

THE SAINT LOUIS

TM

ADAM

USER GROUP

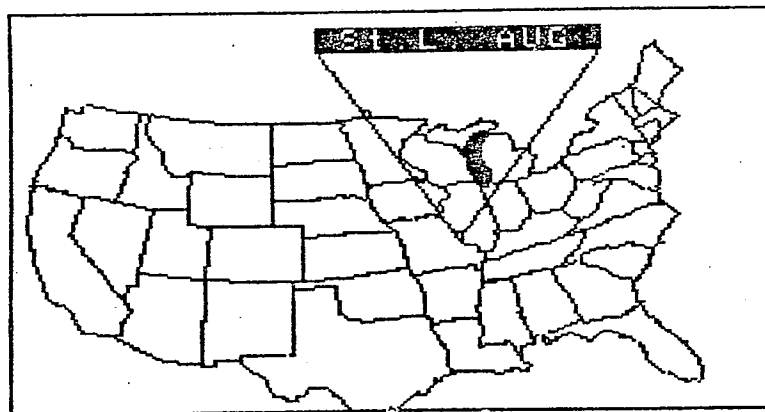
12967 Weatherfield Dr.
St. Louis, Mo. 63146

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, word processing, telecommunicating, and gaming. 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 pick up your copy. The postal rates have made mailing costs a serious matter.

SEE YOU AT THE MEETING!!



JULY MEETING

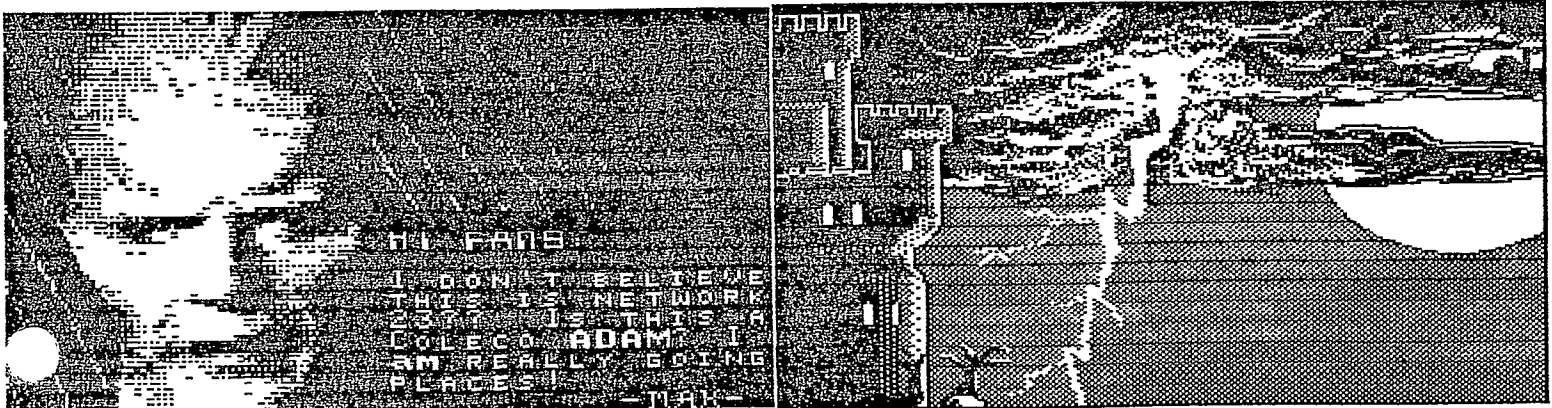
By Secretary, Don Bueltmann

The July Meeting was officially very short. Some members were on vacation and some had other commitments. It was still an interesting meeting. The best thing about the meetings are being able to get assistance with any problems you may be having or advice from those who have more experience in a given area. I feel that the meetings offer something to everyone. Jim gave me some assistance in using some of SPEEDY WRITE's features. I showed some of the members how nicely the SW "Automatic Indentation" feature worked. This feature is a godsend for doing office memos or school papers. Barry mentioned at the meeting that piracy is on the increase and that we will stand behind all of the other organizations in their attempt to stamp out piracy. Steve did some impromptu demonstrations with his Speech Synthesizer, a very clever adjunct. Everyone is still waiting for GoDos to become available. Several more members ordered the package and joined those who have been waiting for several months now. I look forward to seeing all of you at the next meeting.

AUGUST MEETING

By Barry Wilson, V.P.

The August meeting also suffered from the summer blahs, vacations, etc. Al Fitzgerald brought us upto date on the BBS and Treasury. Several new &/or prospective members showed up which was very encouraging. Speedywrite was again discussed as was the 720 K 3.5 inch drives. Everyone is still excited about & waiting for GODOS. Piracy was brought up & discussed again. The newsletter was distributed. We hope to see more of you at future meetings.



FIRST AMENDMENT.

For those of you bored with the piracy controversy, I would like to bring up another subject for your comments & discussion.

In 1791 the First Amendment to the Constitution was ratified.
In part this said *Congress shall make no law ... abridging the freedom of speech ...*"

How does this effect ADAM ?????

With the introduction of ADULT game disks for Adam (THE OTHER COMPUTERS INCLUDING IBM which is supposed to be more business oriented than Adam, have had these for several years, or so I am told not owning anything but an Adam).

NOW we have BLIND DATE & FOREPLAY both being sold as Adult Games for Adam. Blind Date is more explicit and suggestive (not really suggestive they spell it out for you) but BLIND DATE is very difficult to play. The only way I finally found out how explicit it was was to break into the program and list it out. At least I could find out what would happen IF I ever mastered the game enough to get to that part of it. (I still haven't mastered it and get stuck at the beginning until I finally give up).

FOREPLAY by AdamZap is much more playable. It is built on a multiple choice format rather than having to guess the exact combination of words in the correct order which Blind Date requires. I like ForePlay and personally did NOT find it objectionable but probably too strong to let my cat see it or play it.

IN ANY CASE I WOULD LIKE YOUR OPINIONS ON ADULT GAMES FOR ADAM. WOULD YOU BUY THEM, HOW EXPLICIT WOULD YOU LIKE THEM, WHAT RESTRICTIONS SHOULD BE PLACED ON THEM, DO YOU OPPOSE THEM, SUPPORT THEM, COULDN'T CARE LESS, ETC.

PLEASE RESPOND TO:
St. Louis AUG
Barry Wilson
12967 Weatherfield
St. Louis Mo. 63146

I will place all letters in favor of Adult or XXX games in a pile & without looking pick one out. This one will win a free ForePlay Game. I will place all letters against Adult Games in another pile & again without looking pick one out which will win two free disks from our PD library.

If restrictions, such as over age 21 only sales, statement that purchaser is over 21 yrs. of age and is aware that this game is sexually oriented placed on order form (purchaser must sign these statements to be sent the material; any signatures written in crayon, etc. to be rejected), etc. would this be sufficient to allow the sale of such items??

The development and sale of these items is awaiting some feed-back from the Adam community.

You can also indicate that while you personally are not interested in such material that you (being a patriotic American believing in free speech, the American way, mom, Apple pie, Chevrolet, etc), see no objection to its sale to interested parties.

I FAVOR FREE SPEECH AND ADULT XXX RATED GAMES BEING MADE AVAILABLE FOR ADAM OWNERS, WHATS YOUR OPINION ?????.

You do NOT have to put your name on your comment, unless you want to. Replies without name, of course are not eligible for the free disk drawing. You can include nude photos of yourself in (JUST KIDDING)..... (my cat opens & reads my mail sometimes

Barry Wilson, Editor

OTHER NEWSLETTERS ARE ENCOURAGED TO REPRINT THIS AS I WOULD LIKE AS MUCH COMMENT AS POSSIBLE.

ST. LOUIS
Public
Software

USER GROUP
Domain
Library

Members
Disk \$5.00
Tape \$6.50

Others
Disk \$8.00
Tape \$9.50

ACTING LIBRARIANS

Courtney Wilson
Steve Murphy

NEW &/OR FEATURED PD SOFTWARE

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
29. AADAM DIRECTORY (H. Sanchez)
30. Credit Card Maint. (H. Sanchez)
31. LAUGH PD Vol. 1
32. New Owner Info (LAUGH)
33. PD D&D Characters (J. Frey)
34. PD SmartPaint Pics (J. Frey)
35. PD Pics mixed (J. Frey)

Jason Frey
5035 English Hill Rd.
Cedar Grove, Ind.
47016

Barry Wilson
12967 Weatherfield Dr.
St. Louis, MO. 63146

Dear Barry:

I have sent the pictures to be included in the SLAUG PD library. All of these pictures are ones that I have created. Many of these pictures are from Doctor Who a famous Science Fiction show. Side one is a collection of SmartPaint pictures. Side two is a collection of pictures from many different painting utilities. Utilities are PaintMASTER, SpritePower, and SmartPaint all are useful. I hope these are helpful to other Adam Users.

Thanks!!!,

Jason Frey

WE ARE MOST THANKFUL TO JASON FOR CONTRIBUTING THESE TO OUR PD LIBRARY AS WELL AS FOR HIS FINE REVIEW ON MageQuest. Jason plans to review Demons & Dragons, ForePlay (By Eric, Danz's AdasZap Co., also a member of St.L.AUG), Enchanter, Infidel & Witness [Either a review, hints & tips or both]. We appreciate Jason's contributions to our group and to Adam Owners in General. THANK YOU.
Barry Wilson, Editor

Volume FIRST BIX

H 3 SLAUG.HRP
H 3 SLAUG.HR2
H 3 SLAUG.HR3
H 3 SLAUG.HR4
H 3 Blade.HRP
H 3 Blade.HR2
H 3 Blade.HR3
H 3 Blade.HR4
H 3 TARDIS.HRP
H 3 TARDIS.HR2
H 3 TARDIS.HR3
H 3 TARDIS.HR4
H 3 SRYs.HRP
H 3 SRYs.HR2
H 3 SRYs.HR3
H 3 SRYs.HR4
H 3 NAME.HRP
H 3 NAME.HR2
H 3 NAME.HR3

Volume FIRST BIX

H 3 WEAPON.HRP
H 3 WEAPON.HR2
H 3 WEAPON.HR3
H 3 WEAPON.HR4
H 3 QUARK.HRP
H 3 QUARK.HR2
H 3 QUARK.HR3
H 3 QUARK.HR4
H 3 CHURCH.HRP
H 3 CHURCH.HR2
H 3 CHURCH.HR3
H 3 CHURCH.HR4
H 3 BOT.HRP
H 3 BOT.HR2
H 3 BOT.HR3

50 Blocks Free

Volume FIRST BIX

H 6 ORION2
H 6 ORION11
H 6 ORION12
H 6 MT11
H 6 MT12
H 2 MONSTERS
H 2 OBJECTS
H 12 eyes
H 2 CHES5
H 2 ITENS
H 3 BOT.HRP
H 3 BOT.HR2
H 3 BOT.HR3
H 3 BOT.HR4

65 Blocks Free

COMPUSEVE LIBRARIAN:

Al Fitzgerald.

We will have two more P. D. disks in our file next month. One is a very FULL disk of original pictures for use with Sign Shop. The second is a disk of games and educational programs. Watch for the newsletter next month for a description of these new P. D. volumes.

Nike Keith has quite a few pictures for use with Pover Paint--many of them from CompuServe. He will be placing them in on disks and making them available in the Public Domain realm soon. If you are interested, let him know.

JASON FREY has donated another
another PD disk to our PD Library,
which we greatly appreciate.

Jason Frey
5036 English Hill Rd.
Cedar Grove, Ind.
47016

Barry Wilson
12967 Weatherfield Dr.
St. Louis, MO. 63146

Dear Barry,

I received your letter and I am sending the Demons & Dragons I characters. Some of these characters are very advanced. These characters are for use with Demons & Dragons I and probably can be used with Demons & Dragons II. These are probably the first characters made for Demons & Dragons I and probably the first in the public domain area. So you have my permission to distribute these as much as you wish. The characters I suggest using are: Iron a level 10 thief, Morg a level 8 fighter, Brit a level 8 fighter, Grey a level 7 fighter and magic user, Wolf a level 6 fighter and magic user, and Gold a level 8 cleric. The order you should put these characters in is: 1) Wolf 2) Grey 3) Brit 4) Iron 5) Morg 6) Gold. If you follow this combination your characters will probably go farther through the levels and may also last longer in the game. The characters listed above should be capable of solving the game. If you want some characters you can form I suggest you use Slay, Star, Lone, Bing, and Wood, these are probably better than the ones I have worked with. The other characters are also very good to but it will take plenty of time to make them as good as the first ones that I have listed.

Thanks!!

Jason Frey

Ron Smith, our good member
from Australia wrote asking about
modifying MULTIWRITE so that the
SmartKeys would have certain functions
in using the MULTIWRITE Program

Below is Our (Jim Guenzel's Response).

We thank Ron for the question and
Jim Guenzel for the response.

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

Aug. 5, 1988
Ron Smith
23 Windsor Rd.
Australia 2211

Dear Ron;

In reply to your questions about MULTIWRITE and SMART KEYS:

YES it is possible to make MULTIWRITE accept SMART KEY input.

Here is how to do it:

MULTIWRITE is written in BASIC. So all you have to do is write a sub routine that checks for the ASCII number (ASC) of the SMART KEYS you want to use. If you will LIST MULTIWRITE by a series of "IF" statements. Just add the SMART KEY ASCII code "IF" statements, or put in a GOSUB sub routine.

But remember MULTIWRITE is already very long so any additional code will only make the already small work space smaller. Also additional code will slow the response time down.

You could try one of the SMART KEY utility programs from DEI or other vendors but they may use some of the same unused spaces in the SMARTBASIC code that MULTIWRITE uses and thus nothing would work correctly.

If you do enough writing so that you really need SMART KEY MACROS I would suggest you get SPEEDY WRITE version 2.0. This is an all machine code word processor that will let you define the SMART KEYS in just the way you describe in the letter you sent Barry.

Enjoy,

Jim Guenzel

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JUL 16, 1988

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

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

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

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

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

Enjoy,

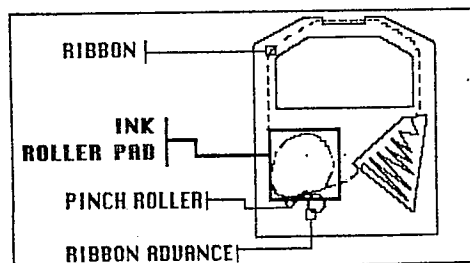
Jim

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JUL 20, 1988

HELPFUL HINTS



TO RE-INK THE PANASONIC RIBBONS SIMPLY REMOVE THE TOP COVER WITH A THIN SCREW DRIVER AND APPLY SOME BLACK STAMP PAD INK TO THE INK ROLLER PAD. DO THIS WHEN PRINT BECOMES LIGHT. EVENTUALLY THE CLOTH RIBBON WILL WEAR THROUGH THEN YOU HAVE TO BUY A NEW RIBBON. NOTE: APPLY INK ONLY TO THE ROLLER PAD AND NOT THE RIBBON ITSELF.

THE ST. LOUIS
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12967 Weatherfield Dr.
St. Louis, MO 63146

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

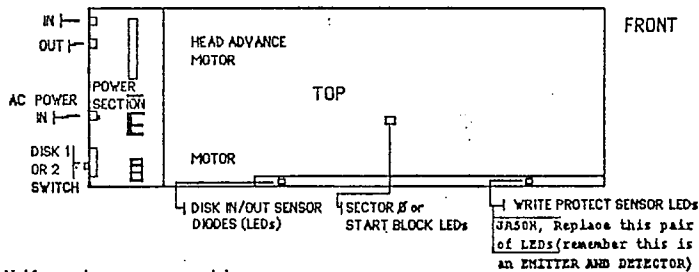
JUL 16, 1988

JASON FREY
5036 ENGLISH HILL RD.
CEDAR GROVE, IN 47016

Dear Jason;

Barry sent a copy of your letter in which you described a problem you are having with your ADAM DISK DRIVE.

The problem MAY be with the INFRARED SENSOR LED PAIR that senses the presence of a WRITE PROTECT TAB on the disk. I had a similar problem with one of my disk drives about three years ago. I replaced the LED PAIR with a radio shack pair. The proper part to ask for is: INFRARED EMITTER AND DETECTOR (1 PR), or something like that. The emitter diode will have only two leads. The detector usually has three leads (one is not used and may be clipped very short).



Call if you have any problems.

Enjoy, Jim

JUL 16, 1988

Patricia Herrington
1003 Oak Lane
Apopka, FL 32703

Dear Pat;

Barry Wilson sent me a copy of your letter describing your interest in connecting two ADAMs to one TV set.

Also in that letter you talked about a dot matrix printer and switching from the DMP back to the ADAM printer from a program.

The "two ADAMs to one TV" problem:

I have never tried attaching two ADAMs to one TV but here are some ideas:

1. You might try the computer/TV selector switch that came with the ADAM. (They are also available from any electronics store.)
 - a. Connect one ADAM in the normal way.
 - b. Connect the other ADAM to the input marked for the TV antenna. You will have to use some ingenuity to mate the RCA plug to the TV lug screws. Try soldering a couple of short strips of wire to the RCA plug, one to the center post and one to the outer grounding clamps.
 - c. Then use the slide switch to "select" which ADAM to see on the screen.
2. You might try attaching both ADAMs to the TV either directly or with the computer/TV switch and running one ADAM on channel 2 and the other on channel 3.

Good luck!

The dot matrix printer:

I only know of one program that will let you switch from a DMP to the ADAM printer from the program. The program SPEEDYWRITE V2.0 R3 will let you select which printer to use prior to printing any document.

There may be some other programs that let you switch back and forth between printers. Most users do not see the need for the daisy wheel printer. This is the print out of a PANASONIC 10801 in near letter quality. I actually prefer it to the daisy wheel output. And you also have graphics and true super and subscript output.

I hope this is helpful to you.

WE WILL BE GLAD TO
HELP WITH YOUR
TECHNICAL PROBLEMS
AND QUESTIONS.

SEND DIRECTLY TO

St. LOUIS AUG
ATTN: JIM GUENZEL
12221 Spring Shadow Ct
St. Louis Mo. 63043

Include stamped
addressed envelope.

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4

Product: MageQuest Ver.2
 Manufacturer: Ready Software
 Media Type: Disk/Datapak
 Price: \$13.95/\$14.95
 Recommendation: Recommended
 Rated By: Jason Frey

Hints & Tips For MageQuest By Jason Frey

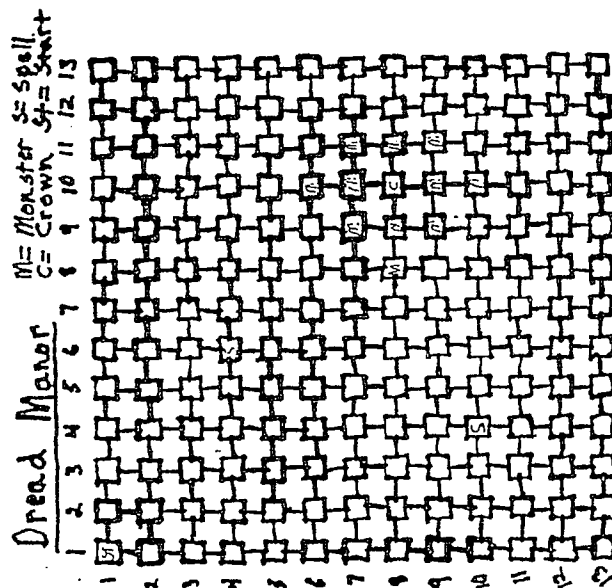
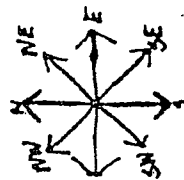
MageQuest is a super action adventure game. In this game you play the role of a Mage who is trying to retrieve the Nine Wards of Power. The Nine Wards of Power were stolen by the Evil Enteon. As you venture through the dungeons you will find keys to open doors and spells written on scrolls. These spells you will use to fight monsters in the dungeons. The monsters range from Undead Skulls, to Mad Elfs, and many more. Many of the monsters are slow and you may be able to get past them without using spells, others are very fast and you will have to use spells. The spells you can use are Freeze Spell, Fear Spell, and Death Spell. The Freeze Spell makes the monsters stand still in it's tracks and does not allow the monster to attack you. The Fear Spell causes the monster to run away from you without attacking. The last spell is the Death Spell, this spell kills the monster instantly. To find out how many spells you have press the either 1,2, or 3 on the keypad. To find out how many keys you have press 4 on the keypad. To pause the game press the asterisk sign on the keypad. To quit the game press # sign on the keypad. It will say then press 1 to quit or press 2 not to quit on the keypad.

When the game first starts to boot it comes up with a title screen after that title screen is done the next screen comes up with a selection of MageQuest or A Solo Adventure. To play MageQuest press 1 on the keypad. To get a Solo Adventure press 2 on the keypad. If you press either 1 or 2 it will come up with another screen. This screen has another selection for you to make on it. This selection is between Data Drive 1 or Disk Drive 1. You make this selection depending on if you have your media in Disk Drive 1 or Data Drive 1. If the media is in Data Drive 1 then press 1 on the keypad. If your media is in Disk Drive 1 then press 2 on the keypad. Then it will ask you to press the fire button on controller #1. When you do this then the disk will start booting. If you picked MageQuest it will come up with a title screen presenting level 1 then you are instructed to press the fire button on controller #1 and your game will begin. If you chose Solo Adventure it will come up shortly with a selection of several adventures. These are Dungeon of No Return, Dread Manor, and Wizard's Keep. To get Dungeon of No Return press 1 on the keypad. To get Dread Manor press 2 on the keypad. To get Wizard's Keep press 3 on the keypad. After you have made a selection it will ask you to choose a drive again, just repeat the steps above about choosing drives. When you finish with that it will come up with the title screen for the adventure you picked. Then press the fire button, and you start play.

Comments: This game is tougher than most adventure games and is of extreme quality. The playability is also very good and the graphics are excellent. There is very little use of text in this game. Most adventures will take 2-3 hours at the minimum if you create a map. If you are interested in adventure games or love adventure games this is a good investment and well worth your money. Other Solo Adventure Volumes can be bought from Ready Software for \$5.95 a Disk and \$7.95 a Datapak.

When playing MageQuest I suggest that you make a map using graph paper as I did on my map for Dread Manor. I would also suggest that you make a legend or key for your map and also interconnect lines between your rooms as I did on my map to show the entrances leading out of the rooms. You should do this in all adventure games. To find out if a monster is fast or slow just take a short step into the next then if the monster advances quickly than it is a fast monster, otherwise it is a slow monster. If it is a fast monster than check your spells outside the room where the monster is. Please remember to step out quickly to or you will die. After you have checked your spells then step back it the room where the monster is and cast the spell quickly. Always be sure that you move clear of the monster. Another thing that you may try is to move around the monster by trying rooms around the monster. Also another strategy I tried was to lure the monster in a different direction than then it is a slow monster. This only worked on the slow monsters though. Usually when the monster is not guarding anything valuable it is a slow monster. Don't take you time in a room when you have just casted a fear spell or a freeze spell because it will only take a little bit of time for that monster to recover. After you have just killed a monster in a room don't think because he is dead that another one will not replace him, because one will when you leave the room. Beware of traps, because once you are in one you will not escape.

FOR MAGEQUEST SOLO ADV. #1



Cross File

NORMAN CASTRO
809 W. 33rd Ave.
Bellevue NE 68005

INTELLIVISION GAME INSTRUCTIONS LIST 4 Jul 88

ADAM and COLECOVISION GAME INSTRUCTIONS LIST as of 14 Jul 88

I have over 137 Game Cartridges for ADAM/COLECO and offer complete instructions at \$2 for each game or 10 sets for \$16 plus \$1 S/H per order.

NOTE: I must charge \$3 for the following Game Instructions + \$1 S/H:
DRAGON'S LAIR JUEBOX SUPER ACTION FOOTBALL
WIZMATH NOTE: Mix/Match any 4 sets of the \$3 instructions for \$10 + \$1

Norman R. Castro, 809W 33rd Avenue, Bellevue, NE 68005 (402) 291-4405.

- | | |
|---|---------------------------|
| 2010 T/GRAPHIC ACTION GAME FROGGER | ROBIN HOOD |
| 2010 T/TEXT ADVENTURE (ADAM) FROGGER, II THREEDEEP! | ROCK 'N' ROLL, ITS ONLY |
| ANTARCTIC ADVENTURE FRONTLINE | ROCKY |
| AQUA ATTACK GALAXIAN | ROD 'N' ROPE |
| BARTILERY DUEL GATEWAY TO APASHAI | ROLLOVERTURE |
| BASEBALL, Super Action GOLF | SAMMY LIGHTFOOT |
| BEAMRIDER GORG'S REVENGE (BCSQuest) | SECTOR ALPHA |
| BEST OF B. ACHOP LIFT (ADAM) BUST BUSTER | SEWER SAM |
| BEST OF BC GORG'S/TIRES GYPUSS | SIR LANCELOT |
| BLACKJACK/POKER HEIST, THE | SLITHER |
| BLOCKADE RUNNER H.E.R.O. | SLURPY |
| BRAIN STRAINERS ILLUSIONS | SMURF PAINTPLAY WORKSHOP |
| BUCK ROGERS PLANETOZOOM JAMES BOND 007 | SMURF RESCUE GARGAMEL'S C |
| BUCK ROGERS (ADAM only) JUEBOX #3 | SPACE FURY |
| BUMP 'N' JUMP JUNGLE HUNT | SPACE PANIC |
| BURGERTIME KEYSTONE KAPERS | SPY HUNTER |
| Cabbage P/ADV IN T/PARK LADYBUG | SPECTRON |
| Cabbage P/PICTURE SHOW LEARNING WITH LEEPER | SQUISH'EM SAM |
| CAMPAIN' 84 LINKING LOGIC | STAR TREK |
| CARNIVALE LOGIC LEVELS | STAR WARS, T/Arcade Game |
| CENTIPED | SUBROC |
| CHOPLIFTER! LOOPING | SUPER COBRA |
| CHUCK NORRIS SUPERKICKS (MALE-A-FACE) FACEMAKER | SUPER CROSS FORCE |
| CONGO BONGO MEMORY MANOR | SUPER SUBROC |
| COSMIC AVENGER MINER 2043er | TAPPER |
| DAM BUSTERS, THE MONKEY ACADEMY | TAPZAN |
| DANCE FANTASY MONTEZUMA'S REVENGE | TELLY TURTLE |
| DECATHLON MOONSWEEPER | THRESHOLD |
| DEFENDER MOTOCROSS PACER | TIME PILOT |
| DESTRUCTO MOUSE TRAP | TOMARC THE BARBARIAN |
| DONKEYKONG (ADAM-Tape/D) MOUNTAIN KING | TOURNAMENT TENNIS |
| DONKEYKONG (COLECO-Cart) MR. DO | TURBO |
| DONKEYKONG JR (ADAM only) MR. DOI'S CASTLE | TUTANKHAM |
| DONKEYKONG JR (COLECO) NOVA BLAST | UP 'N DOWN |
| DRAGON FIRE OIL'S WELL | VENTURE |
| DR. SEUSS-FIX-UP MIX PUZZ OMEGA RACE | VICTORY |
| DRAGONSLAIR (ADAM only) #3 ONE-ON-ONE | WAR GAMES |
| DUKES OF HAZARD, THE PEPPER II | WAR ROOM |
| EVOLUTION PITFALL | WING WAR |
| FAMILY FEUD (ADAM only) PITFALL II LOST CAVERNS | WIZMATH #3 |
| FATHOM PITFALL | WORD FEUD |
| FLIPPER SLIPPER POPEYE | ZAXXON (ADAM-Tape/D) |
| FOOTBALL, SuperAction #3 G*BEFT | ZAXXON (COLECO Cart) |
| FORTUNE BUILDER G*BERT'S CUBES | ZENJI |
| FORTUNE FEVER QUEST-EOE QUINIANA-ROO | More to be ADDED write. |
| FRANTIC FREDDY QUEST FOR TIRES, BC'S | SEND TWO First Class |
| FRENZY RIVER RAID | Postage Stamps. |

I have over 55 Game Instructions for the INTELLIVISION Game System and offer complete instructions at \$2 for each game or 10 sets for \$16 plus \$1 Shipping/Handling per order of 1 to 10. You can mix and match from any system of the \$2 set of instructions. If you have any original Game Instructions which I have not listed I would be interested to receive it via a quick loan & return it along with my copy PLUS another of your choice for any system that I offer for sale. The original booklets have been reduced in size to fit comfortably on 8-1/2" x 11" sheets of paper. The Control Pad OVERLAYS were NOT reduced in size and are included on the last page of my instructions.

NOTE: MR. BASIC MEETS BITS 'N BYTES original instruction manual is over 70 pages and I must ask \$3 for this one plus \$1 S/H. It includes 3 different overlays that are full size.

NOTE: I also offer game instructions for the following systems in addition to Intellivision. Atari 5200 (Over 60), Coleco/Adam (over 136), Vectrex (over 15) and the Nintendo system (over 90): For FREE samples Send 2 First Class postage stamps and mention which game system/s you want. Thanks....

Norman R. Castro, 809W 33rd Avenue, Bellevue, NE 68005 (402) 291-4405.

- | | | |
|---------------------------|-------------------------------|-----------------------------|
| ARMOR BATTLE | HOCKEY, NFL | SPACE BATTLE |
| ASTROSMASH | ICE TREK | SPACE SPARTANS, Voice Syn |
| ATLANTIS | JETSONS WAYS WITH WORDS | STAR STRIKE |
| AUTO RACING | LOCK 'N' CHASE | SUB HUNT |
| B-17 BOMBER, Voice Synth | LOCO-MOTION | TENNIS |
| BACKGAMMON | MATH FUN | TREASURE OF TARMIN D&DRAGNS |
| BASEBALL | 'MALE-A-TRON (Tron #2) | UTOPIA |
| BASEBALL, MAJOR LEAGUE | MICROSURGEON | VECTRON |
| BASKETBALL, NBA | MISSION X | WORD FUN |
| BEAUTY & THE BEAST | MOUSE TRAP | |
| BOMB SQUAD, Voice Synth | MR. BASIC MEETS BITSnBYTES #3 | |
| BOWLING | NIGHT STALKER | |
| BOXING | PITFALL | |
| BURGERTIME | POKER & BLKJACK, LasVegas | |
| CARNIVAL | POPEYE | |
| CHECKERS | REVERSI | |
| DEADLY DISKS, TRON (#1) | ROYAL DEALER | |
| DEMON ATTACK | ROULETTE, LasVegas | |
| DONKEY KONG | SEA BATTLE | |
| DRAGON FIRE | SCOOBY DOO'S MAZE CHASE | More to be ADDED write. |
| DUNGEONS&DRAGONS, ADVANCE | SHARP SHOT | Send TWO First Class |
| FOOTBALL | SKIING | Postage Stamps ONLY. |
| FROG BOB | SNAFU | Mention which game |
| GOLF, PGA | SOLAR SAILER, TRON | system/s you want. |

INTELLIVISION HARDWARE INSTRUCTIONS // also \$2 each plus \$1 S/H per order.

SEARS VIDEO ARCADE OWNER'S MANUAL
VOICE SYNTHESIS MODULE

SPECTRAVIDEO

Super Cross force

1983

GAME INSTRUCTIONS FOR SALE

I have reduced size Game Instructions that fit comfortably on 8-1/2" x 11" sheets of paper for sale and available for the following systems:

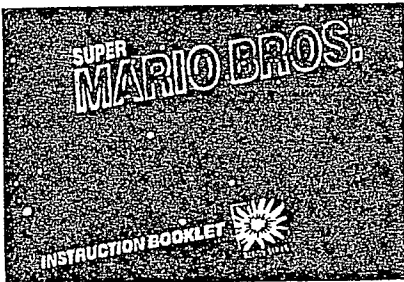
ADAM/COLECO (over 135 games)
INTELLIVISION (over 55 games)
NEW - VECTREX (over 20 games)

ATARI 5200 (over 60 games)
NINTENDO (over 100 games)

I offer complete instructions at \$2 for each game or 10 sets for \$16 + \$1 Shipping/Handling per order of 1 to 10. You can pick & mix from any system of the \$2 set of instructions. Send TWO 1st Class Postage Stamps for samples

NOTE: If control pad overlays were included these FULL SIZE overlays are included (as long as I have them to copy). It has been my policy to send updates (i.e. over lays found - extra instructions etc) FREE to my customers. Your name and address will be kept on file for this FREE service.

Norman R. Castro, 809H 33rd Avenue, Bellevue, NE 68005 (402) 291-4405



Thank you for selecting the Nintendo® Entertainment System Super Mario Bros.™ Pak.

OBJECT OF THE GAME/GAME DESCRIPTION
One day the kingdom of the peaceful mushroom people was invaded by the Koopa, a tribe of turtles famous for their black magic. The quiet, peace-loving Mushroom People were turned into mere stones, bricks and even field horse-hair plants, and the Mushroom Kingdom fell into ruin. The only one who can undo the magic spell on the Mushroom People and return them to their normal selves is the Princess Toadstool, the daughter of the Mushroom King. Unfortunately, she is presently in the hands of the great Koopa turtle king. Mario, the hero of the story (myself) hears about the Mushroom People's plight and sets out on a quest to free the Princess from the evil Koopa and restore the fallen kingdom of the Mushroom People. You are Mario! It's up to you to save the Mushroom People from the black magic of the Koopa!

Please read this instruction booklet to ensure proper handling of your new game, and then save the booklets for future reference.

©1985 Nintendo

SAMPLE

This NINTENDO sample represents what you can own to replace your lost/misplaced game instructions. This is page one of two pages for 'SUPER MARIO BROS.' Pages 3, 6 and 9 were removed from this full size sample.

Most of my Game Instructions sell for \$2 + \$1 Shipping & Handling or 10 sets for \$16 + \$1 S/H per order of 1 to 10 sets. You can mix & match any game system \$2 set of instructions.

In addition to NINTENDO I offer Game Instructions for the following systems:

ADAM
ATARI 5200
COLECO
INTELLIVISION
VECTREX

For FREE samples send TWO First Class Postage Stamps & mention which system/s that you want.

Norman R. Castro, 809H 33rd Avenue
Bellevue, NE 68005
(402) 291-4405.

SAMPLE

A button
Jump..... Mario (Luigi) jumps higher if you hold the button down longer.
&
Swim..... When you're in the water, each press of this button makes you bob up.
* Don't get too lazy about swimming or you'll get pulled under by the whirlpool at the bottom of the screen.

B button
Accelerate..... Press this button to speed up, then jump and you can go all the higher.
&
Fireball..... After you pick up the Fire Flower, you can use this button to throw fireballs.

SELECT button
Use this button to move the mushroom mark to the game you wish to play.



3. HOW TO PLAY



As this game proceeds the screen gradually advances to the right. The Mushroom Kingdom is made up of a number of worlds, and each world is divided into 4 areas. The fourth area of each world ends in a big castle. The Princess, as well as her mushroom retainers, are being held in one of the castles by the turtle tribe. In order to rescue the Princess, Mario has to make it to the castle at the end of each world within the game time. Along the way are mountains, hills, sea turtle soldiers, and a host of traps and riddles. Whether or not you can make it to the last castle and free the Princess depends on you. You're going to need sharp wit and lightning reflexes to complete this quest!

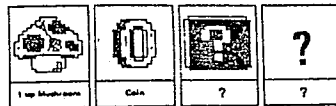
Pointers



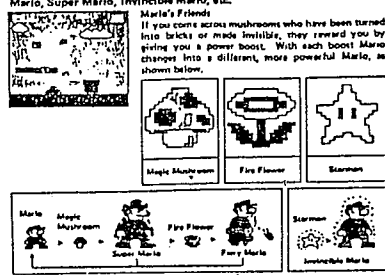
- Jumping..... Mario and Super Mario both jump the same height.
- The height Mario jumps depends on how long you hold the A button down.
- You can use the D control pad to make Mario back to the left or right even in mid-air!
- Pushing the B button makes Mario speed up, and when Mario is speeded up he can jump higher.

Bonus Prizes

- If Mario picks up 1 up mushrooms, he gets an extra life.
- If Mario picks up 100 coins, he gets an extra life.
- In addition, there are other ways to get an extra Mario.



Mario, Super Mario, Invincible Mario, etc.



Mario's Friends
If you come across mushrooms who have been turned into bricks or made invisible, they reward you by giving you a power boost. With each boost Mario changes into a different, more powerful Mario, as shown below.

Magic Mushroom
Fire Flower
Starman

Mario
Super Mario
Invincible Mario

Return to regular Mario when bumped over by a bad guy!

NOTE: I must charge \$3 for the following instructions + \$1 (Shipping and handling)
FLASHCARD MAKER
RECIPE FILER
SMART FILER
SUPER SKETCH
WACKY WORD GAMES

NOTE: Any mix of 4 sets of the \$3 instructions \$10 + \$1 S/H.

*** NOTE: I must charge \$4 for ADDRESS BOOK FILER & AUTODIALER + \$1 S/H.
*** NOTE: I must charge \$6 for ADAMCALK + \$2 for Shipping & Handling ***

ADAM 64K MEMORY EXPANDER
ADAMCALK complete instructions \$6 + \$2 S/H w/Quick Reference Guide
(ADAM) COLECO LINEAR POWER SUPPLY
ADDRESS BOOK FILER & AUTODIALER \$4 + \$1 S/H (original has over 50 pages)
COLECO VISION OWNERS MANUAL
EVE ME-64 64K MEMORY EXPANSION MODULE (64K Board)
EXPANSION MODULE #2 (Driving)
EXPERTYPE
FLASHCARD MAKER \$3 + \$1 S/H
FLASH FACTS
PERMA POWER BATTERY ELIMINATOR (Turbo)
RECIPE FILER \$3 + \$1 S/H
RFI-1 KIT (Sleeves for ADAM cables) to continue FCC certification
ROLLER CONTROLLER
ROLLER CONTROLLER SUPPLEMENT FOR ADAM
SMART FILER w/QUICK REFERENCE GUIDE \$3 + \$1 S/H
SMART LETTER & FORMS
SUPER ACTION CONTROLLER SET
SUPER SKETCH \$3 + \$1 S/H
WACKY WORD GAMES \$3 + \$1 S/H

NOTE 2: I also offer game instructions for the following systems in addition to ADAM and COLECO. Atari 5200 (over 60), Intellivision (over 55), Nintendo (over 90), Vectrex (over 15). Send TWO First Class Postage Stamp only for free samples. Mention which game system/s you want. More to be ADDED write. If you have any original game instructions which I have not listed I would be interested to receive it via a quick loan and return it along with my copy plus another of your choice for any system that I offer for sale.

Norman R. Castro, 809W 33rd Avenue, Bellevue, NE 68005 (402) 291-4405

NORMAN CASTRO
809 W. 33rd Ave.
Bellevue NE 68005

Dear Game Instruction Customer,

17 July 88

First I wish to thank you for your purchase and I am looking forward to serving you again.

Recently one of my new customers asked for the Game Instructions for Space Shuttle in the Atari 5200 format. He included a sample of his reduced size xerox instructions (they were reduced by someone else more than my method). I noticed that his instructions were correct but he was stumped on how to proceed. He said "It mentions an L key, E key etc. None of which is on a 5200 controller. Was there some kind of template or overlay included? If this sample represents the 5200 then I would need anything else that came with the cartridge so I can make heads or tails of it."

I looked at my Atari 5200 Space Shuttle game instructions and discovered that I had not included this valuable tool. I have since looked over most of my 350 Game Instructions and have updated all that I found that could use overlays and updates.

I am sending you at no cost free updates of all the Game Instructions that you bought from me in the past that I have since updated. I want to treat my customers as I would like to be treated. I value my customers and will provide QUALITY products. If you have any suggestions, comments etc please write me... I listen.

I have expanded my Game Instructions to include the following systems:

ADAM - COLECOVISION (over 135)

ATARI 5200 (over 60)

INTELLIVISION (over 55)

NINTENDO (over 90)

VECTREX (over 15)

Most of my Game Instructions still sell for \$2 each plus \$1 Shipping/Handling or any 10 sets of the \$2 instructions for \$16 + \$1 S/H per order of ten. You can mix or match with any system.

A few sell for \$3 each plus \$1 S/H or any 4 sets of the \$3 instructions for \$10 + \$1 S/H. You can of course mix or match any system.

I am adding more Game Instructions constantly. If you have any that I do not write me for a quick loan and return along with my copy PLUS another of your choice for any system that I offer for sale. For FREE samples send TWO First Class Postage Stamps ONLY and mention which game system/s you are interested in.

Thank you for your support.

Norman
Norman

Norman R. Castro
809W 33rd Avenue
Bellevue, NE 68005
(402) 291-4405

NETWORKADAM NEWSINFO LETTER

Our member, Eric Danz is involved with the NEW NETWORKADAM NEWSINFO LETTER due to come out shortly.

If you send a stamped-self-addressed envelope to him you will receive the below.

Basically, this gets you a FREE copy of the his 1st newsletter, information on subscribing and a coupon for a free selection from the ADAMzap Catalog. [I am NOT sure how long this offer will be open so send today.].

The software from ADAMzap is excellent. I have tried many of the titles and they are ALL very well written, reasonably priced and a fine edition to your Adam Software Library.

Barry A. Wilson



ADAMZONE Publishing Company

17 Capstan Road
West Milford, NJ 07480-4816

Greetings fellow ADAM owner. Thank you for sending in your Self-Addressed-Stamped-Envelope. Enclosed find an ADAMzap Software catalog and a coupon for a free selection. This is your free gift that you were promised when you sent in your SASE. The subscription information is contained in this letter and your FREE issue is on its way. Before going into the subscription information let's explain a little about the newsletter and this publishing company.

ADAMZONE Publishing Company started out as a local newsletter. The lack of a professional style caused its abrupt halt. ADAMZONE continued releasing public domain software. A few titles were released and then the entire company was silenced. Now with a large financial supporter and many upgrades the newsletter will again be published, along with more public domain releases. With the help of professional desktop publishing and a printing company, ADAMZONE Publishing Company is ready to awake once again. With the help of Eric E. Danz and his self run ADAMzap Software Company, ADAMZONE will grow in publications and software titles.

The first step in ADAMZONE's new line of support for the ADAM will be the NetworkADAM NewsINFO Letter. This is a newsletter published six times a year and will contain ADAM supported articles. The first issue will be mailed out in September of this year. The first issue is FREE to anyone wanting it. Since you have sent in your SASE now you will receive it, from us, for FREE. To all others, they will have to send a SASE to receive the first issue FREE. This first issue will contain all subscription information and a complete write-up of the newest ADAM hardware and software. Look for the first issue of the NetworkADAM NewsINFO Letter in your mailbox this September.

The second step in ADAMZONE's new line of support for the ADAM will be the NetworkADAM NewsINFO Media. This is public domain software for the ADAM computer. It is available on Data Packs or Disks. These titles will be listed in every issue and can be bought for low prices. As part of the subscription price to the newsletter, the subscriber will receive a coupon for a FREE NetworkADAM NewsINFO Media title. Look for the first coupon in the first issue of the NetworkADAM NewsINFO Letter in your mailbox this September.

The final step in ADAMZONE's new line of support for the ADAM will be the continued support from Eric E. Danz and his ADAMzap Software Company. His new line of software and his newest catalog will be included in every mailing. This will give you access to new software in the Copyrighted section of software.

Now all you have to do is select a software title from ADAMzap Software and send the coupon, enclosed, along with the cost of shipping and handling according with the ADAMzap catalog. Then wait for your FREE selection and your FREE issue of the NetworkADAM NewsINFO Letter in your mailbox this September. Then if you like the newsletter follow the subscription instructions in the newsletter and receive the newsletter six more times and get a FREE public domain selection. All in all you will be getting FREE software and FREE publications and most of all FREE support from the new ADAMZONE Publishing Company. Thank you.

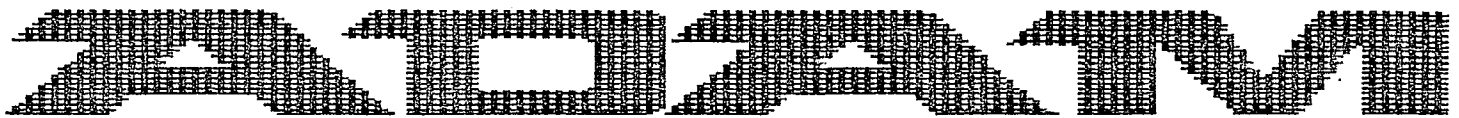


THIS IS YOUR
FREE COUPON
DETACH AND
MAIL IN NOW

//

REPRINT SECTION
FROM OTHER ADAM GROUPS

for use with



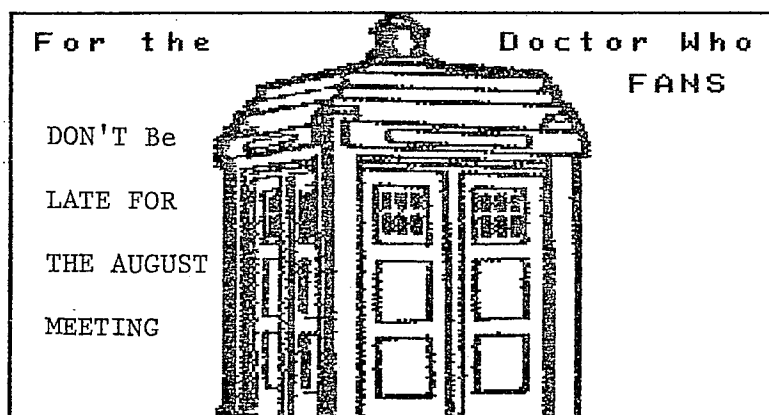
THE COLECOVISION
FAMILY COMPUTER SYSTEM

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 newsletter 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.



Norman R. Castro, Founder

This is your 25th newsletter which I plan on passing out on 2 Aug as part of Package 25. Thanks for your confidence and support. The DAUC is a local club only with fees of \$20 per 5 issues (PKGS w/programs) received. NOTICE: I will sell to any 'Paid Up to Date' local member any six back issues (1 years worth \$20) w/programs (on your media) for \$15.

NOTICE: To the general public and former DAUC members if you want just this newsletter mailed to you (First class) I will for \$5 per year to US mailing address and \$10 (dollars, US currency), to foreign countries. Also for \$5, on disk I will mail any of our PD PKG programs mailed to you (disk furnished w/programs). If you desire this on a Data Pack the price will be \$8 mailed to you.

Financially speaking my wife Lena and I are better off staying here in the Omaha area for our retirement. I expect to continue DAUC as I have in the past and will visit the state of Maine this October. We have always loved our home because of a full cellar & Offutt AFB is only 1 mile away. Bellevue and Omaha has most of what we require and our daughters are only 800 miles away in Columbus Ohio.

This is from COMPUTER ENTERTAINER, 5916 Lemona Ave, Van Nuys, CA 91411. They have an EXCELLENT honest evaluation of products (GAMES for all systems). \$25 for 12 issues while renewals are only \$38 for two years (First Class). "NINTENDO" -- Chip shortage continues ... the best advice we can offer is to buy that game you want when you see it. If you wait, you may miss out. Shortages are expected to be widespread, with dealers receiving only portions of what they have ordered from manufacturers and some dealers not receiving ANY of what they have ordered. Furthermore, we noticed a trend among game producers to DELETE certain titles from their product catalog in order to allot more of the precious chips to the "important" titles. I have listed these games below:

ARKANOID	GRADIUS	POPEYE
BALLOON FIGHT	GUNSHOE	SOLOMON'S KEY
BASEBALL	ICE CLIMBER	URBAN CHAMPION
BURGERTIME	MACH RIDER	WILD GUNMAN
CLU CLU LAND	MARIO BROS	
DONKEY KONG 3	NIGHTY BOMBS JACK	

FREE: One copy of my newsletter for two first class postage stamps to any interested person. Tell others...

NEWS: I now have for sale at \$2 per set of Game Instructions or 10 for \$16 + \$1 S/H for VECTREX (over 20). I have been very, very busy I have increased my number of Game Instructions for INTELLIVISION (over 35), ATARI (over 60), NINTENDO (over 100) & of course ADAM/COLECO (over 135). These have been reduced in size to fit comfortably on 8-1/2" x 11" sheets of paper. For FREE Samples send TWO First Class Postage Stamps and mention which systems that you are interested in. NOTE: I have just mailed out FREE updates to former customers that did not have the OVERLAYS as I have just included this important tool at NO COST to them.

ADAM'S ALIVE (continued) If you (or you know of someone who has) purchased our Business Pack from HERITAGE, please let us know. If you have such information, please feel free to call us collect.

ADAM MAGIC has colored ribbons for STAR printers, as well as for other types of dot matrix printers. For a complete catalog send a 25 cent stamp to: ADAM MAGIC 1534 N. Thompson Dr, Bay Shore, NY 11706-1330.

For those of you dot matrix printer owners, we now have 5 ft printer cables for only \$12.95 each.

DATA PACK CARE ... Before inserting a data pack, check the tension of the tape. If the tape is loose, use your finger and tighten the tape before putting it into the drive. This simple step could possibly prevent the tape from ever spinning off the track & getting jammed up. If the tape seems to slow down due to increased tape tension, tap the tape against a hard surface (such as a table). Tap the tape about 3 or 4 times to loosen up the tension. In most cases, this will solve the problem.

NOW AVAILABLE: ADAM compatible 5-1/4" DOUBLE SIDED Disk Drive manufactured by E & T SOFTWARE. These drives give 320K of storage space, and are completely compatible with all ADAM software. Complete installation instructions, & formatting software is included. These drives come with a 90 day limited warranty. Available NOW for only \$250.00 plus \$6 S/H.

Our new ADAM'S ALIVE BBS will be on-line by August 1, 1988. We will have several programs on-line for you to download. The settings are: Half Duplex, even parity, 1 stop bit. Be sure you set line-feed and word-wrap ON. Available hours will be 7PM - 6AM (Mon, Fri, Sat, and Sunday, 6AM - 10PM & 10PM - 6AM (Tues - Thur) Central Standard Time. The number for the BBS is 214-414-8097. For further information on how to use the board, give us a call (VOICE) at 214-414-8156.

FLASH REPORT: TeleGames has just released their own ColecoVision compatible arcade game system. The TeleGames Personal Arcade allows the use of ALL ColecoVision/ADAM video game cartridges. The system contains ON BOARD arcade game, & an expansion port (no details are yet available on the planned use of this port). Several new titles have been just released by TeleGames, & more are planned. In talking with another ADAM programmer, he showed much interest in the possibility of writing some new cartridge games for this system. This of course means that any cartridges developed for the TeleGames Personal Arcade, will also work on our ColecoVision and ADAM systems. This new system retails for \$70. Member price is only \$59.95. Look for a complete review of this new game system next month.

Several members have been upset that they can't make themselves backup copies of TeleGames ADAM software. For those of you who have a TeleGames data pack or disk that goes bad after the warranty period, return the original media and \$5 and we'll make you another copy. The reason we can do this is because we do ALL of the duplication for TeleGames.

This is from METRO, Patricia Herrington, 1003 Oak Lane, Apoka, FL 32703 \$12 year. TWO OFFERS from Practical Programs, PO Box 244, Kalamazoo, MI 49005-0244... starting this summer, they will be selling "doubles" of some of their programs. That is when you purchase the program, you will get the same program written in SmartBASIC 2.0 FREE on the other side of a floppy datapack, or on a 2nd disk. If nothing else, this may increase the amount of programming done in SmartBASIC 2.0. It was not easy to choose 2.0 over 1.0, and not cheap to buy both versions of a utility program. Hats off to Practical Programs for this one! Included in their offer will be their popular utility programs BASIC MANAGER, FASTRUN, MULTICART BACKUP, SUPER COPY PACKAGE, VERIBACK, HENSUP, and FLIPPY STARTER KIT. Write them for a catalog & mention METRO & DAUC.

To stop a defective tape from spinning endlessly (usually the tape is improperly formatted & is searching for something that isn't there), just pull the CARTRIDGE reset switch (not computer reset). If this doesn't work within a couple of seconds, do it again. It will stop the spinning tape. If, however, the tape doesn't move at all, & ADAM jumps to word processor, remove the tape & rewind it (gently) before you give up on it. (This is from me) You might also take the tape out after it has stopped spinning & smack it flat on a table. Use any side not the edge.

This is from mr. COMPUTER SHOPPER, 5211 S. Washington Ave., Titusville, FL 32781-9998 at \$35.40 cover price has ADAM programs & info under their CLASSIC COMPUTERS section. Most ADAM related newsletters are talking about this as our ADAM is now included in national coverage. They could use YOUR help with articles etc. Write them & thank them for picking up the ADAM computer. Mention DAUC it won't hurt. I subscribed and told that it was because of the ADAM computer now being carried. Let them know how we all appreciate this coverage. They have also started to carry ads for our ADAM.

This is from ADAM'S ALIVE \$20 year, E&T Software, 1010 Westminster, Garland TX 75040 (214) 414-8156. Digital Express has just released SUI(T)PRINT. This new program will allow the printing of high resolution graphics via the Okimate 20 Color Printer. Color graphics can be printed from SmartBASIC, ShowOFF 1, PowerPAINT, GRAPHXPAINTER, & PaintMASTER

It has come to our attention that an ADAM retailer by the name of HERITAGE, has been copying & selling copyrighted software WITHOUT the permission from the holders of the copyrights. It is our opinion that this is a very serious act that cannot be overlooked.

Since the very survival of the ADAM depends on the third party software & hardware developers, this kind of action could very well cause the final death of the ADAM. By stealing profits from the developers of software, this kind of action could cause many software writers to drop plans on producing more software for the ADAM.

We were informed that our Business Pack was listed in their catalog (one of their customers even called us after purchasing our Business Pack from them). We have since contacted this company & warned them that we would take legal action if they sold any of our copyrighted software without our permission. They of course apologized, & said that they did not know that Business Pack was copyrighted. They stated that they thought it was in the public domain.

*** Great Deal *** Centipede or Defender for Coleco or ADAM on cartridge closeout price only \$3.95 each or \$9.95 for both. Add \$3 for shipping. Money order, certified check, Visa, Mastercard same day shipping. Personal check allow 2 weeks for clearing. Note: Defender not compatible with ADAM standalone. Dealers welcome. MICROPLAY, Ontario Canada K2P-1H8 Phone (613) 236-1980. (This is from MICROPLAY)

This is from IEAUG, PO Box 22010, Rialto, CA 92377 (NEW ZIP). An EXCELLENT CP/M newsletter plus SmartBASIC also. Japanese Microchips. The news from Washington about the pact the United States made with Japan on semiconductor is that it has been a disaster. There is no other word for it. Under the accord, Japan promised to allow American & other foreign chip manufacturers to increase their sales in Japan. In return, Japanese companies were to quit dumping their chips in the United States. So far, the increase of the American sales in Japan has been infinitesimal or non-existent. Instead of dumping microchips, Japan has straight armed the American computer manufacturers with a totally unexpected maneuver. They have skyrocketed the price of their microchips. The price increases have been nothing short of spectacular. In just a few months, the price of 64K DRAMS has gone from 90 cents to about \$1.50. Similar increases have hit the 256K chip & the price of the one megabyte chip (if you can find them at all) has gone off the charts. The strategy is clear. It is to give the Japanese computer manufacturers an edge over the American competition. The action of the Japanese is so flagrant, that there is bound to be a strong congressional reaction.

This is from The Saint Louis ADAM User Group, 12957 Weatherfield Drive St. Louis, MO 63146. Mike Keith has been bringing his MEGACOPY hardware & software to our meetings and has been making DDHops in any of several different configurations. NOTE: from me - I have seen more and more excellent reviews of MEGACOPY and plan on getting myself one this year.

(This is from me again - SPEED WRITE 2.0 Revision 3) has been reviewed in many newsletters and they all love it. SPEEDY WRITE The Advanced Word Processor for the Coleco ADAM. The word Advanced is an understatement. This program is very powerful, feature packed, & both simple & complex. The program package consists of a DDP and a 50+ page user's manual. The manual is enough to strike fear into the hearts of most ADAM users because nothing written especially for the ADAM is this complex or extensive. The program is written in assembly language & is almost 23K long. But fear not!! Using SPEEDY WRITE is very easy.

Basic Programming: As I promised, we will talk about the rounding "bug" in SmartBASIC 1.0. If you use the normal approach with the "INT" command & then multiplying and dividing you will come up with a final answer that sometimes runs off with about eight 9's. If you use the following formula it should fix this problem. Try: X=INT((X*100000000.5)*.01). The 100000000.01 can be changed in order to carry out the figure to more decimal places.

For the rest of the year our DAUC meetings are on 4 Oct & 6 Dec at 6PM

Norman R. Castro, 805W 33rd Avenue, Bellevue, NE 68005 (402) 291-4405

13

MODEM SOFTWARE CHOICES

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

25-Jul-88 07:30:34

Sb: Instructional Video
Fm: Bill Osburn 71001,1667
To: ALL ADAM USER GROUPS

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

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

(516) 593-8798

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

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

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

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

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

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

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

Beginner's Corner: Using Your Word Processor

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

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

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

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

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

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

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

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

FROM THE EDITORS DESK:

Well, summer is finally here and it's time for many of us to think about when we're going to take our vacations, as well as where we're going to take our families.

If any of you decide to come and visit Dallas Texas, please feel free to drop by and see us. We would very much like to meet you and your family.

Very sorry that we're once again late with the issue. We are trying our best to get caught up.

ADAM NEWS

It seems that COLECO is on the verge of filing for financial protection under Chapter 11. The company that produced such a great computer like the ADAM (and then failed to support it) has found itself in a troublesome financial situation. Maby it serves them right. What do you think? Even if COLECO goes under, the ADAM should still survive for some time to come. With the strong support from the many 3rd party companies, ADAM may out live it's designer.

Several of you may have heard that we (and NIAD) were involved with a dispute with Orphanware. After conferring with our Attorney, we are happy to report that we have worked out an arrangement with Big John of Orphanware, and he will post retractions on the various BBS Bulletin Boards across the country. We are glad to see this dispute behind us, so that we can now get back to supporting our orphaned ADAM without undue conflict.

We are now offering our OWN double sided ADAM compatible Disk Drives.

Complete instructions, formatting software, and CP/M patch software is included. We use high quality Fujitsu (converted) IBM compatible drives, inserted into a standard ADAM Disk Drive housing. Our double sided drives give you 320K of storage (the single sided ADAM drives only have 160K). The drives come with a 90 day limited warranty. The member price for this high quality drive is only \$260.00 plus \$6.00 shipping. But, as an introductory offer, if you order one of these drives before September 1, 1988, your price will only be \$250.00 plus \$6.00 shipping.

We also have double sided Disk Drive kits. Each kit includes a double sided (converted) Fujitsu Drive, new EPROM, and complete installation instructions. This kit has been designed for anyone that has a knowledge of how to use a soldering iron. Two jumper wires will need to be soldered onto your ADAM controller board. The rest of the installation is fairly easy. The price for this kit is only \$90.00 plus \$6.00 shipping.

For those of you who would like to upgrade your ADAM Disk Drive to double sided, but have no soldering experience, or would rather not do the conversion yourself, send us your ADAM Disk Drive with \$125.00 (this price includes return shipping), and we'll do the conversion for you. This conversion price is only good if you have a workable ADAM controller board and power supply.

We are also working on a 720K 3 1/2 inch Disk Drive, as well as a 720K 5 1/4 inch Disk Drive. The 3 1/2 inch drive should be available by next month. The price will be \$390.00.

Digital Express is working on a book that will contain a complete index of all available picture, and clip art files for PowerPAINT. Each picture file, or clip

art file, will be printed for reference. This long awaited directory should be completed by next month.

Digital Express has informed us that ALL of their future software titles will be copy protected. Due to the piracy problem among ADAM owners, Digital Express has decided that the only way to keep the ADAM alive is to use copy protection. They will of course be offering a very liberal replacement policy for all registered owners of their software.

Walters Software has completed their new spelling checker program called SpellingAID. Set to retail at \$29.95, this program will work with a standard ADAM or with ANY size ram expander card (up to 512K). For those of you with a 256K expander, the dictionary can have up to 20,000 words. We'll have a complete review next month.

Walters Software is also working on an additional spelling dictionary that contains 15,000 of the most commonly misspelled words. The price will be \$19.95. We'll have more details as they become available.

Walters Software is finalizing their new PrintSHOP type program (as yet unnamed) that will print signs, posters, greeting cards, etc. Fully SmartKEY driven, this program WILL NOT require a 64K expander card, but WILL require an Epson or IBM compatible dot matrix printer for printing. We have been told they are hoping to release this program in about two months.

FLASH REPORT

TeleGames has just released their own ColecoVision compatible arcade game system. The TeleGames Personal Arcade allows the use of ALL ColecoVision/ADAM video game cartridges. The system

contains one ON BOARD arcade game, and an expansion port (no details are yet available on the planned use of this port). Several new titles have been just released by TeleGames, and more are planned. In talking with another ADAM programmer, he showed much interest in the possibility of writing some new cartridge games for this system. This of course means that any cartridges developed for the TeleGames Personal Arcade, will also work on our ColecoVision and ADAM systems. This new system retails for \$69.95. Member price is only \$59.95. Look for a complete review of this new game system next month.

ANNOUNCEMENTS

Last month we listed the address of the new monthly magazine VIDEOGAMING and COMPUTER NEWS. We have since been informed that we printed their address in error. Below is the complete, CORRECT address:

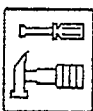
VIDEOGAMING
AND COMPUTER NEWS
2226 PATTERSON AVE., SO.
JOPLIN, MO 64804

The price shown for SmartDISK (for SmartBASIC 1 & 2) has been incorrect. The correct member price should have been \$24.95, NOT \$19.95.

The response of members concerning Chess Champ has been very favorable. Many members (as well as their children) like the fact that it is fairly easy to play against. Thus, if you are a new chess player, you should LOVE Chess Champ. For those of us "experienced" players, Digital Express should have another revision released by sometime in September.

HARDWARE DESIGN

by John R. Lingre



EDITOR'S NOTE: This article commences a series on interface projects for the ADAM by hardware guru John R. Lingre, founder of OrphanWare. In June there was a lot of heated activity between a few ADAM support firms regarding an alleged new parallel interface for the system. The situation is a lot more calm now. The other hardware manufacturer and OrphanWare have decided to patent entirely new designs. And, John has decided to make public the inside information on his PIA2.

The OrphanWare PIA2 and the EYE SP-1P (and SP-1) are currently the only legal commercially produced parallel printer interfaces for the ADAM in this country. Capitol Software used to produce an interface for the OXIHATS 20 (using a Commodore 64 emulation) that plugged into the modem port, but I don't think that it is available anymore.

Both the PIA2 and SP-1P have similarities, such as accessing the same I/O port. But, what goes on inside is entirely different. We will not discuss the inner workings of the EYE ports, as that is a design which still belongs to EYE Electronics.

In order for the ADAM to print to a dot matrix printer, the software will have to do two things right away. First it must determine that the printer is ready to accept a character; and second, it must send that character. To check the status of the printer, the 280 must read the port and check the printer ready bit. To do this, software will use the assembly command IN, 40h. This command will put the address on the least significant 8 address lines. (The 280 never uses more than 255 I/O ports.) It will also take the IORQ (In/Out Request) and drive it to a LOW state. At the same time, the READ line from the 280 will also go low. Out at the PIA2, the two 74LS32's and the 74LS138 decode the address and determine that HEX 40 is a legal address. It then uses the IORQ to determine that this is an I/O operation, as opposed to a memory read or write. Now that it has been determined that this is a command for the PIA2 to send the printer status to the 280, the decode logic will enable the 74LS368 and put the 74LS374 into a high impedance state. The status bits from the printer are routed through the 74LS368 to the 280 data lines. The 280 will receive these in the accumulator.

Now we have software check to see if the printer is ready. If it is, then we go on to the actual print routine. If not, we will loop on a Compare statement until the printer is ready.

Now, assuming that the printer is ready, the software must load the A register with the ASCII character that we want to print. This is done with a LDA command. The data can be any legitimate ASCII character or control value. Once loaded in the accumulator, the 280 is commanded to do an OUT, 40h command. This puts the ASCII value on the 8 bit 280 data bus, the address (40h) on the eight least significant address lines, and drops both IORQ and WR to a low state. RD goes high.

Once again, the PIA2 decode logic will determine that this is an I/O operation which it needs to respond to. The 74LS374 is connected directly to the 280 data bus, and as soon as the data shows up at the chip and the decode logic has determined that this is a write command, the data is loaded into the eight registers of the 74LS374. At the same time, IORQ and WR are decoded to put the 74LS368 into a disabled state. (This stops data from going from the printer to the 280 data bus.) Now, we send the 74LS368 signal to the transistor via the 7404 chip. When the transistor turns on, it pulls the circuitry inside the printer low, telling the printer that it is to accept the data presented on its data lines. From here, the printer does its magic and we see the character or graphic appear on the paper.

I will write about printers in a later article. In the next installment of this series, we will present the schematics and drawings for the PIA2 and show you how you can build one for yourself for less than \$12.00.

PRODUCT: File Manager 2.1
MANUFACTURER: AJM SOFTWARE
MEDIA TYPE: disk/DDP
INSTRUCTIONS: 92/n/a; 97
USEFULNESS vs. PRICE: 99
RECOMMENDATION: HIGHLY RECOMMENDED
PRICE: 16.95
RATED BY: Solomon Swift

As with any computer, media utilities abound for the ADAM. With so many, why should we even consider adding another to our software library?

This is a package that you'll find many uses for. It is, in my opinion, the most versatile media management program written for our system. And, it is done completely in super fast machine code. Some of its features are common to other utilities, but many are quite unique for the ADAM.

File Manager has ten central functions; each one has a variety of support features, controls, and functions. And the program is one that will grow with you as you expand your system. It supports 160K, 320K, and 720K disk drives. And it supports any size of OrphanWare compatible memory expansion card (64K, 256K, and 512K). Additionally, you may customize default screen colors and startup drives.

You may COPY FILES one at a time or in parted groups to the same or different drives. You may DELETE FILES with the same options. And you can PRINT FILES in the same manner; you choose between the ADAM printer or a standard dot matrix. For printing you can select the line width, left margin, and a type of page break. Plus, you can choose form feed or cut sheet, single or double spacing, and draft or letter quality (for a DMP).

File Manager's BACKUP option uses the "smart" process of reading the directory and calculating the number of blocks to backup. For Super Games and CP/M media it copies all available blocks. You can also COPY BLOCKS. With this option you may copy one or multiple blocks. You can even move them around to change the sequence from the source to the target media. Another feature is the capability to EDIT BLOCKS. Block editor's are fairly common; but one super nice feature here is that you can edit in HEX or ASCII. With the ASCII option you just type in the replacement text.

Another useful function is the REUNCH feature. This automatically edits a directory and relocates files to completely remove DELETED files. As most of us experienced ADAM owners are aware, DELETED files can devour a directory. File Manager fixes this problem ... fast.

The package includes options to FORMAT disks. It will work with any size, and you may format one or two disks simultaneously. You may also INITIALIZE the directory on any medium.

Included also is a powerful DIRECTORY SORT function. You can rename, lock, delete, and UNDELETE files. In fact, you can completely edit the attribute byte for any directory entry, eg, change to system, lock, unlock, read protect, etc. You can also edit the entire 26 bytes of file information for any entry -- with ease. And, you can delete files starting at any particular file entry.

I believe that anyone, even a novice, would be well pleased with this powerful combination of utilities by AJM SOFTWARE. As with SpeedyWRITE, which I reviewed last month, there are no graphics to speak of. What you get is a POWERHOUSE of a package ... and at a VERY reasonable price. With full-featured programs written in fast machine code such as File Manager, PowerPAINT, and SpeedyWRITE, the ADAM will be a viable, productive system for MANY years to come. File Manager is a program that you will USE.

ADAM NEWS AND UPDATES



□□□ You'll note that we have a different color for the cover page. We change colors at the beginning of each fiscal year. This issue marks the start of our THIRD YEAR serving the ADAM community. Thank you for your support.

□□□ BRYAN'S SOFTWARE has finished their first two CARD SETS for use with PowerPAINT. See the ad on page 24 of this issue for more details.

□□□ ADAM SOFTWARE, headed by Tony Morehen and Guy Cousineau, has finished another revision to their fine utility FILE MANAGER. See the review in this issue of version 2.1.

□□□ DIGITAL EXPRESS has started a special extension option to M&B subscribers. We will mail issue program disks every other month. The first bi-monthly disks will go out in August, within a couple of days of the August issue of M&B, and include all the programs from the July and August issues. Thereafter DISK PAKS will go out on even numbered months to include programs from that and the preceding month. This option is ONLY available on DISK. The cost is only \$12.00 per year (the DISK PAK term does not have to coincide with your M&B term) for six disk packs. This is less expensive than ordering the quarterly disk sets and far easier than typing the programs in yourself. Until August 5, we're accepting charter DISK PAK subscribers for the introductory price of just \$10. Join today; save time and money.

□□□ TELEGRAMS is reported to have just completed a new video game system which retails for just under fifty dollars. Telegames-Personal Arcade. Active marketing should begin this fall. The really good news is that their new system will play any ColecoVision compatible cartridge. The converse should also be true; thus, we can expect to start seeing some new ADAM compatible games in the near future.

□□□ GING Enterprises is reported to be working on new action games of Super Game quality. Of course, these will be written in fast machine code. They're the folks who brought us the excellent QuikCOPY utility.

□□□ The Calgary ADAM Family has released a new modem program for use with the ADAMLink modem. It runs under standard DOS; it does not require CP/M. It is available for \$20 on disk (\$22 on tape) plus \$2.00 for S/H.

ADAM'S FAMILY
6508 34 Street SW
Calgary, Alberta
CANADA T2E 5M2

□□□ REEDY SOFTWARE has released two new titles for the ADAM. PHRASE PAK TWO is a special Show Biz pack for use with their fine PHRASE CRAZE (\$7.95 on disk; \$9.95 on tape). GRANDMA'S RECIPES is a collection of several dozen "delicious" recipes (ranging from desserts to main courses) for use with Coleco's RECIPE FINDER.

REEDY SOFTWARE
10085 60th Street, SE
Alto, MI 49302

□□□ Mel Ostler has finished his latest educational book on programming ADAM in machine code, FROM BASICS TO BASIC. This one provides a good foundation for those who found his LEARNING TO READ WITH ADAM too difficult. His new text is just \$15.00 plus \$3.00 for shipping. We'll have a review next month.

Mel Ostler
7641 Raasaf Boulevard
Las Cruces, NM 88005

□□□ Mel Ostler has adapted a multi-key keypad for use with the ADAM. It includes the 10 number keys, some symbol keys, and 11 function keys. It attaches to the standard keyboard and may be unplugged if not needed. Send a working keyboard and \$49.95 to the address above to get this innovation installed.

□□□ OrphanWare has postponed a few of their projects due to hardware piracy. New models will be patented and copyrighted and include PAKS for copy protection. They are also working on a new parallel interface that will be compatible with existing software.

□□□ Walter's Software has just completed a new spelling checker the ADAM. SPELLING AID8 is only \$29.95 and comes with 7000 words; and it is expandable. Extra dictionaries will soon be available too. The package is very fast because it can be used in conjunction with any size of OrphanWare-compatible memory expansion card.

Walter's Software
Route 4, Box 289-A
Titusville, PA 16754

□□□ The Paper Peripheral, published by Tri-Angle ADAM Users, has ceased publication -- this is so that the editor, Paul Pappas, can devote full efforts to his column in Computer Shopper. All subscribers to PTP received prorated refunds!!!

□□□ BAT SOFTWARE is working on a 10 MEG hard drive for use with the ADAM. It will initially be set up for use under DOS (GoDOS too) with CP/M also under consideration. The projected price will be \$350.00. They are asking for us to survey our readership to get an idea of how many ADAM owners would be interested in making a purchase of the unit when it is released. Please write directly to M&B to let us know if you're interested.

□□□ Tony Patterson, from Mississippi, was the winner of OrphanWare's 320K disk drive give away on their B&S. They will have another contest soon. See their ad in this issue for logoon details.

□□□ The July special for DIGITAL EXPRESS is a PR&E PD volume of your choice with any product order with a subtotal greater than \$50.00. Be sure to mention the special and your CHOICE on the order form. This applies both to DDP and disk purchasers.

□□□ ADAM SOFTWARE has released two new utilities written entirely in machine code. Each is available on disk or data pack to M&B subscribers for just \$9.95. We will have reviews next month. DISK DOCTOR helps you rebuild a damaged DOS directory -- easy to use. FILE INDEXER lets you read, sort, and print DOS directories. You can also use it to produce a disk file containing many directories. It will sort these and store them in a file that SmartWriter can use.

□□□ We have some more H&V PD graphics volumes. "H&V122" is finished a long with PaintMAKES 06 and 07 (clip art for use with PowerPAINT). Also, D.L. Decker Enterprises has donated three volumes of SmartPAINT pictures entitled Power-VERSES. Each one contains Bible verses for you to print with PowerPAINT or SmartPAINT.

□□□ DIGITAL EXPRESS will draw one name from all those who make a purchase greater than thirty dollars between the 15th of July and the 15th of August. The winner will receive a FIFTY DOLLAR purchase credit with DIGITAL EXPRESS that can be used anytime this year.

□□□ The Freedom Church BBS is an ADAM CP/M system. The STSOP is Ed Walton. Give them a call.

1 (801) 566-6962
7pm - 5am

□□□ The Computer Quorum of America reports that their first Jeopardy question pack should be finished early this fall.

□□□ D.L. Decker Enterprises plans to start mailing their first bi-monthly disk in August. To get in on the introductory discount send \$29.95 for disk or \$34.95 for tape version before September 1 (rates will increase by five dollars). Each issue promises to be packed with programs and general information.

D.L. Decker Enterprises
Route 2, Box 15
Spring Mills, PA 16875-9720

□□□ We are working in conjunction with two other firms to have a print head scanner (digitizer) made specifically for the ADAM. We will be working on the software end. The projected price is \$99. We need to have a rough estimate of how many of you would be interested in the device. Please write to let us know as soon as possible.

□□□ MAGNET is a new newsletter for ADAM published by the Manitoba ADAM Group. They plan to have 11 issues per year; subscriptions are \$20. The first two issues are already out for this hardware oriented publication.

MAGNET
888 Templeton
Winnipeg, Manitoba
CANADA R2V 6S1

□□□ DIGITAL EXPRESS has released a new version of SmartBASIC compatible with OrphanWare's 80 column video unit. Now you can have the familiar BASIC (plus lots of extra features including a RAMdrive with any size memory expander). It's just \$14.95 retail and only \$11.95 to M&B subscribers ... SwiftBASIC 80 (2.1).

□□□ Don't forget about our special on PD software. Buy 10 volumes on disk for only \$39.95 (\$49.95 on tape) and get another one of your choice FREE. Offer ends September 1.

The following are parts of an article "IS YOUR COMPUTER SECURE?" which appeared in the August 1, 1988 issue of BUSINESS WEEK, which partially dealt with Software Viruses.

Bringing the problem into the open may be the only way to improve security, however. Take viruses. These wily programs most often find their way into corporate computer systems when an employee inadvertently introduces them. Computer enthusiasts from New York to New Delhi use electronic bulletin boards on communications networks such as The Source to "chat" by computer. One of their favorite pastimes is swapping programs—any one of which can include a virus that attaches itself to other programs in a computer.

No one knows how many viruses have been planted. But John D. McAfee, a virus expert at InterPath Corp., a security consulting firm in Santa Clara, Calif., says there have already been 250,000 outbreaks. He estimates that 40 of the nation's largest industrial companies have been infected.

PAKISTANI FLU. World-wide computer networks take viruses on some remarkable journeys. Recently, *The Providence Journal-Bulletin* was infected by the Pakistani Brain—two years after that program began circulating. Nobody knows how it got to Rhode Island. But before it was through, it had infected 100 of the paper's personal computer hard disks. Basit Farooq Alvi, a 19-year-old programmer from Punjab province, says he wrote the virus not to destroy data but as a warning

to would-be software pirates. The virus would interfere only with bootlegged copies of his package, a program for physicians. Other programmers, however, have given it a pernicious twist: Now versions of the brain often carry instructions to wipe out data files. And some of these versions have spread to Israel, Europe, and the U.S.

Even a well-meant virus can have unfortunate side effects. Richard R. Bran-

A COMPUTER VIRUS: WHAT IT IS AND HOW IT SPREADS

CREATION: A programmer writes a tiny bit of computer code, which can attach itself to other programs and alter them or destroy data kept on a computer disk. The virus also can reproduce by copying itself to other programs stored in the same computer.

DISTRIBUTION: Most often, the virus is attached to a piece of normal software, which becomes its "Trojan Horse." The virus spreads as the owner of the Trojan Horse exchanges software with other computer enthusiasts via electronic bulletin boards or by trading floppy disks.

INFECTION: The more its host program is swapped, the more the virus replicates itself, and soon it becomes pervasive. But no one is aware of the infection, because the virus has been designed to remain dormant—perhaps for months.

ATTACK: At a predetermined time, the virus activates itself. It takes itself from the original clock/calendar that most computers use to time a program's work. The virus seizes control of the computer and works its mischief. The hidden bomb then strikes the victim with a message that says "Gosh!"

dow, the 24-year-old publisher of a Montreal computer magazine, and co-worker Pierre M. Zovile created a benign virus to dramatize the pervasiveness of software piracy. Point proved: In two months, Brandow says, illegal copying had transferred the virus to 350,000 Macintoshes around the world. When the internal clocks on these machines hit last Mar. 2, the first birthday of the Mac II computer, each machine displayed Brandow's "universal message of peace to all Macintosh users."

'SAFE SEX.' It was a nice thought. But Marc Canter, president of a small Chicago software publisher, says that Zovile's virus wasn't innocuous. It caused Canter's computer to crash and infected disks that he supplied to software producer Aldus Corp. in Seattle. For three days, Aldus unwittingly transferred the virus onto copies of its Freehand illustration program on its assembly lines. Aldus pulled back the tainted disks, but not before some got to customers.

As with many computer security prob-

lems, the chief weapon against viruses is employee awareness, says Arco's Hoffman. After a virus invaded Macs at Arco's Dallas office, then spread to another Arco office in Anchorage, the company told employees not to use software of questionable origin. "It's the PC equivalent of safe sex," says Hoffman.

There also are more than a dozen "vaccine" programs, including Interferon, a package that Robert J. Woodhead, an Ithaca (N.Y.) author of computer games, offers free. Woodhead says each virus has a unique pattern, which his software can identify. It then erases the virus. Another method, in use at Lehigh University's computer labs since a virus struck there last winter, is to test suspicious software by setting the computer clock to Christmas, New Year's, or April Fools' Day—dates on which many viruses are set to detonate.

Viruses have caused such consternation that Congress is mulling tougher federal laws. A House bill introduced on July 14 would make it a federal crime to

insert a malicious virus into a computer. Basic computer-crime laws are already on the books in 48 states, and business and industry leaders are looking for government agencies to set guidelines for security standards. Under the Computer Security Act of 1987, the National Bureau of Standards is charged with doing that. But agency budget cuts are expected to slow the process, industry officials say. In Japan, meantime, the government gives a tax break to companies purchasing facilities and hardware to guard their systems.

SAFE SEX TIPS. (Not from above article but from your Editor).

1. Be monogamous.
2. Wash hands before & after using software.
3. Consider use of a spermicidal cream on your computer disks.
4. Use a prophylactic. (I am not sure but this should probably go over the disk or tape. Maybe over the whole computer but I do not think it would stretch that much. Perhaps you should just experiment).
5. Do not share software with an IV drug user.
6. Do not place software in parts of the body where it was not intended to go.

(Readers are invited to submit their comments, suggestions, responses, etc. which must be sent in a sterile sealed envelope).