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Continuing our study of John chapter 5...

After this there was a feast of the Jews, and Jesus went up to Jerusalem. ² Now there is in Jerusalem by the Sheep Gate a pool, in Hebrew called Bethzatha, which has five porticoes. ³ In these lay a multitude of invalids, blind, lame, paralyzed. ⁵ One man was there, who had been ill for thirty-eight years. ⁶ When Jesus saw him and knew that he had been lying there a long time, he said to him, *"Do you want to be healed?"* ⁷ The sick man answered him, "Sir, I have no man to put me into the pool when the water is troubled, and while I am going another steps down before me." ⁸ Jesus said to him, *"Rise, take up your pallet, and walk."* ⁹ And at once the man was healed, and he took up his pallet and walked. Now that day was the sabbath. ¹⁰ So the Jews said to the man who was cured, "It is the sabbath, it is not lawful for you to carry your pallet." ¹¹ But he answered them, "The man who healed me said to me, 'Take up your pallet, and walk.'" ¹² They asked him, "Who is the man who said to you, 'Take up your pallet, and walk?'" ¹³ Now the man who had been healed did not know who it was, for Jesus had withdrawn, as there was a crowd in the place. ¹⁴ Afterward, Jesus found him in the temple, and said to him, *"See you are well! Sin no more, that nothing worse befall you."* ¹⁵ The man went away and told the Jews that it was Jesus who had healed him. ¹⁶ And this was why the Jews persecuted Jesus, because he did this on the sabbath. ¹⁷ But Jesus answered them, *"My Father is working still, and I am working."* ¹⁸ This was why the Jews sought all the more to kill him, because he not only broke the sabbath but also called God his Father, making himself equal with God. ¹⁹ Jesus said to them, *"Truly, truly, I say to you, the Son can do nothing of his own accord, but only what he sees the Father doing; for whatever he does, that the Son does likewise."* ²⁰ *For the Father loves the Son, and shows him all that he himself is doing; and greater works than these will he show him, that you may marvel.* ²¹ *For as the Father raises the dead and gives them life, so also the Son gives life to whom he will.* ²² *The Father judges no one, but has given all judgment to the Son* ²³ *that all may honor the Son, even as they honor the Father. He who does not honor the Son does not honor the Father who sent him.* ²⁴ *Truly, truly, I say to you, he who hears my word and believes him who sent me has eternal life; he does not come into judgment, but has passed from death to life.*

The healing of the lame man at the pool of Bethzatha is a famous story for a number of reasons. Obviously this represents a continuation of Jesus' miracles which were intended to not only directly help the recipients of the healing but also to be a basis for teaching the Jews of that day and all of us through the Bibles recounting of the specific events. This healing was different in that a man who had been lame for 38 years (probably the majority of his life) was healed instantly in the sight of many people. Furthermore, he was well known since he

was present at the pool every day and everyone knew of his condition.

This healing would be recognized as legitimate and miraculous by all the people in this town and would be spread to other towns as well. Additionally, Jesus performed this healing on the Sabbath, a holy day on which no one was to work. The Jews took this opportunity to accuse Jesus of breaking the law, rather than rejoicing that a cripple had been miraculously healed of a life long disease.

What are the lessons Jesus was trying to teach people as a result of this healing ?

First, I would suggest that he was showing us that our priority should be caring for others, not always adhering to rules for the rules sake. The Jews reaction to the healing seems silly when we read it, but don't we tend to do the same thing at times - religious rules should not be blindly followed just because " We have always done it that way." The INTENT of God's rules are what he wants us to follow. The Jews carried God's rule of keeping the Sabbath holy to an extreme such that they were adhering to men's rules (not doing anything that could be interpreted as work) rather than to God's original intent.

Secondly, Jesus asked the lame man *"Do you want to be healed?"* I think Jesus asked this to make sure the man still had a desire to be healed. Some people get comfortable in their infirmities and like being treated as "sickly". Also, the man's answer indicated that he believed he could be healed - a very important fact in most healings.

Thirdly, Jesus told the man to get up and walk. Consider the fact that this man was crippled for 38 years and his leg(s) were obviously totally useless. What would you have done in this situation ? Probably said "You have got to be kidding!" No, this man responded, making the attempt to get up and surprisingly finding out that he could. Again, this man must have believed in a possible healing for him to even try to get up.

In verse 19, Jesus starts explaining his relationship to God the Father. Please read these verses several times to get a good understanding. God the Father sent his only Son Jesus to earth to represent the Father. Hence, Jesus had the full authority of the Father to act on his behalf. He also had an intimate and constant relationship with the Father which means he knew exactly what the Father wanted him to do at all times. In one sense Jesus and the Father are one, but in another sense Jesus had a specific function to perform on earth. **Jesus was and still is the means of obtaining eternal life and salvation.** God the Father showed mankind his plan for salvation through the teachings of Jesus. Jesus' death on the cross became the means by which each of us could obtain salvation.

All you have to do is confess your sins, ask forgiveness for those sins and accept the forgiveness provided through Jesus' sacrifice on the cross. God bless you all.

N. I. A. D. - A CHRISTIAN RUN BUSINESS

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N.I.A.D. PROCEDURES



⇒ N.I.A.D. is published monthly except for the months of December/January and July/August, which are combined issues by the Northern Illinois ADAM User's Group. Individual issues may be purchased for the current month or a backissue for \$3.00 (always check Product List for current pricing). The Sept./Oct. issue of N.I.A.D. is the 69th issue published by N.I.A.D., there are 68 preceding issues. When ordering backissues, please specify the number of the issue, month and year.

⇒ The standard membership rate for 10 issues is **\$22.00 USA Third Class** and **\$29.00 Canadian, USA First Class** and it's **possessions**. Contact us for membership rates outside of these areas.

⇒ N.I.A.D. welcomes contributions of original reviews, programs, articles, questions, suggestions and comments. Please include a SASE (Self-Addressed-Stamped-Envelope) if you want a written reply. Also, any contribution sent in on DDP or DISK will be eligible to receive a public domain program or volume in return at no charge!

⇒ Your N.I.A.D. member ID number is on the first line of your mailing label (affixed to the newsletter). The first four digits are the month and year of the final issue in your current membership. Please check this number each month to make sure that issues are not missed.

⇒ N.I.A.D. will not be held liable for any issues missed due to an address change which we are not informed of. Please get this information to us as soon as possible so as not to cause any type of difficulties. Also, include your member ID number.

⇒ N.I.A.D. accepts advertising for ADAM related products and services. Cost is \$50 for a half page ad and \$75 for a full page ad for one month. Contact us for multi-issue discounts. Well over a thousand ADAM owners receive our newsletter each month and many more get to see it second hand. You may send in your ad in either SmartWRITER, SpeedyWRITE, PowerPAINT, PrintWORKS, other ADAM formats, IBM ASCII or IBM PUBLISH IT! DTP format files or even supply us with a high quality print out for reproduction in the newsletter. N.I.A.D. reserves the right to not advertise certain products.

⇒ If **0990** or **1090** are the first four digits in your member number, it is time to renew your membership to insure that you do not miss an issue.

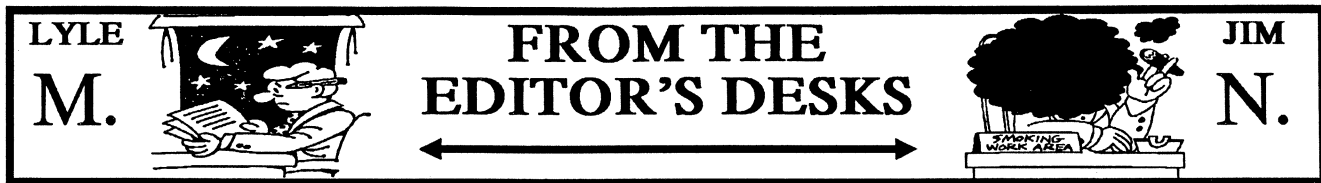
⇒ N.I.A.D. welcomes software developers to submit their programs for us to evaluate for possible commercial sale. Send in your products for us to test and to review in the newsletter. N.I.A.D. offers a 50/50 split of the sale price on all items that we handle distribution of for all developers. You will find that this is one of the best offers around in the ADAM community. We will also publish a review on the product as soon as possible.

⇒ Our Chicago Local Chapter Meetings are a great way to learn more about our beloved ADAM systems. You have the opportunity to meet fellow ADAM owners, ask us questions, see live demonstrations of hardware and software and also purchase products. We meet in our store, CompuKINGDOM, the second Thursday of each month at 7:30 PM. If you need directions getting here, just give us a call.

The meetings which will be held throughout the year will fall on the following dates (remember that there are no meetings scheduled for the months of June, July and August):

October 11, 1990
November 8, 1990
December 13, 1990

We have exercised due care in the preparation of this newsletter (that doesn't mean we're perfect!). No warranty, expressed or implied with regard to the information contained herein is given, either by interpretation, use or misuse. The opinions expressed herein do not reflect those of the editor or staff unless noted.



Welcome back NIAD members to our regular newsletter.

As all of you have hopefully realized we published a special full line catalog as our combined July/ August issue. We have been planning an ADAM catalog for quite awhile but never got around to it with the "few" other things we have going around NIAD!!

The product catalog is organized alphabetically by vendor and lists products with descriptions. Thanks to Jim for all his hard work in putting this catalog together - you will find it invaluable in helping you to review available ADAM products and make the best decisions on what products are right for you BEFORE YOU BUY THEM.

This issue is a combined SEPTEMBER/ OCTOBER issue with an expanded 28 pages. We have tons of great information in this issue that will help you all get even more utility out of your ADAMs. NIAD continues to bring you the most comprehensive coverage of ADAM news, tips, products and services.

ADAMCON02 was a resounding success, as reported by Faye Deere in her coverage of the Canadian event printed in this issue. It is great to see so many ADAMites come out for such an event and even more encouraging to see the new products that were demo'd and/or discussed at the convention. ADAMCON03 planning is already taking place as I understand it !!

As you read this issue, you can't help but feel encouraged that the ADAM is still going strong and will continue to do so with your support. It is the combination of you owners and the product development/ service people and organizations that have and will keep the ADAM alive.

NIAD IS THE LONGEST RUNNING ADAM NEWSLETTER

YOU CAN COUNT ON US

We do have one item of sorta bad news - expenses are going up !
You say " So what else is new !"

NIAD has worked very hard to keep our costs down, increasing our rates only once (and that was only by \$1) in the last five years but the 1/1/91 increase in US Mail costs is the last straw. This increase will average 20% and will result in us having to increase our membership rates accordingly. Additionally, our printing costs have been rising over the last 2 years due to the cost of paper. Overall these increases will result in the following new annual membership rates EFFECTIVE IMMEDIATELY:

3RD CLASS U.S. - \$22
1ST CLASS U.S. - \$29
CANADA - \$29
FOREIGN COUNTRIES - \$40

I want to thank all of you who support NIAD and make it possible for us to continue to produce the best ADAM newsletter around. Our commitment is as strong as ever and we are constantly looking for new and improved ways to make the newsletter and the NIAD Buying Service better - we welcome your comments and suggestions.

Where did the summer go? It seems like just yesterday that the summer started, the White Sox were in first place and also since we published the June newsletter. I guess all good things must come to an end as we await the coming of winter here in the north. The time of year when lots of new hardware and software are finally released onto the market. The flood of new products is already evidenced by the number of reviews that we have in this newsletter as well as a good number of products which we still have to review in future newsletters. AND THERE WILL BE MANY MORE NEWSLETTERS TO COME, SO DON'T LISTEN TO THOSE PEOPLE WHO SAY WE ARE STOPPING SUPPORT OF THE ADAM AND DON'T BECOME CONCERNED WHEN THE NEWSLETTER DOESN'T ARRIVE ON-TIME. WE ARE HERE TO STAY AS LONG AS THERE ARE PEOPLE WILLING TO SUPPORT US AND OUR EFFORTS!

This issue has turned out to be a combined newsletter, September / October, due mainly in part to two vacations I went on in late August, to Minnesota, and in the middle of September, to Florida. This also caused the July / August newsletter to be sent out considerably late, the 15th and 17th of September, but thankfully you guys are understanding. Sometimes you just have to take some time off and get away with your friends to enjoy life in order to put things back into perspective. Since coming back from Florida, I feel as if I have regained the drive that I had lost a couple months ago to provide the N.I.A.D. members with the best possible support and newsletter. It is not easy to run a user group and mail company at the same time as operating a retail computer store, but your compliments and help over the last 2 1/2 years have made it tremendously easier. NO ULCERS YET!!

I know you are saying to yourself, "A combined September/October newsletter! I'm getting gipped one newsletter!!". This is the only way the we can take at this time in order to get back on schedule with the newsletter, but we have also added FOUR more pages to this newsletter and we are debating over adding four more pages to each newsletter over the next three months or to publish separate December and January newsletters. Usually we combine the Dec. and Jan. issue into one, but this year may or may not be combined, still undecided which way to go.

Another item of importance is that the U.S. mailing costs will be increasing very soon and we will have to raise the membership rates in order to compensate for the higher price of mailing the newsletter. Check the Shipping/Handling price breakdown on the order form for new shipping charges in next months issue. UPS, as far as we know at this time, will not be increasing their price for shipping.

Lastly, I would like to THANK Doug Rosenvinge for all the help and articles he has and will provide to the N.I.A.D. Newsletter on CP/M and TDOS. For over a year and a half, N.I.A.D. did not have anyone to handle this area of ADAM use and many of you CP/M users suffered from lack of information in our newsletter. Doug has done a terrific job on his first two articles (the second is contained in this issue) and the third article which will appear in the November issue is more of the same, pure reading entertainment. So if you have the time, drop Doug a line and let him know you appreciate his hard work. N.I.A.D. is also looking for other contributors for such programs as ADAMCalc, SpeedyWRITE and SmartWRITER among others. If you wish to volunteer your services for the newsletter (can be anything, not only the programs mentioned), please contact us and we will set it up along with a bonus for you.

TIL NEXT MONTH, KEEP ON ADAMing!!



NIAD NEWS & UPDATES

⇒ ADAMCON 02, the second annual (?) ADAM owners convention, was held this past August in Toronto and was an unprecedented success, as was ADAMCON 01. Many new products were unveiled as well as a number of new programmers showing their work. ADAMCON 02 made such a lasting impression on a number of attendees that they have decided to form their own AUGs. For further details, read Faye Deere's article contained in this issue. We will also try to bring you further reports from other attendees in future issues.

⇒ ADAMCON 01 and 02 were such successes that ADAMCON 03 is already starting to be planned by Dean Roades of 463 ADAM, in Indiana. A definite site has not been decided on yet, but it looks very good for the Merrillville area in Indiana! Continuous updates on ADAMCON 03 will appear in future issues.

⇒ DIGITAL DATA DRIVES have now gone the way of a number of other Coleco products including Disk Drives, Modems, and other software and hardware. New units are almost impossible to find, but thankfully M.W. RUTH CO. and ADAM'S HOUSE are now offering a repair service on the digital data drives. Contact them directly for details. Also, the Disk Drive scarcity may soon become a problem of the past, details are sketchy now, but watch for further news. Also, if you are looking to add a modem to your system, the best way to go is with Micro Innovation's M.I.B. 2 Interface, which allows for the use of an external 300, 1200 or 2400 baud Hayes compatible modem. As well as providing a second serial port which allows for the use of a Zenith 19 or Heath H19 Terminal to provide the cheapest way to achieve an 80 column display in the CP/M or TDOS environment.

⇒ THOMAS ELECTRONICS has recently updated their Adamouse products and now both internal and external versions are 100% compatible with all existing software and hardware. AND NO BATTERIES ARE REQUIRED! Best of all, the internal version no longer requires extensive modification to the Memory Console joystick port. See the article contained in this issue for further details on other products on the drawing board. We have not received our Adamouse yet, so a review has been delayed.

⇒ OASIVE PENSIVE ABACUTORS still is in the developmental stages of the ADAM Image Maker. The hardware end seems to be completed, but software is holding up the release. Word has it that extensive work will need to be done on the Memory Console in order to set it up and price range will be about \$250 to \$300. O.P.A. has also ventured into other hardware projects including a Mini-64K Memory Expander (half the size of a normal 64K board) and are looking into the possibility of developing a 256K Board.

⇒ MICRO INNOVATIONS continues to upgrade and improve their line of Powermate products. The Powermate 2 and 4 have now been combined into one unit, Powermate, which will house up to four drives (2 hard, 2 floppy) and a power supply that will also power the ADAM Computer. Best of all, the new Powermate is priced the same as PM 2 and your getting a product comparable to the PM 4, but much better. See the bulletin by Mark Gordon contained in this issue.

⇒ PHOENIX 2000 continues to develop outstanding new utility / graphics programs for the ADAM. This time they have released a label creation program with graphics support called Swift's Label PrintShop (\$19.95). No further news has been received on GoDOS V2.0, but we did receive a demo of ADAM COMPUTING TODAY, Solomon Swift's new newsletter. However, the newsletter is said to have only made it out

in very limited quantities. We will have a review of Swift's Label PrintShop in the next issue.

⇒ WALTERS SOFTWARE CO. has released the SmartMATE Cart for use with the Powermate Hard Drive system and it is available through ADAM'S HOUSE or directly through Walters Software Co. for \$39.95. If you own or plan to buy a Powermate H.D. system, this Utility / O.S. cart will be a must buy. We will have a review of the SmartMATE Cart in the next issue.

⇒ VULCAN'S COMPUTER BUYING GUIDE has undergone a name change and is now called "VULCAN'S COMPUTER MONTHLY". This is the national magazine that still supports the classic computers including ADAM. Articles are written by Faye Deere. The July issue marked their first full year of publication and has proven to be much tidier and better layed-out than previous issues. Check your local newsstands or magazine racks for this magazine.

⇒ TRISYD VIDEO LABS has, at long last, released the Dynamite Sound Digitizer. We will have a complete review in the next newsletter. All backorders have been filled, but unfortunately the price has increased as well as the price on MegaCopy, which now supports 320K DDP formatting, and also the SmartCLOCK Chip. Check the Product List for the most current pricing.

⇒ HEXACE SOFTWARE is a new software producer operated by Bruce Walters and his family. Bruce Walters used to be part of Walters Software Co., which has brought and is still bringing us some of the best programs, but now have parted ways. Many great software packages are planned for release by Hexace Software in the coming months, so watch in future issues for details. In the meantime, you can write directly to them at: Hexace Software - RD#2, Box 51 - Franklin, PA 16323.

⇒ AJM SOFTWARE, co-operated by Tony Morehen and Guy Cousineau, has released TDOS V4.58, the latest and greatest CP/M operating system replacement, for general distribution. As soon as we receive this new version in, we will have a notice in the newsletter and a review in the CP/M / TDOS WORKSHOP.

⇒ ADAM'S HOUSE has recently upgraded their INVOICER program to version II and now have version III available. Invoicer, written by Terry Fowler, has quickly evolved into a tremendous small business program. Version III improvements include: mailing lists for customers, sorts inventory better and faster, and provides some new screen features. Those purchasing Invoicer II received or will receive an update registration form to upgrade to version III. Invoicer II and III retail for \$19.95.

⇒ ADAM'S HOUSE continues to carry a stock of like new Coleco Disk Drives. Costs for the three different drives still available are: 5 1/4" 160K Single-Sided - \$229.95, 5 1/4" 320K Double-Sided - \$299.95, and 3 1/2" 720K Quad-Density - \$324.95. Shipping and Handling in the U.S. is \$7, in Canada is \$25.

⇒ STEVE PITMAN SOFTWARE is nearing completion on their sixth commercial entertainment package named RoboTHIEF. RoboTHIEF is written totally in 100% fast machine language and the game contains between 25 or 30 levels in which you must maneuver a robot through mazes and past obstacles as you collect money on your way. Further details and a review will be provided in an upcoming issue.

⇒ E & T SOFTWARE has had to stop production on the 320K Extended Data Packs developed by Trisyd Video Labs due to an on-going production snag in producing these data packs. The problem occurred due to the severe high-frequency which these data packs needed to be formatted at, this caused a lot of data packs to be written with bad blocks. However, Trisyd Video Labs newest version of the MegaCopy software does allow for the formatting of 320K Extended Data Packs, so those who own or plan to buy MegaCopy can supply themselves with these data packs. To format a 320K data pack will require the use of a C-65 audio cassette, standard 256K data packs use the C-60 audio cassettes.

⇒ RON COLLINS now has 10 volumes of music available for use with the MIDI-MITE INTERFACE by Bonafide Systems. Also available are 5 volumes of VideoTunes songs for use with the MIDI. Some of this music, you have to hear to believe and more volumes are being constantly added. To receive further information on ordering these volumes contact: Ron Collins - 529 Grandview Ave. - Barberton, OH 44203 - (216) 753-6971.

⇒ N.I.A.D., due to the tremendous response to the Summer Heat Wave Sales I & II, has completely sold out of a number of ADAM software and book packages that we will no longer carry. These include: Beamrider, Brain Strainers, Time Pilot, Dr. Seuss' Fix-Up, Learning with Leeper, Number Bumper, The Solar System, Disassembly: EOS and SmartBASIC V1.0 books, States'N Capitals, Telly Turtle and SpriteMaster among others. Most of these titles are still available through a number of Coleco/ADAM vendors if you are still looking to pick any of these up including: M.W. Ruth Co., ADAM's House, E & T Software and TeleGAMES USA.

⇒ N.I.A.D. has also added countless programs to the line of ADAM products that we carry. Check the July/August (Fall/Winter Catalog) for descriptions of all the new products. We also will have reviews of these new products in the next couple issues to supply detailed reports.

⇒ N.I.A.D. PUBLIC DOMAIN LIBRARY has also undergone a dramatic change in that a number of LIKE volumes have been combined into one volume to provide you with more for your dollar and also to make room for new P.D. volumes. For a list of changes and new P.D. volumes, read the PUBLIC DOMAIN WORKSHOP in this issue.

⇒ N.I.A.D. is looking for a few good ADAM owners to lend a helping hand. We are looking for ADAM owners to contribute monthly articles on SpeedyWRITE, SmartWRITER, SmartFILER, ADAMCalc, General Information, etc. If you think you would like to take up the challenge, please give us a call or drop us a letter so that we may go over what we are looking for and also what we will provide as an incentive.

⇒ SEGA MASTER SYSTEM and SEGA GENESIS products will no longer be listed in the Product List due to space limitations. However, we will have updates as to the new products and changes made in what we have available or you can call for the latest product availability. New GENESIS titles which are now in stock include: SUPER MONACO GP - \$45.95, AFTERBURNER II - \$45.95, MICHAEL JACKSON'S MOONWALKER - \$45.95, COLUMNS - \$31.95, ZANY GOLF - \$46.95 and PAT RILEY BASKETBALL - \$45.95. Over ten new titles will become available throughout October!

⇒ In this issue we have reviews of some outstanding new products for our beloved ADAM Computer system including: Accessing VRAM and Mastering Music by HARRISON PRODUCTIVITY - M & M Graphics, M & M Jeopardy Question Pack and Smiley Face: What an Attitude! by M & M SOFTWARE, Learning to Write with ADAM by ROADRUNNER PUBLICATIONS, Zoran III by ADAMzap SOFTWARE, SmartCLOCK Chip by TRISYD VIDEO LABS, Midi-Mite Interface by BONAFIDE SYSTEMS, Clip-Art Viewer by WALTERS SOFTWARE CO. and Visi-Sprite V6.5 by FEDERATION SOFTWARE. All outstanding packages!



NEW SOFTWARE & HARDWARE

- INVOICER II by ADAM'S HOUSE \$19.95
- ZORAN III by ADAMzap SOFTWARE..... \$13.95
- MIDI-MITE INTERFACE by BONAFIDE SYSTEMS \$74.95
- DEMONS & DRAGONS by FAST ED'S SOFTWARE..... \$19.95
- DEMONS & DRAGONS II by FAST ED'S SOFTWARE..... \$19.95
- VISI-SPRITE V6.5 by FEDERATION SOFTWARE \$22.95
- EL ESPANOL by HAL WEBER SOFTWARE..... \$15.95
- MATH MENTOR by HAL WEBER SOFTWARE..... \$15.95
- STATES RACE by HAL WEBER SOFTWARE \$9.95
- ACCESSING VRAM by HARRISON PRODUCTIVITY \$12.95
- MASTERING MUSIC by HARRISON PRODUCTIVITY..... \$9.95
- THE STOCK MARKET GAME by IMAGE MICROCORP..... \$15.95
- M & M GRAPHICS by M & M SOFTWARE..... \$9.95
- M & M JEOPARDY QUESTION PACK by M & M SOFTWARE . \$14.95
- SMILEY FACE: WHAT AN ATTITUDE! by M & M SOFTWARE ... \$9.95
- CHESS TUTOR #1 by MR. T SOFTWARE..... \$9.95
- CHESS TUTOR #2 by MR. T SOFTWARE..... \$9.95
- THE ADAM TUTOR by MR. T SOFTWARE..... \$9.95
- NIAD GOLD: UTILITIES by MR. T SOFTWARE..... \$9.95
- SWIFT'S LABEL PRINTSHOP by PHOENIX 2000 \$19.95
- LEARNING TO WRITE WITH ADAM by ROADRUNNER PUB... \$25.00
- DYNAMITE SOUND DIGITIZER by TRISYD VIDEO LABS..... \$79.95
- CLIP-ART VIEWER by WALTERS SOFTWARE CO. \$24.95

N.I.A.D. SPECIALS

(VALID THROUGH 11/15/90)

Limited quantities on a number of titles

- SEASTALKER by INFOCOM..... \$9.95
- WITNESS by INFOCOM..... \$9.95
- STARCROSS by INFOCOM..... \$9.95
- BASIC BONANZA by MARTIN CONSULTING \$6.95
- G.A.M.E. SET #2 by DIGITAL EXPRESS..... \$6.95
- GORF by CBS SOFTWARE \$9.95
- SmartTYPE V2.0 by REEDY SOFTWARE..... \$6.95
- TAX 1989 by ADAM'S HOUE \$6.95
- GREAT INVENTIONS GAME by PARALLEL SYSTEMS..... \$5.00
- WORLD CAPITALS by PARALLEL SYSTEMS..... \$5.00
- AMERICA AT WAR by A-WARE SOFTWARE \$5.00
- BACKUP 3.0 (D) by MMSG..... \$6.95
- HEIST by MICROFUN..... \$9.95
- DANCE FANTASY by FISHER PRICE \$6.95
- NOVABLAST by IMAGIC \$9.95
- CABBAGE PATCH KIDS: PICTURE SHOW by COLECO..... \$9.95
- REEDY SOFTWARE LIBRARY by REEDY SOFTWARE..... \$9.95
- REEDY ENTERTAINMENT PACK by REEDY SOFTWARE \$9.95
- SPEEDYWRITE II by WHITE CO..... \$29.95
- SPEEDYWRITE SPELL by WHITE CO..... \$19.95
- SmartTERM V1.02 by KEHEO SOFTWARE \$9.95
- RICHARD SCARRY'S BEST ELEC. WORDBOOK by COLECO... \$9.95
- FLASH FACTS: HISTORY by COLECO..... \$5.00
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ADAMCON 02 REPORT

Held August 15 - 18, 1990
by Faye B. Deere



ADAMCON 02 was every bit as exciting and informative as ADAMCON 01! To those among us who said this would be ADAM's swan song, I want you to know that you were dead wrong! Plans for ADAMCON 03, to be held in the Chicago / Indiana area, are already in progress. The ADAM is very much alive and well!

ADAMCON 02 was attended by a host of knowledgeable people, who are filling the needs of ADAM users as quickly as Coleco hardware and software becomes non-existent. Much of it is better than what Coleco gave us, and a lot of it Coleco never dreamed of. Some of these young people are not even out of high school and college. I envy their knowledge and the ease with which they use it. We ADAMites are lucky to have such devoted and talented people working on products for use on the ADAM for us.

ADAMCON 02 began with a vendors meeting at 6:00 PM on Wed., August 15, 1990. Actually, it had begun as soon as you walked in the door of the hotel. ADAMites seem to eat, drink, and sleep ADAM, and they go a little crazy when in the presence of another ADAM user. Put a LOT of ADAM users together, and they talk shop until someone succumbs of exhaustion!

After the vendors meeting we had a general meeting; and Rob Friedman, a SysOp from COMPUSERVE was a surprise visitor. He joined the reception and was bombarded with questions. Some time during the evening, someone produced the cutest little 64K board I ever saw. It was about 2/3 the size of an ordinary 64K board, and is being sold by MTAG of Toronto for \$39 Canadian, plus shipping.

The first full day of ADAMCON 02 began with breakfast at the horrendous hour of 7 AM! It has to be good to get me up at THAT hour, but talk began with the first sip of coffee. Groups of us attended different seminars, until all had been to each one offered. My first seminar was on BASIC programming, by Dale Wick. He boggles the mind with his knowledge, and seems to be in perpetual motion. I hope I retained just a fraction of all he told us!

My next seminar was a demonstration by Syd Carter of the improvements he has made to his DYNAMITE SOUND DIGITIZER with SMART CLOCK. It is amazing how the Digitizer can capture ANY sound and convert it to information that can be played back to you from your ADAM. This is particularly useful with different types of programming.



After a refreshment break, my next seminar was given by Pat Herrington on Pics/Painting/Sprites. Pat is very good at ADAM graphics, and everyone kept her busy with questions on how to make the various graphics programs do what you want them to. There are an amazing number of graphics programs available for ADAM, such as PowerPAINT, PowerTOOLS, SpritePOWER, PAINT PALETTE, and CLIPPER. One day I hope to learn how to use them all.

The last seminar before lunch was on A.N.N., the ADAM News Network. It was conducted by Dean Roades, editor of the 463 ADAM User Group newsletter. Dean has joined the staff of A.N.N., and has helped Barry Wilson of SLAUG build it into a major source of information for the ADAM community. It is the best way to get important information around to ADAM owners in a hurry, via the BBS's and newsletters that it services.

We continued to trade information during lunch, and stopped talking only long enough to attend the afternoon seminars. Phil Kosowsky of Kosowsky's ADAM Repair, in New York, was there to tell us about his repair service. He will even convert a working CPU to REV 80 for \$55 (We were contacted shortly after our return from the convention by a woman in need of these services. She had a REV 57 and couldn't use PowerPAINT until she updated to R80.). Other sources of repairs are Terry Fowler of ADAM'S House, in Texas, and Howard Pines of Oscar's Computers, in Florida.

The next seminar was by Eric Danz of ADAMZAP Software. Eric has written a number of programs and games for the ADAM, the latest of which is ZORAN III. Eric presented this new game at the convention. It's primarily a "mind" game, and Eric wants you to let him know how long it takes you to solve it. He says, "it ain't easy!"

A seminar by Syd Carter on Hardware Design/Marketing; by Ron Mitchell (President of the ADAM User Friendly Group, Orleans, Ottawa, Ontario) on Software Marketing; and a wrap-up session officially ended the day. I say "officially", because the majority of us kept at it until we were forced by fatigue to seek our beds.

Thank goodness, day two was an easy day. After another early breakfast, we had a general session, followed by seminars on Video Game Writing, Beating Video Games, and Travel Tips & News. The ADAM Store was then set up for ADAM hardware and software sales, and we were free to pursue our own diversions. Many of us took time for a much needed snooze, but we were up and at it again by dinner time.

It seemed that everyone gathered at breakfast on the last day of the convention with the idea that they were going to make every remaining minute count for two. The seminars deserted any hope of structure and just tried to answer all the questions being thrown at them. Alan Neeley of ADAM-Link of Utah in Salt Lake City had set up a BBS and was giving out information as fast as he could.

In other rooms, Ron Collins and John Villilo, of AWAUG in Ohio, were demonstrating Chris Braymen's MIDI board. Have you ever dreamed of hearing the William Tell Overture on your ADAM? It was wonderful! Ron Mitchell was answering questions on CP/M in general and Tony Morehen's TDOS in particular. Many people there were using Mark Gordon's PowerMATE hard drive. Jim Walters was demonstrating his SmartMATE Cartridge, which is used by people with a PowerMATE Hard Drive, and by others trying to save wear and tear on their disk drives.

After lunch, things got even more frenetic. Dave Hill of MTAG showed us how to use the shareware 22Disk to transfer CP/M programs from other systems to the ADAM CP/M format. Pat Herrington, Dean Roades, and Dale Wick, were answering as many questions as they could; and Dale's brother, Neil, was explaining how they digitize pictures into files that create those pictures on your ADAM screen. At the same time, the ADAM Store was again in operation. Things closed down leaving us with just enough time to sponge off a little before the banquet began!

As before, the banquet was a delightful ending to a wonderful convention. One last round of ADDICTUS was held with the highest scorers vying for top position. The food was good, and there were door prizes for every one. Pictures were taken, good-byes said; and we sadly went to our rooms to pack for the next day's departure. I can't wait until ADAMCON 03!

MORE ON ADAMCON 02

This is a complete list of everything we saw at ADAMCON 02, along with the information and prices you might need. For more information, and catalogs, send a legal size SASE to the people that can provide what you need.

□ **64K Mini-Memory Expander Board:** This board is 2/3 the size of the ordinary 64K boards, but works the same way, and just as well, taking up less space. They are being sold by Richard Clee, President, the Metro Toronto ADAM Group (MTAG) - 21 Rondale Blvd. - Toronto, Ontario, Canada M6A 1H6. The price is \$39 Canadian, plus shipping.

□ **Dynomite Sound Digitizer and SmartClock:** This is Syd Carter's terrific Sound Digitizer. Syd runs TRISYD VIDEO GAMES - 26 Florence Crescent - Toronto, Ontario, Canada M6N 4E4 - (416) 769-6446. The price on the Sound Digitizer and SmartCLOCK is \$99.75 US plus \$9 shipping. The Digitizer alone is \$68.75 US plus \$6 shipping, and the SmartCLOCK alone is \$40 US plus \$4 shipping.

□ **Printer Gender Changer:** This hardware device was also shown by Syd Carter. It's use will lengthen your ADAM printer's life expectancy. This device installs between the power cord and CPU, and eliminates the printer reset each time you re-BOOT your ADAM. The noise of the printer reset is what annoyed me. It sells for \$9 US plus \$1.50 shipping, and all you have to do is plug it in!

□ **ADAM Repairs:** Phil Kosowsky of Kosowsky's ADAM Repair - 6067 Jerusalem Drive - Clay, NY 13041 - (315) 699-6456, Terry Fowler of ADAM'S HOUSE - Route 2, Box 2756 - Pearland, TX 77581 - (713) 482-5040, and our hometown favorite, Howard Pines of Oscar's Computers - Mariner Plaza - 224-F Eglin Parkway - Fort Walton Beach, FL 32548 - (904) 862-1007.

□ **ZORAN III:** A game of thought by ADAMZAP Software - 17 Capstan Road - West Milford, NJ 07480. This game simulates a BBS with you as the caller using special, TOP SECRET telecommunications software to call the Pentagon. You must find the password, gain access, find ZORAN and delete him. The retail price on ZORAN III is \$12.50 Disk, \$14.50 DDP, plus shipping. Get in touch with Eric for a catalog of his other programs.

□ **MIDI-MITE:** The MIDI card allows you to hook up a MIDI compatible keyboard or synthesizer to your ADAM. Chris and Elizabeth Braymen sell Chris's MIDI board through Bonafide Systems - 48882 Royal Oaks Drive - Oakhurst, CA 93644 - (209) 658-8530. The price is only \$75+S/H

□ **T-DOS:** To get your copy of Tony Morehen's T-DOS, send a DDP, or two single-sided disks, or one double-sided disk, or one 720K disk to Ron Collins - 529 Grandview Avenue - Barberton, OH 44203 - (216) 753-6971. Make sure your media is formatted before you send it. Include a stamped, addressed mailer or the amount needed for shipping, and tell Ron what the configuration of your ADAM System is. By that, I mean how many drives and what kind each is (data drive, single-sided 160K disk, double-sided 320K disk, or quad-density 720K disk).

□ **SmartMATE Cartridge:** This cartridge BOOTs the PowerMATE Hard Drive by Mark Gordon of Micro Innovations - 12503 King's Lake Drive - Reston, VA 22091, and BOOTs programs from the game cartridge slot to save wear and tear on your disk drives. To find out about the SmartMATE Cartridge, get in touch with Jim Walters of Walters Software Co. - R.D. #4, Box 289-A - Titusville, PA 16354 - (814) 827-3776. Jim has many other useful products in his impressive lineup.

□ **22Disk:** Send \$25 to Sydex - P.O. Box 5700 - Eugene, OR 97405 - (503) 683-6033. This program is an MS-DOS program that can transfer CP/M programs for other systems into five different ADAM formats.

LAST, BUT NOT LEAST

□ **WHAT IS A.I.M.?** During the afternoon of the last day of ADAMCON 02, Gary Bowser of OASIS PENSIVE ABACUTORS - 432 Jarvis Street #502 - Toronto, Ontario, Canada M4Y 2H3 - (416) 960-0925, dropped in at the ADAM Store. He wanted to see what was going on, and to tell us that work was progressing nicely on his A.I.M. project. It should be on the market in time for Christmas.



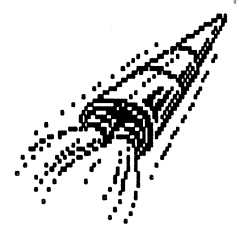
What is A.I.M.? A.I.M. stands for ADAM-IMAGE-MAKER. If that doesn't tell you anything, maybe this will help. A.I.M. is a piece of hardware for the ADAM designed to give you an 80 column text display, instead of cramming the 80 columns into two lines on a 40 column screen. A.I.M. has software patches that will allow 80 column text in both EOS and CP/M. This is better than anything the ADAM user has been able to

get up to now. We have been able to get 80 columns in CP/M before, but never in both CP/M and EOS.

The ADAM-IMAGE-MAKER comes equipped with a User Installation Guide, CP/M and SmartWRITER patches, a Z-80 Assembly Language Programming Guide for the new V9938 chip, a SmartBASIC Programming Guide with complete software / hardware Tutorial, Graphic Demos displaying the power of A.I.M. and a hardware guide explaining the future possibilities. Projected price of A.I.M. is \$300 Canadian, plus shipping.

□ **A HYPERCARD FOR THE ADAM!** On the day the ADAM Store was open to the public at ADAMCON 02, a young man showed up to see what he could see. He had recently been given an ADAM without any software or manuals, and wanted to know what was available for it. He was quite surprised at the quantity and quality of what he found.

I was not there to witness what happened next, but Eric Danz, with excited interjections from Dale Wick, attempted to enlighten me. It seems that this young man liked what he saw on the Macintosh, so he took a Macintosh PD Hypercard program and adapted it to run on the ADAM. No one had told him it couldn't be done, so he simply went ahead and did it!



Eric and Dale were quite excited about what they had seen, and were talking about writing software to take advantage of this ADAM Hypercard. They both said it could revolutionize the way software is written for the ADAM. It sounds terrific, but I couldn't seem to find out just what a hypercard is. I was told that a hypercard is software that loads graphics, but that didn't tell me a lot. I couldn't seem to grasp exactly how it worked. Nevertheless, I imagine you may soon be seeing a hypercard and accompanying software from these three young men in the near future.

□ **A SCANNER FOR THE ADAM!** I know a talented ADAM programmer who says he might consider producing a scanner for the ADAM if he would get enough response to make it worthwhile, financially. I would dearly love to have a scanner to use with the ADAM. I'm sure a lot of you out there feel the same way. Therefore, I would like you to take pen (or ADAM) in hand, and write to me if you are interested in the project. The address is: ECAUG - P.O. Box 4934 - Fort Walton Beach, FL 32549-4934.

EDITOR'S NOTE: We, here at N.I.A.D., would like to extend a warm thank you to Faye Deere for supplying this article on ADAMCON 02 so that we may inform you of the happenings of this convention.

ADAMOUSE PRODUCTS UPDATE BULLETIN by Thomas Mackie

I just thought I would enclose a brief note to let you know that the ADAMOUSE is now 100% compatible with all software and hardware that we, THOMAS ELECTRONICS, have tested. As a result, the new prices are: \$69.95 - Internal version, \$79.95 - External version, AND NO BATTERIES ARE REQUIRED! These are Canadian currency prices.

Secondly, the mouse now works through the controller port, and does not need it's own port. Installation, of the internal version, is only to solder in two wires, very simple. The external version simply plugs into joystick port #1 or #2. The ADAMOUSE DOES NOT require batteries, nor does it use a power adapter. The ADAMOUSE runs directly from the ADAM itself.

The upgrade took some time away from work on the GRAPHIC UTILITY, but work progresses and should be complete within the very near future. A mouse (copy) utility is also near completion, this is icon/sprite point-and-click controlled. I have also started work on a word processor that will load and print GU picture files within documents.

I have also been working on an ADAM Portable/Laptop. This has a new case with a 5" Samsung monitor built-in. As yet undecided if it is worth while for marketing. Also under way is a new ADAM case that will contain the entire system including drives, etc. The aim is for the serial and parallel ports to be built-in. I have sent a letter to Micro Innovations about using their Hard/Floppy drive setup, but it's been a couple of months and I have not received any reply. I just finished a little project that folks might be interested in... converting an IBM type keyboard to use on the ADAM. Works great, and gets you a keypad in the process.

If you are interested in any of these above mentioned products, please contact Thomas Electronics immediately in order to let them know that there is interest in these IN DEVELOPMENT products. Thomas Electronics can be reached at the following address:

THOMAS ELECTRONICS
151 Devonshire Crescent
Saskatoon, Sask., Canada S7L - 5V6
Phone #: (306) 384-7682

(WHAT IS ADAM-FORTH cont. from Page 8, column 2).

And here's what it looks like when you run it for "0" thru "9":

cr cr head 48 57 list

Printing Character	Number	Binary
0	48	00110000
1	49	00110001
2	50	00110010
3	51	00110011
4	52	00110100
5	53	00110102
6	54	00110110
7	55	00110111
8	56	00111000
9	57	00111001

ok.

POWERMATE H.D. LINE UPDATE BULLETIN #1 by Mark Gordon

This bulletin describes the new line of Powermate Hard Disk subsystems, available from Micro Innovations and it's dealers.

The current Powermate products are standalone subsystems that add one or two 10, 20, or 40 MB hard disk drives, one or two 360K or 720K floppy disk drives, two RS-232 serial ports, a parallel printer port, and a memory expander board bank switching port to the Coleco ADAM Computer. All Powermate models consist of an external cabinet, which houses the disk drives, and an interface board, which mounts in expansion slot #2 inside the ADAM. The Powermate 2 can house up to 2 disk drives; Powermate 4 can mount up to 4. The external cabinet sits next to the ADAM and is connected to the interface board, mounted inside the ADAM, by a 6 foot length of ribbon cable.

On September 1, 1990, Micro Innovations will merge the Powermate 2 and the Powermate 4 models into a single product called "Powermate". Powermate will include a new external enclosure that can hold up to four disk drives, and sits underneath the ADAM Computer. The new enclosure is essentially an "AT-junior" type enclosure that contains a 150 Watt power supply with a cooling fan. The new power supply has sufficient capacity to provide power for the ADAM Computer itself, as well as for the four disk drives. The add-on option for Powermate to provide power to the ADAM will be available within 90 days.

Powermate will be offered for the same price as the Powermate 2, yielding a \$100.00 savings from the Powermate 4 price. The prices are:

POWERMATE BASE SYSTEMS

- ⇒ Powermate 10 MB HARD DRIVE SYSTEM.....\$399.00
- ⇒ Powermate 20 MB HARD DRIVE SYSTEM.....\$499.00
- ⇒ Powermate 40 MB HARD DRIVE SYSTEM.....\$599.00

POWERMATE OPTIONS

- ⇒ Floppy Disk Drive (specify 5 1/4" 360K or 3 1/2" 720K).....\$100.00
- ⇒ Second Hard Disk Drive: 10 MB\$150.00
- ⇒ Second Hard Disk Drive: 20 MB\$225.00
- ⇒ Second Hard Disk Drive: 40 MB\$300.00
- ⇒ Peripheral Cables (specify Serial or Parallel)\$14.95

Note: Peripheral Cables are not included with Powermate. They must be ordered separately. The disk cable is included.

Also, on September 1, 1990, Micro Innovations will introduce a new series of products, all compatible with the IBM PC/XT and IBM PC/AT computers. The initial versions of the Powermate XT and Powermate AT will function as standalone IBM PC-compatible computers. An upgrade product, consisting of a Powermate interface board along with ADAM and IBM-PC software, will be available in the fourth quarter of 1990. This upgrade will allow an ADAM Computer to access Powermate XT and Powermate AT hard and floppy disks for data storage and retrieval. For further details on these IBM compatible systems, contact Micro Innovations at the address or phone number listed below.

MICRO INNOVATIONS
12503 King's Lake Drive
Reston, Virginia 22901
Phone #: (703) 620-1372

ADAM NEWS NETWORK

by Barry Wilson / Dean Roades

ADAM NEWS NETWORK (A.N.N.) is a monthly service which makes available to ADAM newsletter editors, BBS sysops, AUG officers, etc. a pool or source of ADAM information on disk or data pack.

This includes articles, reviews, product information, programs, news, etc. from many ADAM sources. Most newsletters, BBS(s) and AUG(s) are cooperating in this venture by supplying or making available ADAM information for distribution by A.N.N.

A minimum of 250K of material is distributed monthly on disk. Normally two disk sides are sent with each monthly mailing.

This service, previously only available to newsletters, BBSs, AUGs, etc., is now being made available to ADAMites in general on a subscription basis.

A trial month is available for \$4.00 US, 3 months for \$11.00 US, 6 months for \$20.00 US, and 12 months for \$35.00 US. Add \$2.00 US for DDP.

Contact A.N.N. - c/o Barry Wilson - 12967 Weatherfield Dr. - St. Louis, MO 63146. Checks, in US funds only, payable to Barry Wilson.

The various articles, reviews, information, etc. on the A.N.N. disks are also being collected and organized into special interest disks, which will include the following:

- | | |
|-----------------------------|--------------------------|
| * Game Reviews | SmartLOGO |
| Graphics (SmartBASIC) | * Telecommunicat. |
| Barry Patch (Humor) | Machine Language |
| Software Reviews | CP/M 2.2 |
| * Hardware | * SmartBASIC |
| * Infocom Adventures | GoDOS |

* SIGNIFIES AVAILABLE NOW

Not all are available yet. Contact A.N.N. Librarian Dean Roades - 8522 Hohman Ave. - Munster, IN. 46321, for further information or to order any of these specialized A.N.N. disks. Send a SASE (Self-Addressed-Stamped-Envelope) for a catalog listing of available volumes. Cost per volume is \$5.00 US on disk; \$7.00 US on DDP (Tape). Make checks, in US funds only, payable to Dean Roades.

ALL A.N.N. VOLUMES ARE COPYRIGHTED AND ARE NOT TO BE FREELY DUPLICATED, except where specifically authorized by Barry Wilson.

Specific authorization has been given to the participating newsletters, BBSs and AUGs to freely reprint and to distribute in accordance with the current A.N.N. distribution list and file.

A.N.N. volumes are available at public domain prices, but are copyrighted.

Sales of subscriptions to individual ADAM owners will help considerably with the ongoing costs of media, postage mailers, long distance, etc., necessary to obtain, and distribute the information for the A.N.N. volumes.

Can we interest anyone else in subscribing to this very worthwhile endeavor?

WHAT IS ADAM-FORTH

by Keith Marner

This is the first of a series of articles on the FORTH Language based on articles written by Thomas C. Gilmore, originally published in the now defunct Expandable Computer News. As more information is gathered, we will include them in the series to make it all easier to understand.

Descriptions of what FORTH is and how it came to be available for ADAM users will be left until later articles in the series. The first article will focus on WHAT is available and how to put it immediately to work on your ADAM Computer.

The "Start-Up" version of ADAM-FORTH V1.1 is a set of files directly from FORTH-83, the 1983 International Standard (the previous version was FORTH-79). This is a highly transportable language, usable on just about all top-of-the-line microcomputers. In regards to transportability, it may be second only to the "C" programming language. As you may have noticed, the BASIC Language often needs considerable alteration between computers, and it also does not provide the speed of a compiler.

What you need at this time for the "Start-Up" version of ADAM-FORTH V1.1 is the standard ADAM system, CP/M 2.2 is not required. A disk drive or two is recommended, but they are NOT essential - just very convenient. This article and the ones to follow are based on my use of ONE disk drive with the "Start-Up" version. Do realize, though, that you can use any configuration that suits you.

What is NOT in this version is probably more important. None of the public domain versions (including MS-DOS) provide any real instructions or tutorials in FORTH. And for good reason: already published and available are excellent texts and tutorials, which are strongly recommended by the FORTH Interest Group. I cannot emphasize too strongly the need for investing in at least one or two of these basic texts from a reputable book shop. Here are the more tried and true texts:

→ **Starting FORTH**, by Loe Brodie, 348 pages plus appendices, Englewood Cliffs, NJ 07632: Prentice-Hall, Inc., 1984.

→ **Mastering FORTH**, by Anita Anderson and Martin Tracy, 216 pages, Bowie, MD 20715: Brady Communications Co., Inc., 1984.

Even before your software arrives, you can read and study the first 3 chapters of Starting FORTH (SF) and/or the first 5 chapters (they are shorter) of Mastering FORTH (MF).

If you have done the above recommended reading, you are IMMEDIATELY ready to begin doing FORTH on-line. Within a very short time, following the text (chapter 3 in SF or chapter 5 in MF), you will be editing your own program files, using the built-in editor.

Here's one of my first program files:

```

0 \ ASCII utility words
1 : line ( n - ) \ print ASCII, decimal, and binary
2   cr dup dup 4 spaces emit 9 u.r
3   3 spaces 48 emit dup 65 < if 48 emit then 2 base 1 u. dec ;
4 : head ( - ) \print column heads for ASCII
5   cr ." printing"
6   cr ." Character Number Binary"
7   cr ." -----" cr ;
8 : list ( n1 n2 - ) \print range of ASCII characters
9   1+ swap do i line loop cr ;

```

(Continued on page 7, bottom of column 1)



ADAM BULLETIN BOARD

by Jim Notini



This is the first in what will develop into a monthly listing of ADAM Support Firms across North America and in Foreign countries. Each month we will be listing different addresses depending on what type of support that they provide. If you operate or know of any ADAM Support Firms, please send in the firms information: Name, Operator, Address, Phone Number and what type of support they offer. To the best of our knowledge, these companies are still providing support for our beloved ADAM System and are reputable. For further information about these firms, write or call them via the information provided below.

This month's coverage deals with ADAM Vendors (firms which carry products for use with ADAM), ADAM User Groups and also groups which publish Newsletters. Next month (?) we will list firms which produce software or hardware for the ADAM. Following the next month will be ADAM supported Bulletin Board Systems and miscellaneous firms. Even though the ADAM was orphaned by Coleco and other computer companies at the beginning of 1985, there still is a tremendous amount of support as you can see and will see from these lists as well as many new firms starting up!

463 ADAM

DEAN ROADES
8522 HOHMAN AVE.
MUNSTER, IN. 46321
(219) 836-8646
AUG / NEWSLETTER

A.A.A.U.G.

RAMEN GRIFFIN
3 ROBIN HOOD RD.
ALBANY, NY. 12203-5113
AUG

A.W.A.U.G.

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6819 ROSEMONT DR.
McLEAN, VA. 22101
AUG / NEWSLETTER

ADAM CONNECTION

STEVE MAJOR
P.O. BOX 562
CHAMPLAIN, NY. 12919
(518) 298-8193
VENDOR

ADAM DISTRIBUTING & MERCHANDISING

KEN BATCHER
530 KELVEDON MEWS
MISSISSAUGA, ONT., CANADA L4Z-1G4
(416) 238-3663
VENDOR

ADAM SOFTWARE CONSORTIUM

DR. HENRY MULLANEY
41 EAST RIDGE RD.
MERRIMACK, NH. 03054
VENDOR

ADAM SOFTWARE SUPPORT

JIM NOTINI
8125 W. CATHERINE
CHICAGO, IL. 60656
VENDOR

ADAM USER-FRIENDLY GROUP

RON MITCHELL
210 GLOUCESTER ST., APT. 1107
OTTAWA, ONT., CANADA K2P-2K4
AUG / NEWSLETTER

ADAMLINK of UTAH

ALAN NEELEY
2337 SOUTH 600 EAST
SALT LAKE CITY, UT. 84106
(801) 484-5114
VENDOR / AUG / NEWSLETTER

ADAM'S HOUSE

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RT. 2, BOX 2756
PEARLAND, TX. 77581
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EARLYESVILLE, VA. 22936
AUG

E & T SOFTWARE

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GARLAND, TX. 75040
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EDMONTON, ALB., CANADA T6G-1Z5
AUG / NEWSLETTER

ELLIAM ASSOCIATES

P.O. BOX 2664-A
ATASCADERO, CA. 93422
(805) 528-5871
CP/M VENDOR

EMERALD COAST A.U.G.

FAYE DEERE
P.O. BOX 4934
FORT WALTON BEACH, FL. 32549-4934
(904) 244-1516
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6665 TIMBERS DR.
MOBILE, AL. 36695
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INLAND EMPIRE A.U.G.

THOMAS KEENE
3141 E. PALMYRA
ORANGE, CA. 92669
AUG / NEWSLETTER

KOSOWSKY ADAM REPAIR

PHIL KOSOWSKY
6067 JERUSALEM DR.
CLAY, NY. 13041
(315) 699-6456
VENDOR

LARRY'S SOFTWARE

LARRY OVERMAN
11820 GLOXINIA AVE.
FOUNTAIN VALLEY, CA. 92708
(714) 775-0601
VENDOR

LORANGER MANUFACTURING

P.O. BOX 848
WARREN, PA. 16365
(814) 723-8600
DATA PACK VENDOR

M.W. RUTH CO.

JAY & RUTH FORMAN
510 RHODE ISLAND AVE.
CHERRY HILL, NJ. 08002
(609) 667-2526
VENDOR

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ERIC BRENNAN
888 TEMPLETON AVE.
WINNIPEG, MAN., CANADA R2V-3S6
AUG / NEWSLETTER

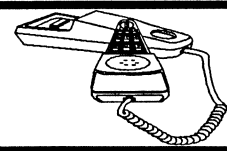
METRO ORLANDO A.U.G.

PAT HERRINGTON
1003 OAK LANE
APOPKA, FL. 32703
(407) 788-6396
AUG / NEWSLETTER

THIS MONTH'S LIST WILL BE CONTINUED IN
THE NEXT ISSUE OF N.I.A.D.

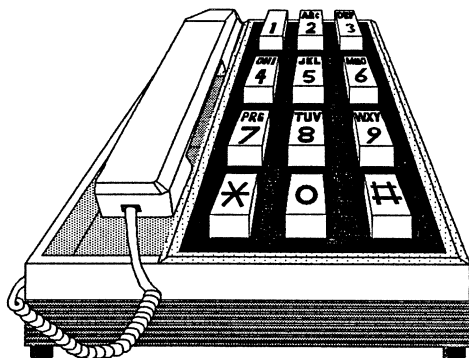


USED & SWAP CORNER



N.I.A.D. will be selling used items that we have purchased from ADAM owners. Additionally, members may send in lists of items that they wish to sell or trade with other members. Also, list the price(s) you are looking to receive for the item(s) and the easiest way for people to contact you and we will reprint it here at NO CHARGE for a period of either one or two months.

We have a couple (or only one) of each of the items listed, therefore we have to restrict orders on any of the products listed below to phone orders (first call, first serve). Please, as they say on the commercial, "PHONE FIRST!". If orders for used products are received through the mail, we will promptly return your order unless the product is available.



COLECO/ADAM CARTS with Original Manual

- Cabbage Patch Kids: Pic Show..... \$10
- Campaign '84..... \$10
- Destructor..... \$10
- Donkey Kong \$10
- Donkey Kong Jr..... \$10
- Front Line \$10
- Gorf \$10
- Logic Levels \$10
- Miner 2049er \$10
- Pitstop \$10
- Rocky \$10
- Smurf \$10
- Space Fury \$10
- Super Action Baseball \$10
- Super Action Football \$10
- Super Action Soccer \$10
- Telly Turtle..... \$10
- Tournament Tennis..... \$10
- WarGames \$10

COLECO/ADAM CARTS without Original Box or Manual

- B.C. II: Grog's Revenge \$10

- Brain Strainers..... \$10
- Cabbage Patch Kids: Pic Show..... \$10
- Decathlon..... \$10
- Dr. Seuss' Fix-Up/Mixed-Up Puzzler..... \$10
- Dukes of Hazard..... \$10
- Fraction Fever..... \$10
- It's Only Rock'N Roll..... \$10
- Monkey Academy..... \$10
- Smurf \$10
- Smurf Paint'N Play Workshop \$10
- Spy Hunter \$10
- Super Action Baseball \$10
- Turbo..... \$10
- Zaxxon \$10

USED ADAM SOFTWARE with Instructions

- 2010: The Text Adventure (DDP)..... \$10
- MultiWrite (DDP)..... \$10
- PowerPrint (DDP) \$10
- NewsMaker (DDP)..... \$10
- PaintMaster (DDP)..... \$10
- SignShop (DDP)..... \$10
- The Best of Broderbund (DDP) \$10

USED ADAM HARDWARE

- Coleco Tan Hand Controller.....\$2
- Coleco ADAM User's Handbook\$5
- Data Drive False Door.....\$1
- EVE 1 Ft. Bus Extension Cable.....\$20
- EVE 3-Unit Card Edge Adapter Cable.. \$40
- EVE Card Edge Adapters.....\$20
- Exp. Mod. #2 Driving Controller-Turbo \$35
- Keyboard with Joystick, Holder, Cable. \$10
- Keyboard (minus case)\$5
- Orphanware RS-232 Serial Interface.... \$20
- Roller Controller with Slither, Two..... \$35
Hand Controllers
- TV A-B Switchbox with Cable\$4

FOR SALE

⇒ Looking for Orphanware 80 Column Unit with Software in good working order. If you have one contact: Terry Kayser - 2308 Birdsong Ct. - Schaumburg, IL 60194 - (708) 882-0110.

⇒ Complete ADAM System for sale with 2 Data Drives, 64K Memory Expander, PIA-2 Parallel Interface and Cable. Memory Console with 1 Data Drive, Keyboard and Power Supply, Assorted commercial and public domain software programs and game cartridges with manuals. Asking \$250.00. Contact: C.G. Frost -1000 Burgess Dr. - Zelenople, PA 16063.

⇒ Exp. Mod. #3 ADAM System for sale (without Colecovision Game System, Controller, TV Switchbox) including all original manuals. Assorted commercial/public domain programs along with extra Data Drive,

misc. supplies, 28 issues of Nibbles & Bits and misc. ADAM books. Call for pricing. Contact: Ed Fisher - 4779 Lakeshore Rd. - Hamburg, NY 14075.

⇒ Complete ADAM System for sale. Available with some software packages. Asking \$150.00. Sega Master System for sale including two control pads, light gun, padded carrying/storage case and Wonderboy. Asking \$80.00. Contact: Gary Ehle - (708) 963-8276.

⇒ Complete ADAM System for sale with blank tapes and assorted software. Asking \$175.00. Contact: Jim Hathaway - 23 Elton Ridge Ct. - Rodchester, MN 55901 - (507) 281-4698.

⇒ Complete ADAM System for sale with dust covers, assorted cartridges and commercial software. Contact: Rob - 6117 Allan Dr. - Woodridge, IL 60517 - (708) 964-4357.

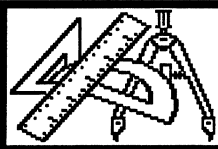
⇒ Complete ADAM System for sale with 64K Memory Expander, 5 1/4" 160K Disk Drive, ADAMLINK Modem w/ ADAMLINK II, 2nd Data Drive, Amber screen monitor, extra game controllers, 2 cartridges, several blank tapes. Asking with monitor \$400.00, without monitor \$360.00. Contact: Ben Tackitt - 35 N. Mount - Indianapolis, IN 46222 - (317) 635-7715.

⇒ Complete ADAM System for sale with two Data Drives, 2 keyboards, 64K Memory Expander, ADAMLINK Modem with ADAMLINK II, 3 1/2" 720K Disk Drive (one month old), extra ADAM printer. Assorted commercial and public domain titles as well as cartridges. Asking \$450.00. Contact: Chase Mitchell - 493 N. 400 W. - Orem, UT 84057 - (801) 226-8155.

⇒ Complete ADAM System for sale with two Data Drives, 2 5 1/4" 320K Disk Drives, Commodore 1702 Color Monitor, ADAMLINK Modem, 64K Memory Expander, SP-1 Serial/Parallel Interface, Printer Power Supply with Cover, spare keyboard, data drive, 100 public domain and 40 commercial programs. Asking \$900.00. Contact: Bob Sheehan - 89 Stratford Ave. - Pittsfield, MA 01201 - (413) 442-5551.

⇒ Coleco 5 1/4" 320K Disk Drive for sale with power supply, cables, and with over 40 program disks/case. Asking \$225.00 post-paid. Contact: Wayne R. Wissner - 582 Brooksboro Ter. - Nashville, TN 37217 - (615) 361-7566.

⇒ Complete ADAM System for sale with two Data Drives, hand controller and ADAM Printer with Tractor Feed, Printer Legs and On/Off Switch-\$125.00. ADAM with two Data Drives, hand controllers and ADAM Power Supply with Cover-\$50.00. Orphanware 256K Memory Expander with PIA-2 Parallel Interface and software-\$100.00. Orphanware 80 Column Unit with RS-232C Interface and WordStar V4.0 Word Processor-\$175.00. Avatex 1200e External 1200 Baud Modem with ADAMLINK III+ and various public domain telecomm. programs-\$50.00. Thomson 80 Column Monochrome Monitor-\$35.00. NEC Composite Color Monitor with sound and ADAM Monitor Cable-\$100.00. Panasonic KX-P1091-II Dot Matrix Printer-\$100.00. Coleco 64K Memory Expander-\$35.00. 2 Coleco ADAMLINK Modem -\$25.00 each. 2 Coleco 5 1/4" 160K Disk Drives-\$125.00 each. Coleco Auto-Dialer with Address Book Filer-\$20.00. Super Action Controllers w/ S. A. Baseball-\$25.00. Coleco cartridges-\$6.00 each, 5 or more for \$5 each, or all 46 for \$200.00. Commercial programs, public domain, books, manuals, guides, accessories and supplies. I will send copies of all items for sale to anyone interested who provides me with a SASE. Contact: David Waite - P.O. Box 53 - Granville, MA 01034.



CP/M 2.2 / TDOS WORKSHOP

Public Domain & Reviews
by Doug Rosenvinge



In this Article:

- ⇒ TDOS 4.5 Review
- ⇒ Description of Niad CP/M Public Domain Disk # CNDV-51
- ⇒ Using MS-DOS and CP/M files on ADAM

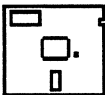
TDOS 4.5 Review

I am pleased to report the release of TDOS 4.5. TDOS has grown up quite a bit with this new release. This version contains utilities promised in the documentation. For whatever reason TDOS seems to perform smoother as well. It is now a good CP/M replacement system.

When you get your copy be sure to read the documentation files. Some of the files are crunched so you will use the uncrunching program on the disk to restore them to their full size before reading them. Secondly, be sure you understand the LOBYTE settings. My version of TDOS arrived set up for a printer other than ADAM. If you have an ADAM printer the LIST device must be set to LPT. (This is all in the documentation.) Third, there are some significant differences between the escape sequences used by the ADAM CP/M 2.2 and TDOS that control the screen. For example, the cursor display is turned off in CP/M with <ESC m> while in TDOS it is turned off with <ESC x 5>. <ESC m> in TDOS scrolls the screen left one character. You will have to reinstall the screen definitions for your programs that require them. Lastly, of interest to programmers, is TDOS's extended BDOS functions. They include all the ADAM CP/M functions plus more to handle time and date stamps, direct BIOS calls, and drive names.

As mentioned earlier, the copy of TDOS I received contained some utility programs for use with TDOS. I have not had an opportunity to test them out. If any readers have this or a later version of TDOS I would appreciate hearing your experiences, especially if your ADAM is equipped with other than Coleco disk drives, expanders, serial or parallel ports, as I have no access to these. (My ADAM has 2 tape drives, 1 Coleco disk drive and 64K XRAM and ADAM printer.)

Review of CNDV-51



This Niad CP/M public domain disk contains several utilities and the Express Editor - a programmer's editor. The utilities are primarily for WordStar users. The utilities included are:

Filter7: A utility to filter out Wordstar codes and produce an ASCII text file from a WordStar document.

Find/Replace: A utility to find and replace strings in files. It will make backups, can search and replace in object files (program or non-text files) and can search/replace in hex or ASCII. Programmers take note.

Double4: A utility for those with dot-matrix printers. It will print 2 pages side by side in compressed mode. Saves paper and printing time to preview a document.

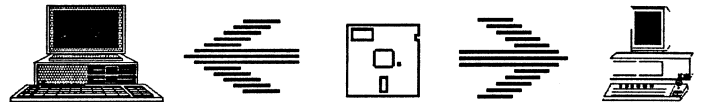
Fanfold5: Requires Turbo Pascal to run on the ADAM. Allows one to print on both sides of fanfold paper.

Hard-Soft: A WordStar utility to convert hard carriage returns to soft ones. It will also do the reverse. One limitation is that it will only work on files that can fit entirely in memory, about 48K for the ADAM.

Any WordStar utility will also be useful for those who use Video Display Editor in the WordStar Document mode. WordStar is by far the premier

CP/M Word Processor and is still available in CP/M.

The Express Editor V1.0 is a screen based editor. It is distributed as an introduction to Express V2.0, an enhanced editor sold by the authors. It uses macro (shortcut) keys that you can program and save to disk for later use. It has several built-in commands such as DIR, TYPE (allows you to view the contents of a file on screen). It produces an ASCII text file useful to programmers, writing submit files, documentation files and the like.



Using CP/M Files with MS-DOS Programs

When MS-DOS was first released, it borrowed a lot from CP/M in order to make it easier for programmers to transfer their knowledge and experience to the new operating system and 16-bit computers. An example of this is the *.com type of command files in MS-DOS. Software publishers followed similar approaches when writing new versions of their programs for MS-DOS. Things like file structures and the commands used by the program were often changed very little, if at all. This was done so that users could "upgrade" from their CP/M to MS-DOS machines and programs with minimal retraining and effort. Because of this, it is not very hard to find ways of using your CP/M software and ADAM in tandem with an MS-DOS machine. The primary problem is how one will get the data file from one machine to the other and back again. The solution you will use will depend on what resources you have available to you. The possibilities for moving files between your ADAM and MS-DOS (or other computer such as the Mac) fall into 3 basic categories: Modem transfer over telephone lines, transferring files directly on disk or direct connection of two computers through their serial ports with a null modem cable.

Direct Connection of Computers: I have had no experience with directly connecting my ADAM to another computer. To do it you would need the serial ports set at a common baud rate, a null modem cable, and communications programs for both computers. (If anyone has done this they might want to contribute an article to NIAD telling about the process and their experience.)

Modem Transfer: I used to write a monthly newsletter on my ADAM with WordStar or Video Display Editor and transmit them to the editor with my 300 baud Adalink Modem using MADAM7. The editor had an XT compatible. He would then take my file and re-edit it using Framework III. From there he would put it into a desktop publisher and print it on a laser printer. This was OK for relatively small files, 30K or so. Larger files take a long time. I used this method because I did not have a disk drive at the time and a digital data pack just does not work on any other machine but ADAM. A faster, more reliable method is disk transfer.

Disk Transfer: If you have access to an MS-DOS computer with 5 1/4" disk drives and your ADAM is equipped with a disk drive, this is your best method. I use "THE ADAM CONNECTION" from SpeedyWrite Software. It runs on your MS-DOS computer and allows it to read/write EOS files from ADAM disks, and format them in either single or double

sided formats. The program also allows you to write MS-DOS files to ADAM disks and will convert them into ASCII, SmartWriter or SpeedyWrite formats, or leave the file unaltered. The one major drawback to the ADAM CONNECTION is that it does not read/write ADAM CP/M files. We can get around this by transferring files using the "not a word processing file" option. This will leave the contents of the file unchanged. To get a file into CP/M run ADAM.COM to bring the file into the CP/M environment from the EOS disk made by the ADAM CONNECTION. To take a file from CP/M to MS-DOS run CPMADAM to make the EOS file, then use the ADAM CONNECTION to bring it into MS-DOS.

Using files:

Wordstar: These are perhaps the easiest to use between both operating systems. WordStar has taken great care to keep their file structure and codes compatible from release to release. Any file you produce on your ADAM can be read without modification by the MS-DOS versions of Wordstar. The problem arises with (MS-DOS) WordStar 5.0 and above. New commands for page layout, fonts and graphics have been added that don't exist in WordStar for CP/M. WordStar provides a command for printing the file to disk as a WordStar 4.0 file. The interpreter will strip or alter commands not compatible with the earlier release. Another way around this minor incompatibility is to save your graphics and font editing till last, and do that only on your MS-DOS machine.

dBASE: The highest level of dBASE for CP/M is dBASE II. Unfortunately the file structures for dBASE have changed with dBASE III. There are translator programs available that will take your dBASE II database and rewrite it as a dBASE III file. I believe one was provided with dBASE III, however, since I don't own the program I can't be sure. I have loaded dBASE II databases into Framework III, which automatically converted the dBASE II file into a Framework file. Framework can write dBASE III files so it is possible to use it as a translator program. (Framework can translate and write to almost any major word processor or database structure.)

The above are only examples. Almost every word processor can read an ASCII file and write one. So if you can't find a translator ASCII might work for you. Databases can almost always be written to a comma delimited file that can be read by other databases. These last two methods are the least desirable because they create more work because of lost print controls, editing, and the need to reindex or create new database structures. There are many programs in MS-DOS and some in CP/M that allow for the conversion and exchange of all types of files and data. With a little ingenuity the ADAM can be a smaller partner to the office computer.

Next time:

- ⇒ Reviews of CP/M Disks # CNDV-52 & CNDV-53
- ⇒ Review of WordStar 4.0 (commercial CP/M Word Processor) I just received a copy of 4.0 today. I need to have the disks converted to ADAM CP/M format before I can review them so pardon me if the review doesn't make into the next issue of NIAD. (ED. NOTE: It'll make it!!)

Sometime down the line:

- ⇒ Review of ZASM, a Z-80 Macro Assembler for CP/M
- ⇒ Review of the utilities supplied with TDOS
- ⇒ And much, much more... so stay tuned !!

If you have any favorite CP/M programs or utilities that you would like to see highlighted in this column, you can contact me through NIAD with your suggestions or send me a letter at my home address. Send to N.I.A.D. CP/M & TDOS LIBRARIAN - P.O. Box 1317 - Lisle, IL. 60532.

August 15, 1990

Doug Rosenvinge
30 Arbor Way Dr.
Scituate, MA 02066

Dear Mr. Rosenvinge,

I received your name and address from the NIAD ADAM User Group with the hope that you will be able to locate or provide me with a couple of CP/M programs. Included with my CP/M program from Coleco was a catalog of programs from a company named Westico. I believe that this company is no longer in business, as I have been unable to reach them.

The two programs that I am most interested in are BDS C and C Programming Language. I am hoping that you can help me locate these items or a suitable replacement for them.

Other programs that I am interested in include the Electronic Circuit Analysis program, a Z-80 Assembler/Disassembler and perhaps a Pascal Language operating system.

Please send me any information you can about these items. I am including a SASE. Thank you in advance for any help you can give me.

Sincerely,
Phillip Altmaier



Dear Mr. Altmaier,

I received your letter of August 15, 1990 asking for assistance in locating CP/M software. Software is getting harder to locate as MS-DOS continues to grow more popular, but it is still around if you find the right places to look. As you suspected, Westico is no longer in business. I had tried to contact them immediately after I bought my CP/M for the ADAM and they had already gone out of existence.

The following may prove useful to you:

Sage Microsystems - 1435 Centre St. - Newton, MA 02159 - (617) 965-3552. If you call you may get a recording. Leave a message for Jay Sage. He was selling BDS C for \$90 or \$60 for compiler only. He accepts MC or Visa. You might ask him about other products that he sells for CP/M. If you do contact him, please mention that you got his name from me. The prices I quoted were from a year old copy of "Computer Help", published by FOG.

Elliam Associates - Box 2664-C - Atascadero, CA 93423 - (805) 466-8440. They carry such programs as Turbo Pascal \$65, Nevada COBOL \$39.95 and T/Maker \$120. They carry over 400 public domain disks and can provide them in over 300 disk formats. (The prices quoted are over a year old). Their 100 page public domain catalog is \$8.50 plus \$1.50 S/H (current price). Sending them a S.A.S.E. will get you a flyer describing what they have to offer.

Cranberry Software Tools - P.O. Box 681 - Princeton Junction, NJ 08550-0681. Advertisises that they have low cost CP/M and DOS programs and development tools. Write to them indicating your computer and operating system (CP/M 2.2) to get a description of their products.

These are only some sources of software. Don't forget our NIAD Public Domain Library. You may also wish to check local bulletin boards for programs of interest. (I get most of my best software by modem). FOG has one of the most complete libraries of software available, but you must be a member to use it. (FOG International - P.O. Box 3474 - Daly City, CA 94015). Another source of software may be public library book sales, yard sales and the like. I have found some interesting CP/M manuals, books, magazines and programs for sale in these places..

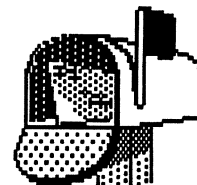
I can't help you with info on the Electronic Circuit Analysis program, however the Assembler and Disassembler are no problem. DazzleStar is a CP/M disassembler that is in the public domain. It's screen is much like WordStar and it uses commands based on WordStar's. I can send you a copy if you can't locate it on a BBS near you. (If it is not in the NIAD Library, I will be putting it there soon). Assemblers are not hard to find. ASM.COM came with your CP/M 2.2 package. Another that comes to mind is ZSM.COM, a Z-80 macro-assembler which will be in the NIAD Library soon.

If you don't have a disk drive, you will need to have someone copy any of these to datapack for you. If you can't find someone locally, I can help you in this area. I also have the ability to copy a number of CP/M formats to the ADAM single-sided format.

I hope the above information will be helpful to you.

Sincerely,

Doug Rosenvinge / Acolyte Software
NIAD CP/M & TDOS Librarian



N.I.A.D. CP/M & TDOS LIBRARIAN
c/o Doug Rosenvinge
30 Arbor Way Dr.
Scituate, MA 02066

Please enclose a S.A.S.E. for a reply



PUBLIC DOMAIN WORKSHOP

SmartBASIC VOL. # BNDV-36

PROGRAM DESCRIPTIONS

This SmartBASIC volume is a collection of a number of Public Domain titles which were previously on separate volumes. These include EzMatch, Parrot, Mr. T Yachtsee and The Coleco Checklist.

- ⇒ **HELLO** - Loads and runs the MENU program.
- ⇒ **MENU** - Allows for the execution of all BASIC program files on this media.
- ⇒ **EzMatch** - The classic game of CONCENTRATION brought to life on your ADAM Computer. Vivid graphics and sound effects make this one of the best public domain titles available. Contributed by Solomon Swift of Phoenix 2000.
- ⇒ **List-Part1** - A SmartWRITER file containing details on the setup of the component file List-Part2.
- ⇒ **List-Part2** - A SmartWRITER list of cartridges and software which was created by Coleco for the Colecovision and the ADAM. This is a complete list of released and unreleased titles that Coleco developed.
- ⇒ **PageTop** - A utility program for dot matrix printer owners that will print out a header at the top of the page. Can be customized.
- ⇒ **Parrot** - Loads and runs the PARROT program.
- ⇒ **PARROT** - The classic game of SIMON brought home to the ADAM. Terrific graphics and sound make this one of the better public domain titles developed by Solomon Swift of Phoenix 2000.
- ⇒ **Yachtsee** - Loads and runs the YAHTSEE program.
- ⇒ **YAHTSEE** - A great rendition of the game yachtsee by Mr. T Software. Instructions are in the program.
- ⇒ **scoreboard** - Hall of Fame for Yachtsee.
- ⇒ **ReadmeDOC** - Documentation file for Parrot, PageTop and EzMatch.
- ⇒ **NiadBNDV36** - Brief descriptions of all the files on this media.

TOTAL OF 13 FILES AND SmartBASIC V1.0 = 110K

THE BEST OF B.C.

This is a supergame pack released by Coleco of Canada in 1984 and contains two games: B.C.'S QUEST FOR TIRES and B.C. II: GROG'S REVENGE. To load, insert the media and pull the <COMPUTER RESET>, then choose the appropriate game from the menu.

B.C.'S QUEST FOR TIRES:

Help! Help! It's Cute Chick, and she's in trouble. The dinosaur is holding her captive. If Thor doesn't get to her in time, the dinosaur may even eat her! Yes, it's your favorite caveman, Thor, straight from the comic strip B.C.! Help Thor over the many obstacles to save Cute Chick from the dinosaur! There's danger everywhere, but it's worth the risk in the cause of true love.

At first Thor only has to jump rocks and holes. Then he must jump and duck, almost simultaneously, to avoid the logs and low hanging tree limbs in the Petrified Forest! The only way Thor can get across the river is to hop on turtle's backs. These turtle's sometimes get tired and submerge at the wrong moment, much to Thor's dismay! To add to Thor's difficulties, his arch-enemy Fat Broad is waiting on the other side to ambush him. If Thor's timing is good, the Dooky Bird will help him over the lava pit, if he jumps the pit just when Dooky Bird is overhead,

the prehistoric bird will pick him up and carry him across!

Thor must build up plenty of speed during his downhill run before the cliff. Timing is crucial, too. If Thor's balance is off or he is too slow, he will crash into the ravine or the face of the cliff. Once over the cliff, Thor faces his most difficult challenge: the volcanic eruption. In addition to the obstacles on the ground, he is showered with boulders from the sky.

Once again Thor must cross the river on the turtle's backs. Then, at last, he must face the dinosaur! If Thor can get past the dinosaur and into the cave, he has only a short way to go to rescue Cute Chick. On his way, Thor must duck under stalactites and jump over stalagmites to avoid crashing.

If Thor does crash, don't worry: he has five wheels. But True Love is calling him, so use all your agility and cunning to help him rescue Cute Chick!

B.C. II: GROG'S REVENGE:

Thor has completed his Quest for Tires. Now he must discover the Meaning of Life, hidden away somewhere in a long maze of mountains. The perilous roads around the mountains are covered with clams. Thor must gather 100 clams as he wheels his way along the roads, then use the clams to pay Peter, the toll-taker, and advance to the next mountain.

The only way to the toll booth is through dark, scary caves. There are lots of clams in the caves for Thor to collect, but there are also sharp stalagmites to watch out for! Keep Thor's headlight sweeping back and forth for maximum clams.

Out of the cave, watch out for the grouchy Grog, who "shellfishly" saves clams for himself. And free-wheeling Thor must also contend with rocks, potholes and wheel-eating Tiredactyls in his quest for clams and the Meaning of Life!

PUBLIC DOMAIN UPGRADES

Due to space limitations listing the public domain volumes that N.I.A.D. supplies, we have decided to combine a number of LIKE volumes together. This will not only mean more space to list new volumes, but also that you will receive more for your money! The upgraded / combined volumes are as follows:

- ⇒ COLECO GRAPHICS PROCESSOR / GRAPHICS CONVERTER
- ⇒ M.A.S.H. / SUPER COBRA
- ⇒ MEMORY MANOR / WORD FEUD
- ⇒ ARTILLERY DUEL / TOMARC THE BARBARIAN
- ⇒ STRATEGIC SOFT. PRINTER PATCHES / MULTWRITE PATCHES

MORE P.D. UPDATES

- ⇒ ADAM DIAGNOSTIC is no longer available as a separate volume. This program is contained on the ADAM UTILITIES volume along with a number of other test and demo Coleco programs.
- ⇒ TRACKER has been updated with a new and much improved boot screen map which is also used when the hurricane is set into motion.
- ⇒ ONE-MINUTE FORMATTER is no longer on a separate volume. This program is contained on SmartBASIC Vol. # BNDV - 33.



ACCESSING VRAM

by HARRISON PRODUCTIVITY
Reviewed by Jim Notini

ACCESSING VRAM (VideoRAM) is a new book designed to help explain using the tables that control the Video Display Processor or VRAM. Contained in the book are explanations on how to set-up the two easiest and most used graphic modes on the ADAM Computer. Each one of these graphic mode's tables are discussed (PATTERN, COLOR and NAME tables) as if the programmer is accessing VRAM through SmartBASIC. There are charts showing how to position one's own image in the NAME table and charts showing how to design one's own bit mapped images. Examples are given also, not only in discussion, but also in SmartBASIC and Z-80 programming.

VideoRAM, or VRAM for short, has 16K of RAM which is separate from your 64K main board. It has four modes of operation which are: Graphics Mode One, Graphics Mode Two, MultiColor Mode and Text Mode. When using SmartBASIC, you are primarily using two of these modes. The computer switches to these modes automatically when you enter a TEXT, HGR or HGR2 command. The TEXT command puts your computer into Graphics Mode One, which is the mode that you are in after SmartBASIC is booted, and the HGR command puts you into Graphics Mode Two. These are the two Graphics Modes which are discussed in this book.

ACCESSING VRAM, while only 15 pages in length, packs a lot of detailed information on these Graphics Modes. Each Graphics Mode (One and Two) is broken down into very informative subtopics as to how to access the specific mode first of all and then what you can do within that mode and how to go about accomplishing this. Also included are grid layouts of the area which you have to work with in each mode as well as grid layout diagrams of some of the ASCII characters to further demonstrate. At the end of each discussion on the two different Graphics Modes is a short SmartBASIC program which can be typed in to further demonstrate the material which was discussed in the book as well as a disassembled list in Z-80 of the VRAM demo program for those of you who have advanced to the point of understanding Z-80 disassembled lists. Also supplied is a list of the Video Chip Registers along with descriptions of what each register's function is. Lastly, a Color Code Chart is included to provide for easy look-up of the specific numbers which need to be poked into the color control addresses for TEXT, GR and HGR modes. This last chart is a tremendous time saver for when you need to now what number to poke into an address to change the screen colors.

Overall, ACCESSING VRAM is a very impressive instructional on how to access the Video Processor RAM. The pages are very well laid out and the manner in which the author, Carl Harrison, goes about describing the different Graphics Modes is very straight forward and down to Earth, something that we ADAMites have become quite used to. A pleasant change from the norm where it seems that most books or manuals are written in a way that the purchaser is sure to become confused and frustrated to the point that they give up entirely in trying to get any use out of the book. Also, there is very little information available on the VRAM, and this book should fill the void very nicely if you are one that likes to explore into the inner workings of the system for fun or to implement into your own work.

HIGHLY RECOMMENDED: A

MASTERING MUSIC

by HARRISON PRODUCTIVITY
Reviewed by Jim Notini

MASTERING MUSIC is a combination software demo program and instructional which demonstrates what can be accomplished when one masters the complicated sound routines that are included in the EOS system. The instructional files (which are to be printed out through SmartWRITER) explain what each of these routines do and how to set-up each routine before CALLing them. However, all program listings are in Assembly Language and require that the user have a working knowledge of Assembly code.

The second part to MASTERING MUSIC is an outstanding demonstration program which is auto-booting. To boot-up, you simply place the data pack or disk into a drive and pull the computer reset switch. A title screen will appear along with a musical score followed by a second title screen before the program jumps to the main SmartKEY menu display. At this time, some further information is presented to explain the program use. Three options are given at this menu that allow you to branch off into other sections. The first allows you to select SOUNDS. After choosing this, a menu will be displayed in the upper portion of the screen which gives you the choice to hear 28 different sound effects that were taken from Coleco supergames and cartridges. The second option from the main menu displays the TUNE screen. There are 12 different tunes included to choose from and once again these tunes, like the sounds, were taken from Coleco programs. The last option from the main menu allows you to exit the program to either SmartWRITER or SmartBASIC V2.0 (which is provided on the media so you don't have to own it or place your copy into the drive).

Two other programs which are provided on the media are a sample program which must be copied onto block 0 of any media, this can be accomplished by a block copy program or two three line programs which are provided. Once copied onto block 0, you can pull the computer reset switch to see what the sample program does, or should I say hear! The other program is UTILDUMP (by Wayne Motel). UTILDUMP will allow you to dump out block 79 (the sample program) to a printer so that you may more easily follow along with the tutorial.

Covered in the tutorial are simple instructions on how to initialize the sound table, turn of all sound, start tune by number and send note to sound chip. Accompanying each section is a brief assembly code listing of the routine needed to perform the task at hand.

While this package may be a bit over my head, it will surely provide a lot of valuable information to those who are just getting into assembly code and want to access the sound chip and will be a must buy for those who have a good working knowledge of assembly and EOS, but are still stumped in trying to access the sound chip. Even if you are not interested in programming your own sound effects or musical scores, the software demonstration program is well worth the purchase of MASTERING MUSIC. Upon the first time I booted the demo software I thought I was looking at a Coleco program and to be able to sit back and listen to the sounds and tunes that were taken from Coleco programs is a real joy. MASTERING MUSIC has a little bit of everything for each level of user and an entire guide is tentatively planned on the sound chip by Carl Harrison. Anyhow, this is a good first step to take.

HIGHLY RECOMMENDED: B+

M & M GRAPHICS

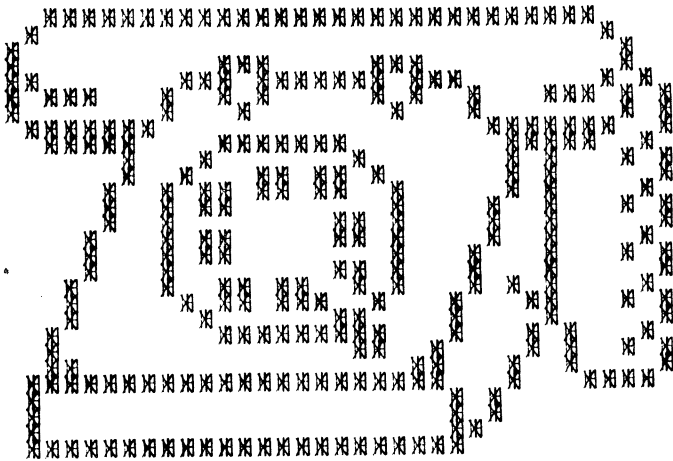
by M & M SOFTWARE
Reviewed by Jim Notini

M & M GRAPHICS is a huge collection of graphic files (106 in all!) ready to be used with either SignSHOP or NewsMAKER by Strategic Software Inc. This is easily the largest collection of picture files ever designed and sold together and not only is their quantity, but there is also a high degree of quality included in the EXTREMELY well designed graphics.

The graphics that are included cover a wide range of areas that should provide for the creation of some very sharp cards, signs and banners with SignSHOP and page layouts with NewsMAKER, etc., etc., etc.

There really isn't too much that can be said about such a package except that it is a steal for only \$9.95 and if you are not graphically enclined or too lazy to design your own graphics, this is the one package that you will want to pick-up in the near future.

HIGHLY RECOMMENDED: A+



M & M JEOPARDY QUESTION PACK

by M & M SOFTWARE
Reviewed by Jim Notini

So, you say you are tired and have memorized the questions contained on the original JEOPARDY program and the question pack by Walters Software Co. What do you do now, especially since you don't want to type in your own questions packs! The answer is simple, pick up M & M Software's question pack. This question pack is fun as well as challenging, and for those of you who don't spell to great, M & M Software has made giving the answer easier than ever. For all ADAM owners out there, you might want to do your homework! Because with categories like ADAM BASIC and ADAM GAMES, this makes the question pack just for us. Also included are more standard topics such as: science, psychology, presidents, dice, etc.

This is a very well designed question pack and should provide for many countless hours of play in front of your ADAM Computer. The best part of this pack is it's flexibility in understanding what you have typed in even if you have misspelled the word or words. A must have for Jeopardy fanatics.

HIGHLY RECOMMENDED: B+

SMILEY FACE: WHAT AN ATTITUDE!

by M & M SOFTWARE
Reviewed by Jim Notini

If you think the name is weird, wait until you see what is contained on this new collection of clip-art picture files for use with CLIPPER and PowerPAINT by Digital Express, The Label Works and The Print Works by Walters Software Co. and numerous other programs which are capable of using clip-art picture files. If you thought that SMILEY (as in smiley face) was always happy... THINK AGAIN! M & M Software has created a new and exciting way to express yourself. SMILEY FACE: WHAT AN ATTITUDE! contains 70 different mood swings, from AGGRESSIVE to WITHDRAWN, GUILTY to INNOCENT, HYSTERICAL to MEDITATIVE, etc. You'll have fun finding ways to use these 70 unique clip-art picture files.

I won't waste space with a lengthy description of this package, mainly so that you can see with your own eyes how outrageous these clip-art pictures truly are. But there is one thing that can definitely be said about SMILEY FACE: WHAT AN ATTITUDE!, "There is nothing like this on the market and it is easily the best and most original collection of clip-art picture files ever made available for use on the ADAM!!". If you own one of the above mentioned programs, this is DEFINITELY A MUST PURCHASE, and best of all, it is only \$9.95. My hats off to M & M Software on this package, it is one of the best packages to be released all year long, and for that fact, of all-time. Now for the best part, some of the 70 clip-art pictures are printed below.

HIGHLY RECOMMENDED: A+



Apologetic



Arrogant



Bashful



Cold



Concentrat



Confiden



Aggressive



Agonized



Anxious



Blissful



Bored



Cautious

LEARNING TO WRITE WITH ADAM Hacker's Helper Vol. II by ROADRUNNER PUBLICAT. Reviewed by Jim Notini

Volume II of the HACKER'S HELPER Series, written by Mel Ostler, departs from the format of the Volume I "LEARNING TO READ WITH ADAM" considerably, as it likewise departs from the format of the preparatory text to understanding a computer, "FROM BASICS TO BASIC".

"FROM BASICS TO BASIC" was designed to acquaint the new computer owner, or an owner who desired to understand a little of what typically might take place in a computer, with the fundamentals of computer components generally, and a microprocessor in particular.

The Volume I book was written in an effort to take the reader from the point of general education about computers obtained in "FROM BASICS TO BASIC" through some rather detailed disassemblies of the EOS and BASIC BOOT programs, to help the reader see how other authors of machine language programs have used the Z80 instructions to satisfy their needs. At the same time it gave the reader a first real look at how the EOS is used to read from media, with all of the FILE_MANAGER routines involved therein.

Volume II, "LEARNING TO WRITE WITH ADAM" is written with the assumption that the reader has either become familiar with "FROM BASICS TO BASIC" and "LEARNING TO READ WITH ADAM", or has become familiar with that information in some other fashion. It assumes that the reader is at least a little familiar with Z80 machine language instructions, although several chapters do not require such a knowledge.

Volume II, therefore, does not go into long disassemblies and their explanations, nor does it go into any lengthy explanation of the make-up of a computer.

On the other hand, it discusses the manner in which a write to media operation is performed by some computers in general, and ADAM in particular.

Among the items discussed are the 'memory mapped ports' versus standard IN/OUT ports, and how they are used to input and output information.

The Device control blocks are explored in more detail than before, with instructions on how to format a media and write to or read from a media using the Basic language.

Finally, the elements of a routine that might possibly be further developed to become a replacement to the EOS WRITE_BLOCK routine are generated. The advantage of this type of program developed herein is that it uses the interrupt routine generated by the VDP to do the write procedure, allowing the computer user to go about other tasks while the write is taking place.

Many of the more advanced features of the ADAM's ability to communicate with mass storage devices are shown, and more of the implicit functions of the Master 6801 are discovered.

"LEARNING TO WRITE WITH ADAM" also comes with a number of demo programs on disk or data pack which are also listed in the book. Covers 112 pages in all, and is bound in a sharp binder with pages that are very well laid out. A must have for the series programmer!

HIGHLY RECOMMENDED: A+

ZORAN III by ADAMzap SOFTWARE Reviewed by Barry Wilson Contributed by The A.N.N.

This is the newest and most comprehensive game yet released by ADAMZap Software. After a few years of planning and programming, this text game is finally available. With a few graphics screens and the ability to use the EVE SS-CC, the game is definitely an accomplishment for ADAM users.

ZORAN III comes on two disks (a floppy disk) or one data pack. This game is a very large adventure. One disk is over 220K long while the data pack is over 170K long. The difference is because on both disks (both sides of the disk) you can boot the game, where the DDP only needs one boot program.

The text is displayed in different colors and uses the 40 column display as well as different font styles and characters. There are also a number of graphics screen, but these are not involved in actual game play. A well-organized game. Documentation files in SmartWRITER format will help to explain the game premise. Also, you can have the program, once booted, print out directions and a short storyline.

As for the storyline, it goes like this:

You are a very well skilled computer programmer working for the Pentagon. You have been given a mission: access the Pentagon's Central Computer Network BBS and find and delete a deadly computer virus called ZORAN III. This virus can corrupt any computer program. You must delete him before he corrupts the defense parameter and is able to launch a nuclear attack on the world using the U.S. nuclear task force.



Be careful because he knows who you are. He has emotions and doesn't like people snooping around his system. He has also corrupted every area to further your challenge. You must find passwords, access areas, run programs, and then fight ZORAN III head on.

Luck and skill are needed for this game. The text is displayed just like a real BBS. You can talk to on-line members, read private mail, talk to SYSOPS, transfer programs, read and send mail, and a modem is not required!! Don't waste time though, because ZORAN III will easily disconnect you. If you have the SS-CC speech card, he even talks to you. He may also just warn you, to try and get you to quit the game in fear of the worst. Your security clearance is high enough to get you around most of the system, except within the SYSOP control area. For this area, you have to find the password. It took me several hours to use all of the BBS and get familiar with it.

This is a very involved game. It takes many hours to solve and is recommended for people over the age of 16 (although a 7 year old could probably solve it faster than us adults). It requires a great deal of thought and analysis of situations.

A game for the hacker and programmer in all of us and probably the best text adventure game developed for the ADAM since Stage Fright and the Infocom titles became available.

HIGHLY RECOMMENDED: A

SmartCLOCK

by TRISYD VIDEO LABS

Reviewed by Robert L. Hendrickson

I got my SmartCLOCK thru ADAM'S HOUSE last February with the original software which was temporary. I moved my ADAM Console to the dining room table and started removing the tape drives and case screws, looking for empty socket #8. There was a lot of nice looking electronics in there, but no empty sockets. Worse yet, there were no sockets since the IC's were soldered right to the board. Nobody told me to look below, but in desperation I removed the huge printed circuit board, shields, and ribbon cable and beheld a beautiful sight, an empty socket - U8.

Pop went SmartCLOCK, right into U8. Was this the final resting place for SmartCLOCK? Will it work? How do I get the time set? Will it date my tape and disk files as they are saved? Can I use it to signal ADAM to read a data port hourly? ADAM went back together as best I could remember and as fast as I could get the pieces positioned. Only one screw left over. Ready for the first trial.

Now to boot the disk "SmartCLOCK". Wow! A fancy screen with a picture of SmartCLOCK, then a new screen with day, month, year, hour, minutes, seconds and hundreds of a second spread across the top of the screen along with a list of options. I chose option 3 to set the clock and got a third screen with good instructions to set the date and time. This worked fine and the next time I booted the disk, the date and time came right up, correct to the hundreds of a second, which were whizzing along at a good clip. Now to call up the readme documents and learn more about SmartCLOCK. Switch to word processor mode and get each of the three documents. Nothing readable here. Load SmartBASIC and call up a catalog. Nothing readable here either. Load CP/M and call up the directory. It works: typing "Time i" and you get the date and time every time. Now to find out how to call time in SmartBASIC. There must be something to peek, so I read the disk with Hacker's Guide "tape-edit" program. Can't find where to PEEK, but I did find Syd Carter's address to write him with some heavy questions.

Syd's reply is to read all the AIM Newsletters as they come in the mail. More software is promised. Bingo! April brings a new tape from ADAM'S HOUSE and a disk from Syd, both with an April 15, 1990 date. Now I can boot the SmartCLOCK disk or tape to find out both the time and date, and I can call up the date and time in either SmartBASIC V1.0, V2.0 or CP/M 2.2. Even more, my files are saved with the current date written in. Now, how do I get rid of the error message that comes up just after I turn off the date message with the UNDO key? Also, I don't need time in hundreds of a second, so keep looking for a place to PEEK at the time in Basic. I print out 12 pages of documentation that now comes up OK in Word Processor Mode. Too much information here.

Finally, on page 6, I discovered the place to PEEK was at 56334. This is the place where the binary program called "clocki" puts the date and time as "formatted video output". The trick is to peek at the first 32 characters starting at 56344 as a string, otherwise peek reads them as hexadecimal numbers and converts them to decimal numbers which are not correct. My listing called TIME reads just the first 23 characters to display. For example, "Wed June 13/1990 20:54".

Now the only problem is I have to boot SmartCLOCK, then boot SmartBASIC, then load and run INSTAL to get the binary program "clocki" working. This is too much trouble, but I found how to copy the binary program to my SmartBASIC disk.

In Basic, all you have to do is type:

LOMEM :29000: POKE 16150, 255:
BLOAD clocki, A28000

to get the SmartCLOCK disk program moved from it's disk or tape into RAM. Then, with the SmartBASIC disk in place, do a:

BSAVE clocki, A28000, L774

Once you get "clocki" copied onto your SmartBASIC disk, you can save a HELLO program such as the one listed here that lets you boot only SmartBASIC and still gets the date or time or both. Your version of the program called TIME can be modified to test for a particular time and then branch to other parts of a program depending on what time it is. My version of TIME (see listing) prints the time at every 5 minute intervals and then does a 15 second job of adding 4000 random numbers in line 98 through 110. Ain't ADAM great?

```
10 REM HELLO PROGRAM
20 LOMEM :29000: POKE 16150, 255
30 PRINT CHR$(4); "BLOAD clocki"
40 POKE 64885, 145: CALL 28000
50 LOMEM :27407
60 PRINT CHR$(7), CHR$(7)
70 PRINT "Welcome to Bob's BASIC - ";
80 PRINT "Press 'UNDO' key"
90 GET k$: TEXT
100 PRINT
110 PRINT CHR$(4); "RUN TIME"
```

```
10 REM TIME
20 LET t$ = ""
30 TEXT
40 FOR n = 0 TO 32
50 LET t$ = t$+CHR$(PEEK(56344+N))
60 NEXT n
70 PRINT " "; t$
80 NEW
```

```
10 REM TIME
20 GOSUB 120
25 IF r <> 0 THEN GOTO 68
30 PRINT MID$(a$, 1, 16)
40 PRINT MID$(a$, 19, 5); " START"
68 LET t$ = ""
69 FOR n = 0 TO 2
70 LET t$ = t$+CHR$(PEEK(56366+n))
75 NEXT n
80 IF t$ = "5:0" THEN PRINT MID$(a$, 19, 4)+LEFT$(t$, 1);: GOSUB 98
85 GOSUB 120
90 IF t$ = "0:0" THEN PRINT MID$(a$, 19, 4)+LEFT$(t$, 1);: GOSUB 98
96 GOSUB 120
97 GOTO 68
98 LET r = 0
100 FOR n = 0 TO 4000
102 LET r = r+RND(1)
103 NEXT n
104 PRINT TAB(10); INT(r)
110 RETURN
120 LET a$ = ""
140 FOR n = 0 TO 25
150 LET a$ = a$+CHR$(PEEK(56344+n))
160 NEXT n
190 RETURN
```

EDITOR'S NOTE: Since this article was written, the software has been further updated and this updated software is sold with every SmartCLOCK that NIAD has stocked.

MIDI-MITE INTERFACE

by BONAFIDE SYSTEMS

Reviewed by Terry Fowler

The MIDI-MITE INTERFACE is a product of Bonafide Systems (Chris Braymen). The unit itself measures 3 1/4 by 5 1/4 by 1 1/2 inches with a 6 inch ribbon cable that connects to ADAM's end port on the CPU. The MIDI has four DIN Connector ports: MIDI IN, MIDI THRU, and two MIDI OUT. The hookup and connection to your keyboard is quite simple using the two provided cables. Two data packs of software are provided, VideoTunes Player and Mini Recorder, with instruction manuals to explain MIDI installation, VT Player and Mini Recorder use.

The MIDI OUT port allows you to connect your ADAM to the MIDI IN port of your keyboard or instrument equipped with MIDI capability. The MIDI IN port allows you to send song information from your instrument to ADAM for playback and recording using the Mini Recorder software. The MIDI THRU is just a "repeater" of information -- any information that comes into the MIDI IN is automatically sent out the MIDI THRU, useful if you want to control one keyboard from another. The second MIDI OUT port allows ADAM to control a second instrument simultaneously during playback.

MIDI-MITE gives anyone interested in hearing professional high-quality music the ability to select songs and play them through a MIDI equipped instrument. If you have heard music produced by VideoTunes, your first thought might be that you'd rather invest in a stereo or some other form of music playback system since the sound quality of a TV/monitor speaker is not exactly breath taking. Yet, with a MIDI instrument the sound quality is truly amazing -- as though a professional musician were playing a full range of instruments from one keyboard. And yes, VideoTunes allows many notes to be played together that produces the quality you desire. But what is really nice about MIDI keyboards is that you can select different instruments and therefore change the sound of a song accordingly. You can add effects such as Reverb, Sustain, Vibrato, Portamento, and Stereo depending on the quality of the keyboard. But even the under \$100 MIDI keyboards will provide a high quality sound you will be able to tailor to suit your listening pleasure. With an instrument like the YAMAHA PSS-680, you will be rewarded with stereo sound that can be played through your stereo system in many, many instruments -- even adding percussion sounds to some songs. And, you can play along!

Now that you realize that ADAM and VideoTunes are more than able to play back high quality songs in polyphonic (multikey) effect in up to 16 voices, we will explore the software more fully. The VIDEOTUNES PLAYER allows you to use VideoTunes produced music that is available from many public domain libraries. Further songs are also saved on the VT Player data pack. VideoTunes allows you to simply place notes from sheet music to create songs just as they were written, saving the result for future playback. VideoTunes is still commercially available through many ADAM vendors, so there is no limit to the songs you can create.

VideoTunes Player loads to a screen which is SmartKEY Menu driven. The screen contains an area at the top for Song Title, Composer, etc., with a song bar in the middle. Below it are the 16 Program Channels and a selection mark. Most synthesizers are capable of producing a variety of sounds. These sounds can be selected by sending MIDI program changes -- putting an "X" in the box next to "SEND PROGRAM CHANGES". VT Player will send the displayed programs on their corresponding channels before the song is played. Program numbers from 1 to 128 correspond to sounds your synthesizer will produce, so you will have to consult your manual.

Four options may be selected to: SHIFT OCTAVE UP, REPEAT PLAY,

SEND PROGRAM CHANGES and SEND SOUND TO MIDI. Use of the arrow keys and return key allow you to select one or all of these functions. The SmartKEYS at the bottom of the screen provide: I - REWIND, III - MAKE LIST, IV - PLAY LIST, V -PLAY SONG and VI - FORWARD.

REWIND will position a Marker Note on the Song Position Bar at the beginning of the song (if it is not already), while FORWARD allows you to advance into the song a note at a time. MAKE LIST will allow you to select numerous songs from the directory to play in sequence. The Directory is obtained using the STORE/GET Key. Using the arrow keys to highlight the desired song, the song is brought into memory with channel(s) preselected, along with the possible selection to shift the octave. You may select other channels to add rhythm, etc. I am not an expert on this (yet), but you will be amazed what you can do. You may also elect to REPEAT PLAY. This function automatically repeats the song until you press SmartKEY V - PAUSE, or VI - STOP. Using the VideoTunes Player is simple, but provides features you want and need. The MINI RECORDER program will allow you to record and playback standard MIDI files. Even songs created on other computers will play on ADAM, and other computers can use the songs you record with this program (granted you have a way to transfer them to another computer). Like VT Player, Mini Recorder lets you send program changes, redirect channels, turn channels on and off, and shift the octave of your song. No editing provision, however, is available.

When loaded, a similar screen is presented as with the VT Player. At the top are four text fields which you may fill with whatever information you wish, and to the right is a number indicating how many "MIDI events" are free in the computer's memory. Mini Recorder can hold more than 3,000 notes! Below the song position bar and channel/program number area you may now choose to: SHIFT OCTAVE UP, REPEAT PLAY, SEND PROGRAM CHANGES or FILTER PROGRAM CHANGES.

FILTER PROGRAM CHANGES allows you to filter out imbedded program changes that may not be appropriate for your synthesizer. In addition, SmartKEY II provides the selection of RECORD.

To RECORD music you must press SmartKEY II and the shift key together. Mini Recorder will then record everything you play, even program changes, pedal data, pitch bend data, and more. It will even record the Demo Song on your Synthesizer. Where you see a green "track has data mark" in the "track information group", this means the track contains MIDI data.

Most of the remaining functions have already been covered in the VT Player. There is also a delete function which allows you to remove unwanted songs from your media. Just get the directory, highlight the unwanted song, and press the DELETE Key.

With the promise of a full featured eight track sequencer program with editing capability that can correct and add to songs already recorded (later this year), there is no telling what heights the MIDI-MITE will reach. But for now, we have a wonderful addition to ADAM:

- ⇒ No 3 note barrier - Only your synthesizer limits the number of notes you can hear at a time.
- ⇒ List play - Create a list of favorite songs and play them in sequence.
- ⇒ Repeat play - Play one song or an entire list repeatedly.
- ⇒ Select MIDI Channels - Play music through any combination of 16 MIDI channels.
- ⇒ Select Patch - You can select a different synthesizer sound for each channel.
- ⇒ Record and playback whatever you are able to play.
- ⇒ Reads and writes standard MIDI files (format 0) and therefore can play back multi-track files created by another sequencer.
- ⇒ Easy to use, self-booting, EOS machine language programs with colorful screens that are SmartKEY driven.

ADAM certainly has a lot of uses these days, and MIDI-MITE breaks a new sound barrier.

CLIP-ART VIEWER

by WALTERS SOFTWARE CO.
Reviewed by Jim Notini

Clip-Art Viewer is the newest utility program developed by Walters Software Co. for use on the ADAM Family Computer System and is probably one of the most useful programs released all year long. Clip-Art Viewer will aid you in converting, cataloging, and viewing clip-art picture files with your ADAM Computer. With Clip-Art Viewer, you can view and print to an Epson compatible dot matrix printer a clip-art by selecting it from the graphic file folder. You can view the entire contents of a media that contains clip-art pictures automatically, and select the display time. Clip-Art Viewer will also print a catalog of all the clip-art pictures on a media to a dot matrix printer with the clip-art filename under the picture. You can also: convert IBM PrintShop and IBM PrintMaster clip-art into ADAM compatible clip-art, convert 2K clip-art to 1K and convert 1K clip-art to a PrintWorks compatible clip-art file. The SmartDSK ramdisk is also available to save time and drive access if you have a memory expander, but a memory expander is not required and for that fact, a dot matrix printer is not required but recommended to take full advantage of Clip-Art Viewer.

Upon boot-up of Clip-Art Viewer (CAV for short), you are presented to a graphic title screen as the program loads. Once loaded, CAV will check the status of your dot matrix printer (if you have one) and then proceed onto the memory expander setup. If you have a memory expander, you may setup CAV to access the entire size of the memory expander or reserve one bank if your memory expander size is 128K or larger. This option to access the memory expander is a welcome addition since you can copy clip-art picture files to the expander with AutoLOAD or SmartDSK Cart (both by Walters Software Co.) prior to loading CAV and therefore have all the clips stored on the ramdisk when you use CAV. If you are an owner of only digital data drives, this will be a tremendous time saver and even disk drive owners will benefit from faster loading times and less wear and tear on their drives. If you do not own a memory expander, this menu will be bypassed entirely.

The next menu will display the revision number as well as the personal I.D. # and give the option to display information about the programmer of CAV or continue into the CAV program. The main SmartKEY Menu gives the user the choice to branch off into two separate parts of CAV.

CLIP-ART TOOLS allows the owner to convert clip-art files in a number of different ways. The first convert option is for IBM PrintShop and PrintMaster clips. Yes, you now have a way to convert IBM clips to ADAM format with a small stipulation. In order to get the clip-art files over to an ADAM disk, you first have to own either PrintShop or PrintMaster on the IBM and save the clip as a single file (since these programs store their clips in one large file) and then transfer the clip to an ADAM disk via "The ADAM Connection". This will also require that you have an ADAM disk drive since the IBM does not or cannot use digital data drives. Walters Software Co. includes over 100 IBM clips already setup on an ADAM media, but you still have to convert them with CAV to an ADAM clip-art file (good practice!). The process is extremely simple, just insert the ADAM media with the IBM clips, load a catalog, highlight the file and press the CONTINUE SmartKEY. Once loaded and displayed, you may adjust the positioning of the clip. IBM clips are wider than ADAM clips, but most IBM clips don't use the entire width. This means you can adjust most of the IBM clips to be sized properly for the ADAM. When the clip has been positioned to the best of your ability, you can save the clip in ADAM 1K or 2K format.

The second convert is changing 2K clips to 1K (K = the physical size of the file). Clips which are 2K are saved in a binary format that SmartBASIC can use, these take up more room than the 1K clips that are saved as a Z-80 machine file. The process is very simple, first

choose the 2K clip and it will load up and then save the clip. When saved, it will be in the 1K file format.

The final convert option will modify 1K clips saved with "CLIPPER" or CAV to work with "The PrintWorks" automatically. Previously, the owner of PrintWorks would have to use a configure option in order to use the clip with it, but now he can bypass that method entirely and do all conversions through CAV which is a very simple process.

The second option from the CLIP-ART TOOLS is Print Clips. This option will run through the entire contents of a disk, data pack or ramdisk and print out all the clips onto a dot matrix printer on 8 1/2" x 11" paper, 7 clips across with the filename underneath the clip. Also, built-in is an option to skip the first file on a media which is sometimes a README (documentation) SmartWRITER file. Thanks Walters Software Co. for adding this option!! Once printed, you will have a reference sheet of all the clips on a specific media. The only thing missing from this option is the ability to print out a header at the top of the page, but that can easily be written down.

Back to the main SmartKEY Menu. VIEW CLIPS is the second option from the main menu and choosing this option will give you two further options. VIEW SINGLE will allow you to load and view on clip at a time from the desired drive that the clip media is in. Once the clip is chosen and displayed on the screen, you may print it out on a dot matrix printer (just the clip, no filename) or return to the previous/main menus. AUTO VIEW will run through every clip on the media and display it on the screen one at a time. When using Auto View, you are given five speeds factors (1 to 5) at which CAV will display the clip and move onto displaying the next clip. A speed of five is fast and recommended for use with data drives, a speed of one is recommended for use with disk drives or hard drives. This is just a convenient way in which you may view all the clips on a specific media.

Clip-Art Viewer is a 100% machine code program, which means it operates very fast! Screen redraws of the SmartKEY menus are performed extremely fast so little time is wasted waiting for the program to catch up to the user. When choosing the drive to load from, the program automatically checks to see what drives have a media in it and only those drives containing a media will be available to choose from. Another nice feature is the new catalog file folder which Walters Software Co. has developed. This folder looks just like actual file folders and if you have a media that contains more than one directory block (up to eight is the max on the ADAM), this current directory block will be displayed (catalog 1, catalog 2, etc.). When converting clips from the IBM to the ADAM, all color is lost due to incompatibilities between the two systems, but color can be added later if you own PowerPoint. Owners of the PowerMate Hard Drive should rejoice also, because CAV is already configured to be installed and run from the Hard Drive! Another nice feature is the ability to change the clip that is displayed upon boot-up. This option will allow the end user to customize CAV to their own specification with a custom clip-art file displayed.

Overall, Clip-Art Viewer is yet another much needed and tremendous program developed by Walters Software Co. I only wish I had this a year or two ago when I was releasing two volumes of commercial clip-art and also organizing the clip-art files on PaintMates. The ability to convert IBM clip-art to ADAM clip-art makes this a worthwhile purchase on it's own, although a disk drive on the ADAM and "The ADAM Connection" are required. The manual provided with CAV is very straight forward and easy to follow, so no need to worry about complicated procedures. I didn't even read the manual until I started writing this review, because all options are made through SmartKEY menus (the saving grace of us lazy ADAM users). All I can say is Walters Software Co. does it again, provides ADAMites with a much needed utility that is easy to use and packed with all sorts of features.

HIGHLY RECOMMENDED: A+

VISI-SPRITE V6.5

by FEDERATION SOFTWARE

Reviewed by Jim Notini

VISI-SPRITE V6.5 is the first commercial software release by FEDERATION SOFTWARE, operated by Joe Waters, who has previously released a number of public domain titles including the P.D. VISI-SPRITE V6.0. The Visi-Sprite V6.5 program was designed to facilitate easy use of the incredible power of the Coleco ADAM TMS9918A Video Chip to create and manipulate sprites on the screen. Simply put, a sprite is an object that can be defined and placed anywhere on the ADAM's video screen. A sprite can be any color, and with VISI-SPRITE V6.5, it is even possible to create multi-colored sprites, just like in the Coleco supergame packs! A sprite can be moved anywhere on the screen, without fear of erasing or modifying the background in any way. Before we understood sprites, the typical ADAM home programmer would need to use slow, ungainly shape tables for all of his graphics work. The major flaw with shape tables is that, once plotted over a background picture in HGR, if a shape table were erased, it would erase the background along with it.

Not so with sprites. Unlike their shape-table counterparts in SmartBASIC, sprites do NOT overwrite any background shapes. Plus, sprites can be used in any graphics mode, including the Coleco 32-column text mode! Not only are the sprites easier to define and manipulate than shape tables, they are also much faster. The speed increase is so huge it is unbelievable. And now with the Visi-Sprite V6.5 software, you can create, manipulate, and even animate up to 32 individual sprites, or up to 8 multi-colored sprites! Now you can create Coleco-quality games, and graphic utilities easily and quickly.

Upon boot-up, two titles screens are displayed as the main program loads into memory. Once loaded, the main menu is displayed which allows the user four options: SPRITE EDIT, MASS STORAGE, ERASE SPRITES (will erase all sprites in memory) and QUIT (will exit to SmartWRITER).

Choosing SPRITE EDIT will provide you with the editor SmartKEY menu with options for entering the TOOLBOX, EDIT MODE or FLIP SET.

TOOLBOX gives the user five options: ANIMATE, OVERLAY, NEGATIVE, COPY and LIST DATA and also displays sprites 1-16 or 17-32 on the screen. ANIMATE allows the user to animate any sprite or a range of sprites (from 1-32) to see how it will look when implemented into one's own program. The user also is allowed to enter in the animation speed and the color of the sprites. OVERLAY sprites is used to create multi-colored sprites, up to 4 sprites may be overlaid on top of one another, each capable of being a different color. NEGATIVE allows for the creation of an inverse image of the sprite(s). This is done by reversing the pixels that make up the sprite from on to off and the pixels which were off to on. COPY will allow for the duplication of a sprite or a range of sprites to be made and placed into another section of the sprite table (1-32). LIST DATA will print out the ASCII data of a sprite or range of sprites to a dot matrix printer only. This is a tremendous option since most programmers use the ASCII data of sprites in their programs and then place it into a location in memory with a simple routine.

EDIT presents the user with a 64 x 64 grid which is used to create a sprite along with a SmartKEY menu of options to choose from: GRID, BUFFER, HARDCOPY and SIZE. To create a sprite, all the user has to do is use the ARROW keys to move the on screen cursor around the grid and press the HOME key to plot a pixel or remove a pixel. When the sprite has been drawn, pressing RETURN will place the new sprite into the sprite table at the current position. GRID presents the user with another menu of options: CLEAR GRID, NEGATIVE GRID, LOAD GRID - loads the grid of the sprite being edited, HORIZONTAL FLIP - flips the

current sprite horizontally and VERTICAL FLIP - flips the current sprite vertically. BUFFER allows the user to store one sprite in memory which can not be corrupted or lost until the CLEAR BUFFER option is used or the program ended. This is mainly implemented to transfer a sprite from one file over to another. HARDCOPY allows for the print out on a dot matrix printer of the current sprite being edited, the sprite's ASCII data, or both. SIZE allows for the magnification of a sprite to four times it's normal size and the return to normal size.

FLIP SET simply allows the user to flip between the first 16 sprites in the sprite table and the last 16 sprites. This is the only menu where you can flip the set unfortunately, so you will be making many return trips to this menu.

Choosing MASS STORAGE from the Visi-Sprite V6.5 main menu will present the user with eight further options: CHANGE DRIVE allow the user to select which drive to access (Tape 1 or 2 and Disk 1 or 2); CATALOG will display a catalog of the media currently in the default drive; NAME FILE prompts the user for the name of the file that will be loaded or the name of the file that will be saved; LOAD FILE will load the file that was previously NAMED; SAVE FILE will save the sprites in memory as the filename which was NAMED; DELETE FILE will delete the file which was NAMED; RENAME FILE will allow the user to change the filename of the file which was NAMED to another name; BLOCK LOAD/SAVE is the one feature which sets VISI-SPRITE V6.5 apart from other sprite creation programs.

The main idea behind the creation of the BLOCK LOAD/SAVE option is to allow the user to move, load, and save sprites to be used in Z-80 Machine Language programs. Since each sprite file is 1,024 bytes long (each sprite takes 32 bytes, and there are 32 sprites in all), one sprite file would fit very neatly into a block on a standard ADAM disk or tape. You can load a block from a cartridge game which was copied to disk/tape or even a supergame pack and look at it graphically represented to see if it contains any sprites. This option to load and display a block will take some time in tracking down the correct block which contains the sprites, but once you find the sprite block, you will have up to 32 new sprites which you can use in your own work. You may also edit these sprites with the editor and then save them back to the same block on the disk/tape that they were read from in order to modify a game. For instance, in the game Donkey Kong Jr. you play the baby gorilla and Mario is the bad guy controlled by the computer. If you wanted to have some fun, you could switch these sprites for each character to make Mario the one you play and the baby gorilla the bad guy! Happy hunting with this option, cartridge games which have been saved on disk/tape are fairly easy because they are only between 8 to 32 blocks long, but some of the supergames are well over 128K long!

Overall, VISI-SPRITE V6.5 is a very well thought out sprite development/editor program. There are so many new options that are implemented in VISI-SPRITE V6.5 that if you own other sprite programs (IE: SpriteMaster or SpritePower), this is still a must purchase program for the serious programmer or just to create sprites for use in your PowerPAINT creations. The ability to take sprites right from cartridges copied to disk or tape or even supergames is unheard of and a first for ADAM sprite utilities. Some aspects of it's use could have been simplified like the need to return to the Sprite Edit main menu in order to flip the sprite set between sprites 1-16 and 17-32, but VISI-SPRITE V6.5 gives you the feel and look of a hacker's program. You can also use sprites which are saved with SpritePower as 1K Z-80 files in VISI-SPRITE V6.5. Included with your purchase is an 18 page manual covering all aspects of using V-S V6.5. Also, if you are not sure that VISI-SPRITE V6.5 is the program for you, a CRIPPLEWARE version has been placed into the public domain, VISI-SPRITE V6.0, that will allow for some hands on use before actually buying the commercial copyrighted V6.5.

HIGHLY RECOMMENDED: A

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 - 5 1/4" 320K DOUBLE-SIDED DISK DRIVE\$109.95
 - 3 1/2" 720K QUAD-SIDED DISK DRIVE.....\$129.95
- Send in your Coleco Single-Sided Disk Drive to be upgraded to either a 5 1/4" 320K or 3 1/2" 720K Disk Drive. Don't send power supply. Repair charge for defective drives. Send payment to NIAD, drive to: E&T Software - 1010 Westminster - Garland, TX 75040 - (214) 414-8156.
- **DATA PACK CONVERSION to DISK FORMAT** \$4.00
Send in your title card from your Coleco data pack to be converted to disk. Titles which can be converted are: Buck Rodgers, Donkey Kong, Donkey Kong Jr., Dragon's Lair, Zaxxon, Recipe Filer, 2010: The Text Adventure, Richard Scarry's Best Electronic Workbook Ever (320K or 720K disk only) and The Best of B.C.

- **SmartFILER UPGRADE to VERSION 27D**..... \$4.00
Send in your SmartFILER Disk or DDP to be upgraded to the latest version 27D which fixes many of the known bugs.
- **INFOCOM CONVERSION to ADAM CP/M FORMAT**\$4.00
Send in your INFOCOM titles to be converted to an ADAM CP/M format. Inform us whether to overwrite the original or to place the ADAM CP/M version on a separate Disk or DDP. The listed INFOCOM titles can be purchased at most computer stores in your area. We can convert: Zork I, II & III, Planetfall, Deadline, Starcross, HitchHiker's Guide to the Galaxy, Leather Goddess' of Phobos, Stationfall, Plundered Hearts, Seastalker and Ballyhoo.
- **ADAMCON 01 VHS VIDEO**..... \$19.95
2 hour video tape covering product demos and seminars that were held at the ADAM Convention in Orlando, Florida - Oct. 7-11, 1989.

EXPANSION MODULES

- **EXPANSION MODULE #1 ATARI 2600 ADAPTER**..... \$39.95
Plugs into the front expansion slot on the Colecovision or the right side expansion slot on the ADAM Memory Console and allows for the use of ATARI 2600 compatible games on the Coleco/ADAM system. No additional hardware required. ATARI 2600 games are still available through numerous game stores.
- **EXPANSION MODULE #2 DRIVING CONTROLLER**..... \$39.95
Steering wheel with gas pedal controller for use on the ADAM or Colecovision. Comes with a free TURBO cartridge and manuals.
- **ROLLER CONTROLLER**.....\$39.95
Trackball with two joysticks slots to create a control center for use on ADAM or Coleco. Comes with a free SLITHER cartridge and manuals.
- **SUPER ACTION CONTROLLERS**..... \$39.95
The ultimate in joysticks. Comes with 2 arcade style joysticks with 12 button keypad, 4 firebuttons, free SUPER ACTION BASEBALL cartridge and manuals.

MANUALS & BOOKS

- **NIAD PRODUCT REVIEW BOOK**..... \$19.95
Contains detailed reviews of over 100 ADAM products previously printed in NIAD Newsletter through 1987. Save money by knowing about products before purchasing them.
- **PUBLIC DOMAIN REVIEW BOOK**.....\$5.00
Booklet contains descriptions of all the programs in the SmartBASIC (vol. 1-33), SmartBASIC Utilities (vol. 1-2) and SmartLOGO (vol. 1-5) public domain libraries.
- **BASIC BASIC PROGRAMS FOR THE ADAM** \$8.25
A treasury of practical and entertaining programs that take full advantage of ADAM's sound, color, and graphics. Includes full program listings, illustrations and explanatory notes. Perfect for the SmartBASIC newcomer and to supplement Coleco's SmartBASIC Manual.
- **HACKER'S GUIDE TO ADAM VOL. I**.....\$11.95
Detailed look at the operation of the ADAM hardware and software. Operating system routines are identified and instructions given to control the data and disk drives, printer, video, sound and keyboard. Numerous utility programs are included.
- **HACKER'S GUIDE TO ADAM VOL. II**.....\$11.95
Continues from VOL. 1 plus new material: Basic overview, zero page, keywords, math routines, basic commands, screen and data/disk drive routines, schematics, etc. A must for the serious SmartBASIC programmer. Numerous utility programs are included.
- **HACKER'S GUIDE VOL. 1 & 2 PROGRAMS** (Disk or DDP)\$5.00
Contains all the programs listed in the Hacker's Guide books all ready to use in SmartBASIC V1.0. Save yourself countless hours typing.
- **FROM BASICS TO BASIC**\$15.00
A beginners look at computers. The first step in moving from SmartBASIC programming to machine language. Contains detailed overviews of the systems used in the computer and why they are required. When the reader has completed, machine language programming will be possible. Numerous machine code listings.

- **LEARNING TO READ WITH ADAM (Z-80)**..... \$25.00
A discussion of machine language instructions, some specifically, and a great many generally, as the author develops the disassemblies of all that transpires after the reset button is activated. Promotes the direct use of routines in the ADAM's Operatin System.
- **MacADAM MANUAL** \$19.95
An enlightening 72 page manual that aids the user of the public domain title MacADAM with simple, step-by-step, methods of programming macros. Numerous assembly language routines listed.
- **MacADAM DEMO FILES** (Disk or DDP) \$5.00
Contains a number of demo files for use with MacADAM and also for use in SmartBASIC to further demonstrate what can be done with MacADAM.
- **ACCESSING VRAM** \$12.95
A detailed explanation of the Video Display Processor (VRAM) covering 15 pages which explains how to setup the two most used graphics modes. Numerous SmartBASIC and Z-80 code listings.
- **LEARNING TO WRITE WITH ADAM (Z-80)** (Disk or DDP) . \$25.00
Assumes the reader has some knowledge with Z-80 machine language. Discusses the manner in which a write to media operations is performed, memory mapped ports versus standard IN/OUT ports, device control blocks (DCB's), creation of a new routine to replace the EOS WRITE_BLOCK is generated, mass storage, Master 6801 processor and much more. Comes with outstanding SmartBASIC demo programs.

MISCELLANEOUS SUPPLIES

- ADAM DIABLO HYTYPE I FILM RIBBON..... \$4.95
- PANASONIC KX-P110i RIBBON for KX-P1080/1091 \$9.95
- GENERIC PANASONIC RIBBON for KX-P1080/1091\$5.95
- PANASONIC KX-P115i RIBBON for KX-P1180/1190 \$12.95
- ADAM PRINT WHEEL..... \$6.55
Specify font style for ADAM Printer: GOTHIC 12, SCRIPT 12, ELITE 12, EMPHASIS/ORATOR, COURIER 10 OR PICA 10
- DIGITAL DATA DRIVE HEAD CLEANING KIT.....\$.50
- 5 1/4" DISK DRIVE HEAD CLEANING KIT..... \$5.95
- 3 1/2" DISK DRIVE HEAD CLEANING KIT \$5.95
- ADAM PRINTER DUST COVER \$8.95
- ADAM KEYBOARD DUST COVER..... \$7.95
- ADAM COMPLETE MEMORY CONSOLE DUST COVER..... \$8.95
- ADAM EXP. MOD. #3 MEMORY CONSOLE DUST COVER.... \$8.95
- ADAM 5 1/4" OR 3 1/2" DISK DRIVE DUST COVER \$8.95
- 5 1/4" DISK STORAGE CASE (HOLDS 70)..... \$7.95
- 3 1/2" DISK STORAGE CASE (HOLDS 50)..... \$7.95

DISKS & DATA PACKS

- 256K NIAD ECONOMY DIGITAL DATA PACK..... \$2.00
- 10 256K NIAD ECONOMY DIGITAL DATA PACKS \$19.00
- 256K RIGHT DIRECTORY DIGITAL DATA PACK \$1.00
- 10 256K RIGHT DIRECTORY DIGITAL DATA PACKS \$9.00
- 50 5 1/4" DS/DD GENERIC DISKS with SLEEVES, TABS \$19.95
- 25 3 1/2" DS/DD 720K GENERIC DISKS..... \$19.95

N.I.A.D. BACKISSUES

- **N.I.A.D. NEWSLETTER BACKISSUES**..... \$3.00
N.I.A.D. Newsletter Issues # 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 19, 20, 23, 42 and 55.
- **N.I.A.D. NEWSLETTER BACKISSUES**..... \$1.50
All other issues besides the ones listed above.

ENTERTAINMENT

ABOMINABLE SNOWMAN, THE	\$13.95
ACTIVISION'S DECATHLON	\$18.95
ADAM BOMB (64K)	\$19.95
ADDICTUS	\$17.95
AFL FOOTBALL	\$14.95
ALCAZAR	\$18.95
AQUATTACK	\$17.95
BEYOND TREK (64K)	\$15.95
BIBLE JEOPARDY	\$14.95
BLACK GOLD	\$15.95
BLOCKADE RUNNER	\$15.95
BOULDER DASH	\$18.95
BRAINSTORM	\$16.95
CENTIPEDE (CART)	\$9.95
CHESS CHAMP (64K)	\$15.95
DEFENDER (CART & DDP)	\$9.95
DIABLO	\$15.95
DINOSAUR DIG (64K)	\$16.95
DRAGON: THE CHINESE CHALLENGE	\$17.95
DUNGEONS & DRAGONS I	\$19.95
DUNGEONS & DRAGONS II	\$19.95
ELECTRONIC GAME PACK I	\$17.95
ELECTRONIC GAME PACK II	\$17.95
FAMILY FEUD QUESTION PACK	\$14.95
FATHOM	\$18.95
GHOST ZAPPER (64K)	\$11.95
H.E.R.O.	\$16.95
HEIST, THE (CART)	\$18.95
JEOPARDY QUESTION PACK	\$14.95
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KID'S TRIVIAPAK I	\$12.95
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MR. T SEARCH: GAMEPAK I	\$9.95
MR. T SEARCH: TRIVIA SEARCH	\$7.95
MYSTERY	\$14.95
NIAD GOLD: GAMES	\$9.95
NIAD GOLD: TEXT ADVENTURES	\$9.95
NOVA BLAST (CART)	\$18.95
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PHRASE PAK I	\$9.95
PHRASE PAK II	\$9.95
PITFALL	\$17.95
PITFALL II	\$17.95
PITY	\$18.95
PRO FOOTBALL	\$18.95
PRO GOLF CHAMP	\$14.95
REEDY ENTERTAINMENT PACK	\$13.95
REEDY SOFTWARE LIBRARY	\$17.95
RIVER RAID	\$17.95
ROCK'N BOLT	\$18.95
SEWER SAM	\$17.95
SMARTGAMES PACK	\$9.95
SQUISH'EM SAM	\$18.95
STAGE FRIGHT	\$13.95
STATES RACE	\$9.95
STOCK MARKET GAME	\$15.95
STRATOZAP	\$16.95
SUB RAIDERS (DDP)	\$22.95
SUPER PARROT	\$12.95

SUPER ZAXXON (DDP)	\$9.95
TEMPLE OF THE SNOW DRAGON	\$21.95
TOURNAMENT TENNIS	\$18.95
TRIVIAPAK I	\$12.95
U-MATCH-EM	\$12.95
VASE OF TURR, THE	\$29.95
WING WAR	\$18.95
WIZARD'S PINBALL ARCADE	\$14.95
ZORAN III	\$13.95

CONSTRUCTION SETS

FAMILY FEUD WRITER	\$19.95
JEOPARDY WRITER	\$19.95
LINKBUILDER	\$19.95
MAGE QUEST CONSTRUCTION SET	\$13.95
PHRASE PAK CONSTRUCTION SET	\$9.95

EDUCATIONAL

ADAM TUTOR, THE	\$9.95
AMERICA AT WAR (DDP)	\$9.95
BEST ELEC. WORDBOOK EVER (DDP)	\$15.95
CABBAGE PATCH: PIC SHOW (CART)	\$18.95
CHESS TUTOR #1	\$9.95
CHESS TUTOR #2	\$9.95
DANCE FANTASY (CART)	\$9.95
EASY AS A,B,C & 1,2,3	\$11.95
EL ESPANOL	\$15.95
EXPERTYPE (DDP)	\$9.95
FRANCAIS POUR LES CHIC	\$15.95
GREAT INVENTIONS GAME (DDP)	\$9.95
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MATH MENTOR	\$15.95
NIAD GOLD: SCIENCE & EDUCATION	\$9.95
ROYAL AMBASSADOR EDUC. PACK	\$9.95
SCHOOL DAZE	\$16.95
SMARTBASIC CONSTRUCTION KIT	\$12.95
WORLD CAPITALS (DDP)	\$9.95

MEDIA UTILITIES

ADAM CONNECTION, THE (IBM DISK)	\$24.95
ADAMCALC DOT MATRIX PATCH	\$9.95
ADAMLINK II DOT MATRIX PATCH	\$9.95
AUTOBACKUP (64K)	\$17.95
BACKUP 3.0 (DISK)	\$10.95
BASIC SYSTEM MGR 3.0/FASTRUN	\$18.95
COPYCART+ V2.0 (DISK)	\$19.95
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FILE MANAGER V2.0	\$17.95
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NIAD GOLD: UTILITIES	\$9.95
PrBOOT	\$17.95
OPENFILER V3.0 with OPENRECIPE	\$14.95
RAMBOOT (64K)	\$19.95
SMARTDSK I for SmartWRITER	\$18.95
SMARTDSK II for DEVICE #2 (64K)	\$16.95
SMARTDSK III for BASIC 1 & 2	\$24.95
SMARTDSK CARTRIDGE (64K)	\$29.95

HOME / BUSINESS

ADAMCALC (DDP)	\$15.95
BUSINESS PACK I	\$18.95
EASY COME, EASY GO	\$19.95
FILE PRINTER	\$14.95
INVOICER II (64K)	\$19.95
MISSPELLER for SPELLINGAID	\$18.95
NIAD GOLD: HOME & BUSINESS	\$9.95
SMARTFILER (DDP)	\$9.95
SOFTPACK I	\$18.95
SPEEDYWRITE V2.0	\$39.95
SPEEDYWRITE SPELL (64K)	\$24.95
SPELLINGAID	\$26.95

PRODUCTIVITY

ADAMLINK III+	\$24.95
ADAMLINK III UPGRADE TO III+	\$5.00
ADAMTALK V1.1 (EVE SS-CC)	\$19.95
ADDRESS BOOK / CALENDAR	\$9.95
AUTOWRITER	\$14.95
BASEBALL STATISTICIAN, THE	\$12.95
BASICAID V2.0	\$9.95
BORDERSPLUS for PRINT WORKS	\$12.95
CLIP-ART VIEWER	\$24.95
E.O.S. FILE INDEXER	\$9.95
ELECT. FLASHCARD MAKER (DDP)	\$9.95
FLASH FACTS: HISTORY (DDP)	\$6.95
FLASH FACTS: VOCABULATOR (DDP)	\$6.95
FONTPOWER	\$14.95
LABEL WORKS, THE	\$24.95
MR. T LIBRARY	\$10.95
PERSONAL CALENDAR UTILITY (64K)	\$19.95
PRINT WORKS, THE	\$27.95
RECIPE FILER (DDP)	\$9.05
SMARTBASIC CART	\$29.95
SMARTLETTERS & FORMS (DDP)	\$9.95
SMARTLOGO (DDP)	\$15.95
SMARTTERM V1.02	\$15.95
SPRITEPOWER	\$15.95
SUPERBASIC PLUS	\$9.95
SWIFT'S LABEL PRINTSHOP (64K)	\$19.95
VIDEOTUNES	\$21.95
VISI-SPRITE V6.5	\$22.95

GRAPHIC DESIGN

CLIPPER	\$15.95
CLIP-ART VOLUME I	\$12.95
CLIP-ART VOLUME II	\$12.95
COLECO GRAPHICS PROCESS. CART	\$29.95
GRAPHIXPAINTER	\$19.95
GRAPHIXPIX I	\$14.95
GROOVY GRAPHICS	\$14.95
HAPPY CLIPS VOL. 1 TO 10 (Each vol.)	\$10.95
M&M GRAPHICS	\$9.95
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PAINT PALETTE	\$9.95
POWERPAINT (64K)	\$29.95
POWERPRINTS VOLUME I	\$11.95
POWERTOOLS	\$12.95
SMILEY FACE: WHAT AN ATTITUDE!	\$9.95
SNAPSHOTS VOL. I	\$10.95
SNAPSHOTS VOL. II	\$10.95
SWIFTPRINT (64K)	\$15.95

\$4.00
DISK

N.I.A.D. PUBLIC DOMAIN SOFTWARE

PLEASE NOTE: Specify VOLUME #, TITLE and DISK OR DDP

\$6.00
DDP

MISCELLANEOUS VOLUMES

- SMARTBASIC BNDV # 1 - 36:** 36 different volumes containing assorted SMARTBASIC entertainment, application, graphics, patch, utilities and other misc. programs. Most volumes are auto-booting and contain SmartWriter documentation.
- SMARTBASIC UTILITIES UNDVD # 1 - 2:** 2 different volumes containing SMARTBASIC utility programs such as file copiers, backup utilities, patches and other misc. programs. Volumes are auto-booting and contain SmartWriter documentation.
- SMARTLOGO UNDVD # 1 - 5:** 5 different volumes containing SmartLogo entertainment, application, graphics, utilities, patches and other misc. programs. Volumes require the user boot SmartLogo first, contain SmartWriter documentation.
- ADAMCALC UNDVD # 1 - 4:** 4 different volumes containing ADAMCALC spreadsheet formulas, tutorials and demonstrations. All volumes require the user to boot ADAMCALC first and contain SmartWriter documentation.
- CP/M 2.2 CNDV # 1 - 54:** 54 different volumes containing CP/M 2.2 utilities, games, interpreters, patches, compilers, word processors and other misc. programs. Volumes require the user boot CP/M 2.2 first, most programs contain documentation.
- CPD SIGNS UNDVD # 1 - 2:** 2 different volumes containing SIGNSHOP/NEWSMAKER graphic files for use with these programs by Strategic Software. Volumes require the user boot SIGNSHOP/NEWSMAKER first and contain SmartWriter documentation.
- PINBALL GAMES FNVD # 1 - 7:** 7 different volumes containing Pinball Construction Set pinball games which were designed with this public domain program by Coleco. Each volume is auto-booting and contains SmartWriter documentation.
- VIDEOTUNES SONGS UNVD # 1 - 3:** 3 different volumes containing many assorted song files each that are for use with Videotunes by FutureVision. Each volume requires the user to boot Videotunes, then load the song file.
- SOLO-ADVENTURE PACK VOL. # 2 - 3:** 2 different volumes of Solo Adventures for use with Mage Quest by Reedy Software. Each volume requires the user to boot Mage Quest first and contain SmartWriter documentation.
- CP/M FRONT LINE DEMO:** A Coleco In-House demo of the newer completed supergame version of the Colecovision cartridge Front Line. Program is auto-booting and runs through two very detailed demo screens of the supergame with sound.
- NIAD BACKISSUE INDEX:** SmartWriter database detailing the contents of past NIAD Newsletters through 1987. Requires that the user boot SmartWriter first and then follow the SmartWriter instruction manual in order to load the database.
- DUKKS MINI-REVIEWS:** SmartWriter database with mini-reviews of hundreds of software and hardware products. Requires that the user boot SmartWriter first and then follow the included instruction sheet on how to access the database's contents.
- ADAM SUPPORT DIRECTORY:** SmartWriter database containing names, addresses, etc. of ADAM support firms and user groups by Hector Sanchez. Requires the user boot SmartWriter and then follow the SmartWriter instruction manual.
- FLASH FACTS: MUSIC STUDIES:** Eight flashcard files for use with the Electronic Flashcard Maker by Coleco dealing exclusively with music theory. Requires the user boot E.F.M. by Coleco first and contains SmartWriter documentation.
- COLECO PRESENTS: SOFTWARE:** Coleco self-booting database program containing lists of planned Coleco software and cartridges for the ADAM and Colecovision. DDP ONLY.

GRAPHICS VOLUMES

- FILE PICS VOL. # 1 - 4:** 4 different volumes of FILE picture files which can be viewed in SmartBASIC V1.0 with the included Cbpic/FAST program or in PowerPaint. Also contains SmartWriter documentation.
- BREEDY ART GALLERY VOL. # 1 - 2:** 2 different volumes of 13 SmartPaint format picture files to be viewed in SmartBASIC V1.0 with the included loader program or in PowerPaint and other programs which support the SmartPaint format.
- CN & B PIX VOL. # 1 - 29:** 29 different volumes of 13 SmartPaint format picture files to be viewed or edited in PowerPaint, Showoff 1 and other programs which support the SmartPaint format.
- PAINTMASTERS VOL. # 1 - 13:** 13 different volumes of clip-art, sprite and font files for use with PowerPaint, SpritePower and CLIPPER by Digital Express. The Print Works or The Label Works by Walters Software Co. and other assorted programs.
- PAINTFORMS VOL. # 1 - 4:** 4 different volumes of assorted letterheads, labels, font files and miscellaneous graphic files for use with PowerPaint by Digital Express.
- D.G.P. PIX VOL. # 1 - 3:** 3 different volumes of picture files for use with the Coleco Graphics Processor. All pictures are taken from Coleco / ADAM programs and cars through the use of the cartridge version of The Coleco Graphics Processor.

ENTERTAINMENT VOLUMES

DISPER BUCK RODGERS: This is the supergame which comes with the ADAM Computer and is offered here for replacement in the case of damage to your original.

- CPINBALL CON. SET / HARD HAT MACK (Best of Electronic Arts):** Coleco supergame pack contains two great games in one package. New bug free version w/ 2 demo pinball games and an instruction sheet. Add \$2.00 for 40 page manual.
- SUPER SUB-ROO:** Coleco supergame pack version of the Sub-Roc cartridge. This is a tremendous 3-D arcade action game with great graphics and a Hall of Fame option as well as an instruction sheet.
- TROLL'S TALE:** Coleco supergame pack originally developed by Sirius Software. This is a children's adventure game with good graphics and offers a strong challenge as well as an instruction sheet.
- JLEOPARDY:** Coleco supergame pack of the popular television game show. Fabulous game with great graphics, multi-player ability, load / save games and a Hall of Fame option as well as an instruction sheet.
- CABBAGE PATCH KIDS: ADV. IN THE PARK:** Enhanced version of the popular Colecovision cartridge of the same name, but with better graphics and added obstacles to be avoided by the game(s).
- ITEMPLE OF APHAI:** Revision 2: Epyx supergame pack which was never released. This is a role playing adventure with graphics and some arcade sequences. Disk and DDP not compatible. Comes with instruction sheet.
- FALL GUY / VIDEO HUSTLER:** Unreleased cartridges on disk or ddp which were developed by Fox Games. Fall Guy is a combo driving simulation and arcade game. Video Hustler is a video pool game. Contains SmartWriter documentation.
- YOKE'S ON YOU / MATH WIZ:** Cars which were developed by Fox Games & Sierra. Play the role of a rooster in helping the chicken collect her eggs and a tremendous math skills arcade builder for ages 4-up. Comes with instruction sheet.
- VA-GHES (BARON):** Great graphic chess game which was developed in CP/M and modified by Chris Braymen. Comes on an auto-booting media and includes documentation on how to use.
- SCREEN DONKEY KONG JR.:** Coleco's In-House version of Super Donkey Kong Jr. with an additional 5th play level. MARCOS BAKERY (arcade version doesn't even have this level). This version automatically runs through all screens.
- M.A.S.H. / SUPER COBRA:** Unreleased cartridge game developed by Fox Games. Two arcade sequels: pick-up the wounded soldiers in the field and then remove straitjail in the operating room and a helicopter arcade action game by Parker Brothers in which you must destroy the enemy ground installations. Comes with SmartWriter documentation.
- MEMORY MANOR / WORD FEUD:** Children's game by Fisher. Price tests the memory capacities of your child. Good graphics and sound and unreleased cartridge by Xerox in which you race against an opponent to find words hidden in the game board. Contains SmartWriter documentation.
- GHESSE SOLITAIRE:** Great graphics version of chess where you try to guess the moves of the masters (15 different classic games are included). Also contains a second game, Knight's Tour, and documentation in program.
- CARTILLEY DUEL / TOMARK: THE BARBARIAN:** Unreleased cartridges by Xerox. Bomb your opponents quarry position before he bombs yours. Good graphics and sound and save your girlfriend from the cave-man before your strength runs out! Contains SmartWriter documentation.
- COLOSSAL CAVE:** Enormous text adventure program which was the fore-runner to the line of Infocom text adventures known as ZORK.
- SUPER DAM BUSTER:** Supergame version of the cartridge with added screens and Hall of Fame. The only flight simulator available for ADAM and one of the best games ever made. Are you good enough to defeat the NAZI forecast DISK ONLY.
- THE BEST OF B.C.:** A two supergame pack with B.C.'S QUEST FOR THIES and B.C. II: GROSS RENEWAL developed by Coleco of Canada. Help Thor past obstacles to find Cuis Chick and then help Thor to find the Meaning of Life.

UTILITY VOLUMES

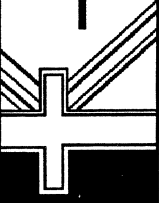
- DEOS DISK MANAGER:** Coleco utility program which was supplied with the 5 1/4" 160K Disk Drive. Also, contains the most current Coleco EGS Revision, Rev. 7.
- DISPED CHECK V2.0:** Enhanced Coleco digital data drive test program to assure proper speed operation of drives for best read / write performance. Best results will occur by purchasing disk from us instead of ddp and then copying over to ddp.
- DADM UTILITIES:** Coleco In-House utilities, test and demo programs contained on an auto-booting media. Memory expander required for some of the system testers. Also, includes Adam Diagnostic and an instruction sheet.
- MACADAM:** Z80 / EGS Assembler written in machine code for the Intermediate to advanced machine code programmer. Contains a 20 page manual in SmartWriter format.
- STRATEGIC SOFTWARE PATCHES:** SmartBASIC V1.0 programs for patching Strategic Software's SIGNSHOP, NEWSMAKER, MULTIWRITE, etc. programs for use with dot matrix printers. Some major enhancements are made to the MULTIWRITE Word Processor. Contains SmartWriter documentation.
- COLECO GAME COPY:** Coleco In-House cartridge copy utility as well as a media

- backup utility roled into one program. Will copy most of the available cartridges.
- SHAPEMAKER:** Great SmartBASIC V1.0 utilities for creating shapes and placing text on the HGR or HGR2 screen. Shapes created can be used in PowerPaint. Contains SmartWriter documentation.
- OMEDIA MATE:** Three tremendous utility programs for editing data packs and disks in SmartBASIC V1.0. Contains Informative SmartWriter documentation.
- QUICKCOPY V3.0:** Excellent machine code copy program (block and file) with additional ramdrive and ramcopy software. Compatible with all memory expanders and disk drive sizes. Contains a 37 page manual in SmartWriter format.
- COLECO IN-HOUSE PROGRAMS:** Six separate programs: three diagnostic programs along with the Tunnel'n Trois, ADAM and Music demos.

PRODUCTIVITY VOLUMES

- ADAMLINK II:** Coleco's advanced telecommunications software with all the features of ADAMLINK I and the added ability to up and download ASCII files. Comes with addendum instruction sheets to the ADAMLINK I manual.
- MARKET MONITOR:** Coleco of Canada management system program for the personal investor. Not totally bug free. Contains SmartWriter documentation.
- TAX PLANNER:** Coleco of Canada business software which will create a clearer and more complete picture of your tax situation. Contains SmartWriter documentation.
- DISI-SPRITE V6.0:** Advanced sprite development package with many powerful built-in features. This is the cribleware version of the copyrightable version 6.5 and is made available for demo purposes and a chance to test out before buying V6.5.
- DAVINCI:** Great graphic design utility from France using a point-and-click method of operation along with a SmartBASIC V1.0 utility to convert DAVINCI files into GraphPainter files. Contains SmartWriter documentation. DISK ONLY.
- EX-10 CONTROL SOFTWARE:** Home appliances control / security system software. Requires a Serial Interface, Serial Cable and the X-10 Hardware. Contains SmartWriter documentation.
- COLECO GRAPHICS PROCESSOR:** Coleco's graphic design utility used to create graphics for cartridges and supergames. Now, on an EGS media. Instructions are provided on the program as well as a picture file conversion program. Requires a memory expander. Cartridge version is available for \$29.95.
- DDDS V4.5:** Super enhanced version of CP/M 2.2 which operates much like MSDOS. Adds many new features to make it an easier system to work with. Includes all utilities mentioned in the manual. Add \$4.00 for 31 page manual.
- SMARTBASIC V1.0:** Coleco's original SmartBASIC which came with the ADAM. This is available for replacement on DD/PP/DISK and has been enhanced for disk owners.
- SMARTBASIC V2.0:** Coleco's expanded/enhanced version of SmartBASIC V1.0 (48K versus 28K) with memory expander access, but is not fully compatible with V1.0. Contains SmartWriter documentation.
- FRENCH BASIC:** Great modification of SmartBASIC V1.0 with demo. Must have version for the serious programmer that includes 10 new commands for using sprites, windows, easy color changes, etc.
- SMARTBASIC V2.1:** Nice modification of SmartBASIC V2.0 that adds macros for string inputs, formatter and backup programs. Contains SmartWriter documentation.
- SMARTBASIC V2.0 40 COLUMN:** 40 column text version of SmartBASIC V2.0 which works in STDMEM or EXTREM modes. No longer do you have to bother with a non-standard 31 column screen. Contains SmartWriter documentation.
- NAUSTANDARD SmartBASIC:** Enhanced SmartBASIC V1.0 with SmartKEY display of some of the most often used SmartBASIC commands (ie: RUN, LIST, SAVE, etc).
- ADAM FORTH V1.1:** ADAM compatible version of this popular programming language. Comes with a number of programs on media and instruction sheet.
- COLECO PERSONAL CP/M:** Coleco's In-House version which evolved into CP/M 2.2. Media available for collectors and as an easy way to test the ADAM components. Comes with instruction sheet.
- TRACKER:** Allows for the tracking of Hurricanes in the Gulf Coast area. Enter 14 X, Y coordinates and then save them as a file or view the hurricane in action on the high-resolution map of the area. Includes SmartWriter documentation file.

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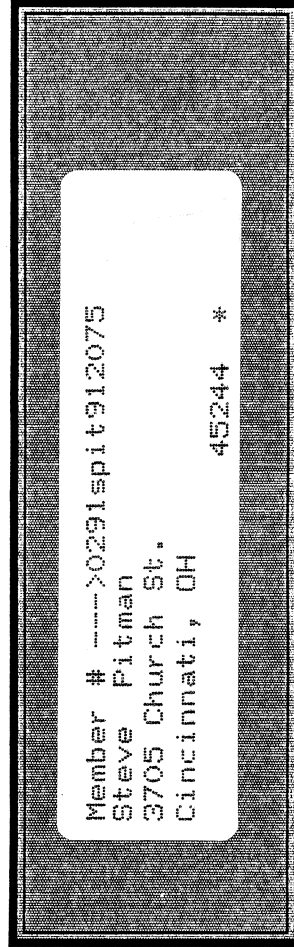
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" For GOD so loved the World that he gave his one and only SON, that whoever believes in him shall not perish, but have eternal life. For GOD did not send his SON to condemn the World, but to save the World through him. " . . . John 3:16

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