUST BE A SPACE BETWEEN THE SYMBOL ON THE SCREEN AND THE CARRIAGE RETURN SYMBOL. I have found that this works everytime.

Does anyone have a "fix" to the extra spaces problem in Show Off II? I have found that if you tell ADAM that you are using fan-fold paper in printing your document, Show Off II will add several spaces between words on the line where the page would advance if you were using the ADAM printer. This is not always the same place with Show Off II. I could use any ideas.--Mike Keith

2 1

NEW from Mr. T SOFTWARE!

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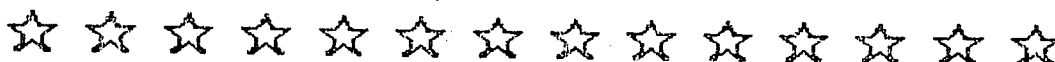
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22

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Mr.T-SEARCH . . . . $ 13.00

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A unique and exceptional aide for the experienced programmer and a fun learning tool for the beginner. The 19 page manual provides for instructions for use and contains loads of useful information and tips.

AUTOWRITER is a menu driven utility that writes machine code routines and basic subroutines to a user designated data pack or disk. The "A" file can then be LOADed and LISTed then merged with an existing program or used as a base for a new creation. Includes a comprehensive list of Pokes and Calls with complete instructions for using. Reviewed as *ONE OF THE BEST VALUES OF THE YEAR!*.

BASICAIDE . . . . $ 10.00

Another *BEST VALUE* as reviewed throughout the country, BASICaide installs new commands, macros, switches and loads of other features and basic corrections. The BIN command enables you to easily BSAVE your programs for fast loading, CHAIN merges programs together, EXTEXT instantly puts you in a 40 column mode plus 21 features available with a single keypress! Create programs faster and BRUN them faster with *BASICaide*.

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23

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2 4

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HOURS 9 PM TO 9 AM DAILY

Just a little note to let you know about my new BBS. This is an ADAM board, run almost entirely from ram-disk. I currently have about 80 programs on board including some Sign Shop PD drawings. I have plans and space to expand to about 175 programs. There are currently only 8 users. I invite you to call and become a part of THE GATE.--Bob Warren

  IN ADDITION TO OUR REGULAR BULLETIN BOARD RUN BY THE ST.L.AUG SYSOP AL FITZGERALD, Thur - Sun 9PM - 2 AM (Adam Default Settings), (314) 773-1551 there is the above Board being run by another of our members Bob Warren.   We are fortunate to have access to both of these Boards.

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GREETINGS TO ALL ADAM OWNERS !!!   This is the new ADAM computer publication from the ADAMZONE Publishing Company.
Welcome to NetworkADAM the new inexpensive ADAM information publication. We are dedicated, devoted, and professional.

In 1985 and 1986 ADAMZONE was formed as a newsletter.   With costs increasing every month and an unprofessional style
the newsletter was cancelled.   ADAMZONE became a publishing company and produced a few writings.for the ADAM. Now with a
merging of ADAMzap Software, ADAMZONE has been revitalized into a publishing company and now produces the NetworkADAM
NewsINFO Letter.

The NetworkADAM NewsINFO publication will be sent out to subscribers five times a year and a disk or data pack issue
sent out once a year.   The publication will include reviews of new software and hardware; it will also include hints,
tricks, and tips on using the new software and hardware. The publication will give information about the nationwide ADAM
network of newsletters, user groups, and future products from the nation's biggest and smallest companies that support the
ADAM and its users.

What can you do to get this new information? All you have to do is send a Self-Addresses-Stamped-Envolope to us and we
will get to you subscribtion information, plus a free issue and a special subscribtion gift for you.

We here at The ADAMZONE Publishing Company and ADAMzap Software have been in love with the ADAM computer for a long
time.   ADAMzap is a solo operated company started by and continued by Eric E. Danz. ADAMZONE was started by Mr. Danz but
now continues with the help of many of his friends and relatives.   ADAMZONE uses three ADAM computer systems, two
Colecovision Game Units, and most of the hardware produced by Coleco and third-partty members in junction with two IBM
PC/XT computers to bring you a professional network of fine publications and software.   ADAMzap with the help of ADAMZONE
is looking into the hardware market with a few future products not yet completed.   This advertisement was written on an
ADAM computer and transfered to an IBM for desktop publishing finalizing.

At ADAMZONE we use the ADAM and the IBM in harmony to produce this NetworkADAM NewsINFO publication and media.   So do
not waste time and let ADAM down.   Send in your SASE to us now and get a FREE gift and FREE subscribtion info; along with
a FREE issue.

NetworkADAM would like to thank all the people that have supported the ADAM for so long.   If Coleco could only see
what we have done to this fantastic little machine with so much hidden power they would be supprised and jealous, knowing
that they should of continued the ADAM. May the ADAM live long through your support and hopefully ours. Thank you again.
We hope to hear from you soon.

26

```
[] [] [] [] [] [] [] [] [] [] [] [] []
[]                                    []
[] ADDING AN ATARI TEN KEY TO ADAM    []
[]              BY                     []
[]         HECTOR SANCHEZ             []
[]                                    []
[] [] [] [] [] [] [] [] [] [] [] [] []
```

For quite some time now, I have wanted to add an ATARI ten key to my ADAM. Seemed like it may be a simple operation - since the ten key hooks up to the joystick port on Atari, and Atari joyticks are compatible with ADAM's. I ordered the Atari ten key knowing full well that it probably would not work, and I would be out some bucks. Well, when it arrived, I hooked it up and nothing happened. ADAM could care less whether it was on or not.

I kept the darn thing hoping that one day, I would be able to convert it to my ADAM. Then one day, I received a catalog from ADAM's House. They were offering documentation sheets to add a mouse to ADAM. It sounded interesting - since I had similar wishes for hooking a Commodore mouse to ADAM. When the sheets arrived, I was surprised to find that it also included a schematic to hook up the Atari 10 key to ADAM! It was almost like a dream come true. Now, I not going to tell how to convert the ten key for ADAM. But I will show you the concept behind the conversion, show you what you will need, and how well it works.

The concept behind the conversion is rather simple. The Atari ten key is radically different from ADAM's joystick. In order to convert it, the circuit board on the 10 key must be disabled, and replaced with a circuit board from an ADAM joystick.

Well just what do you need for the ten key conversion. First you will need the "Mouse for ADAM" Documentation sheet from ADAM's House (price $2.00). You will also need a additional joystick (available from MW Ruth 2 for $5.95). And lastly you will need a ATARI CX85 ten key. The ten key is available from BG Micro for $14.95. However, they are closing them out, and they may not have any more in stock. Atari has them available for $24.95. Addresses for BG Micro and Atari are listed on the end of this article.

How well does it work? Well, the answer is that it works good with some programs and not so well with others. It seems a little slow when used with SmartWriter. However, It works Excellent with ADAMCalc and SmartBasic (with a modified version of MoreKEYS by Nibbles and Bits). I feel that since it works so well with ADAMCalc, that alone makes it worth the cost. I do alot of work with ADAMCalc, and it really speeds up the process of entering data. I also do alot of programming and the ten key helps alot there too. Espcially when working with data statements.

To modify MoreKEYS: (see N&B 8/87 p. 13)

1. Change the 44 in line 650 to a 13
2. Change the 13 in line 670 to a 44.

You should however note that the Documentation sheets themselves are not very well written. They are hand drawn and hand written. It would be nice if someone would redo them again. The total cost of the conversion will cost you at least $16.95 and at the most $32.90. I certainly hope this article is some use to you. If you do have any questions, please send them in a SASE to Hector Sanchez, 3606 Swiss, Corpus Christi, TX 78415.

```
[] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []
[]                      []                           []
[] BG Micro             []       Atari ST            []
[] PO Box 280298        []       Dept M49            []
[] Dallas, TX  75228    []       PO Box 61657        []
[] (214) 271-5546       []       Sunnyvale, CA 94088 []
[]                      []                           []
[] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []
```

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

Apr. 2, 1988

COLECO DISK DRIVE PROBLEM AND FIX...

SYMPTOM: Drive does not spin when new disk is placed in drive - i.e. drive does not recognize disk removal, replacement.
PROBLEM: D.C. volts on reciever diode is to high (12 v. dc.) and change in volts from "disk out" (< .8 v. dc.) to "disk in" (> .5 volt change) does not trigger circuit.
SOLUTION: A 5K pot is placed across the green (+volts dc) and the black (ground) wires to the lower diode and adjusted so that "disk out" volts is less than .8dc (< .8 v. dc.) and the change with "disk in" is greater than .5 volts (> .5 v. dc change). **NOTE:** *A 3 or 5 K resistor would work just as well I think, but I like the idea of an adjustable pot.*

BACK OF DRIVE

LEFT SIDE

black

TEST POINT   5 K pot

red—   —blk   —green   -blk

emitter led

reciever led
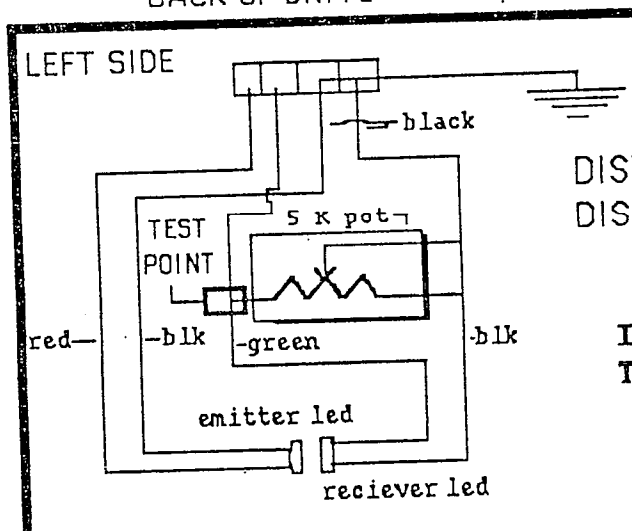
DISK OUT-- < .8 V. DC AT TEST POINT
DISK IN -- > .5 V. DC CHANGE WILL TRIGGER
THE CIRCUIT.

I set the voltage at about 0.5 at the TEST POINT and it works just fine.

28

Here is a letter from John Webb Jr. our newest member. He is isolated from Adam assistance and information out in the middle of the ocean in Hawaii.

He would be happy to hear from all Adam Owners, members of St. Louis AUG and Non-members alike. PLEASE TAKE A LITTLE TIME & WRITE HIM.

John F. Webb, Jr.

PO Box 37542 - Honolulu, Hawaii 96837 ~ (808)531-0091

Barry A. Wilson
1566 Wood Lake Drive
Chesterfield, Missouri 63017

Dear Barry...

Well, I have to admit that I was a bit "shaken" as I opened your very kind 28.Mar 88 letter to me...Your formal legal letterhead had me wondering just who/what bad news was entering my life via the office of an attorney —!

Anyway...I am so very glad that you took the time to pound out your thoughts to me. Thanks a million.

I got your packet of reprints about the STL AUG in late March and was so happy to have them. Enclosed, my money order for $15. for balance of 1988 membership in the group. I really need to connect with you folks and others like you. Please feel free to put my name on the list (phone, too, if you like) and I would love to hear from anyone.

Now, for some "meat". At present, my ONLY INTEREST in my ADAM is in word and data processing. My budget is limited, but I find that my ADAM just fits my needs — he's a pal, and I love him. Nope, NO disc-drive, modem, nor DM-printer. I have only what I originally purchased (in suburban Chicago, in late 1986): tape-drive CPU, keyboard, printer, and manuals and accessories. The only software I have is the SmartFiler (which I have not really used much) and, of course, the built-in SmartWriter.

I have no interest in games at present, but I think that in future some of the WORD games might be my "bag" — I have always loved English and "playing" around with it....

I joined the ADAM Group in Lisle, Illinois about 2 years ago...and have found them kind and helpful, if a bit "snowed" under by their opening of their ADAM STORE there. I would like to get over there this summer during my regular trip to visit family in suburban Chicago...and will try to.

I have had some troubles with my printer...it seems to lose its mind on occasion in the middle of printouts...no matter if short or long...and it screws up margins and overprints the same character on and on...I was advised to put "cooling fans" on both CPU vent areas and on printer-unit vent areas —Nothing. So I began to carefully rub the two chrome guide-bars (INSIDE the printer unit) that the printmechanism rides on with the silicone cloth that came with the ADAM. Doing this OFTEN (daily) seems to have eliminated the psychotic episodes that the printer danced through. Whew!

What else...? I believe that I am "leaning toward" needing more memory for ADAM, and for conversion to disc. This tape business—sure has its shortcomings, as I have known all along, and I wonder if you could find time to talk to me as if I were VERY SLOW, mentally, and give me some advice...? (—I ain't slow, mentally, I just act that way .)

I will take you up on your info about the Multi-write word processing program...and Jim G. Thanks so much!
Also, I just read the review in the NIAD March 88 newsletter on SPEEDYWRITE — a new one by the 13-yr old David White. Do you know any more of it than what is in the NIAD letter?

And so...I will close and say thanks again. Please find some time to communicate...I would love to hear more from you. I have been here in Honolulu for nearly 18 years, I grew up in Chicago suburbs, and my age is the perennial "Jack-Benny-39! Har har! Let us just say that I can "almost" remember Pearl Harbor, and I am a child of the 60's.
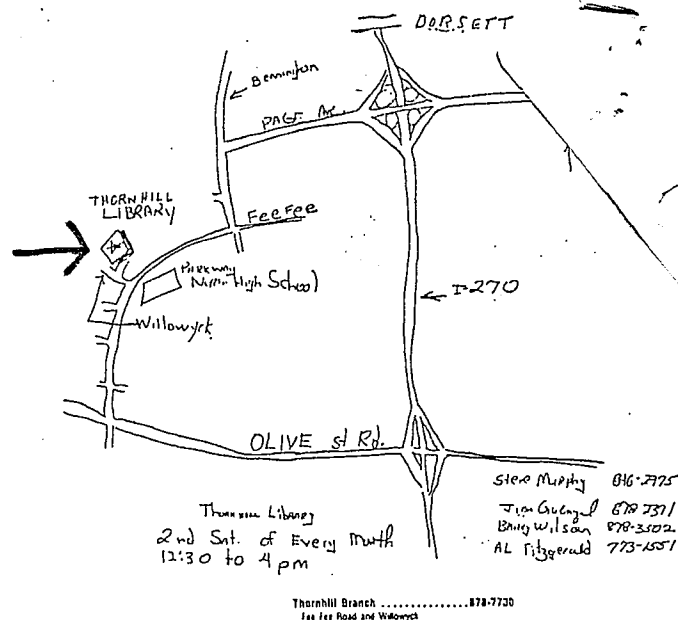
Aloha to you...

Very sincerely,

[signature]
[signature] 4/16-88

2 9

ST.L.AUG MEETING DATES
2nd Saturday of each month
12:30 - 4:00. THORNHILL LIBRARY

May	14	1988
June	11	1988
July	9	1988
Aug	13	1988
Sept	10	1988
Oct	8	1988
Nov	12	1988
Dec	10	1988

Thornsin Library
2nd Snt. of Every Munth
12:30 to 4 pm

Sten Murphy   846-7925
Jim Gulnyl   878-7371
Barry Wilson   878-3502
AL Fitzgerald   773-1551

Thornhill Branch 878-7730
Fee Fee Road and Willowyck

St Louis ADAM USER's Group
Meeting Place + time

IMPORTANT !!   PLEASE TRY & BRING THE FOLLOWING TO THE MEETING:

   1. BLANK Media (disk or tape) so that new PD programs can be copied
for you.
   2. Software to demonstrate for other members.
   3. HARDWARE SO WE CAN GET AT LEAST 2 ADAM SETUPS RUNNING. More
would be helpful.

```
 SAINT
 LOUIS
 ADAM
 USER
 GROUP
```
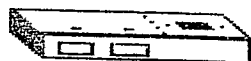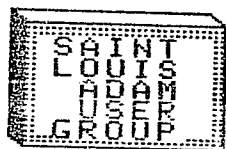
12967 Weatherfield
St.Louis Mo. 63146

TO:

FIRST CLASS MAIL