# FROM THE EDITOR'S DESK

## by Jim Notini

Well, I am a little late in getting this issue to you this month. But I do have a good explanation! Ever year I seem to catch two really bad colds (one at the beginning of the year and one towards the end) and this year has been no different as I came down with a respiratory virus that knocked me out of commission for over two weeks at the end of October. As I am sure many of you know, it is near impossible to try and concentrate on the computer screen when you are sick especially when it is jumping around on you. Anyhow, I am almost back to normal know as you can see by this newsletter. It was a nice little break that has served me very well as you will see by the sure content of this newsletter. This is easily my best effort this year, one that I hope I will be able to top for the November issue, and I would like to thank all those who have contributed this month with articles.

A number of people have been inquiring of late as to the status of Lyle Marschand with N.I.A.D. Rest assured, Lyle is still involved very much in N.I.A.D. since he is still the owner. We have worked out a very unique arrangement between the two of us to insure the continuing existence of N.I.A.D. (he as owner and myself as operator). Lyle is still very much concerned as to the success of the ADAM Computer and will continue to be there for myself and you, our members. He also would like to say HI to everyone.

As I hope everyone knows by now, back in June we moved N.I.A.D. to my house where it has been operated ever since. The one and only valid address for N.I.A.D. is the one that you see at the top of this page. The old P.O. Box 1317 address was kept open for four months afterward to insure enough time for everyone to get the new address information and now it has been closed for good. So please remember to send all correspondence, product returns, contributions, newsletters, etc. to the 8125 W. Catherine Ave. address in Chicago. If you do not, it will end up being returned to you by your friendly postal service and you will have to re-mail it.

As we near the Christmas season once again (the eighth for N.I.A.D.) we are once again offering a tremendous array of specials dependent on your order size for you to take advantage of. You will find complete details in this issue on page four. Please abide by the rules laid out and there will be no problems or delays in filling your orders. This is a very special time of the year that is approaching and we would hate to have any kind of misunderstandings take place. Most of you have been around for a number of years and know the routine but if you have any questions please feel free to call me to discuss matters.

One area of ADAM software that has been a bit of a disappointment to me over the last couple of months has been sales of public domain software. It seems like there has been very little interest in what we have to offer at the price of next to nothing. There is a tremendous amount of high quality software which we have available in our public domain library which even exceeds the quality of some of the commercially copyrighted titles available for the ADAM. Take advantage of this low price software as there is something for everyone.

If you are looking for entertainment volumes there are unreleased Coleco supergames and cartridges available such as: Super Donkey Kong Jr. 5-Screen, Super Sub-Roc, The Best of Electronic Arts, Jeopardy, etc. If you are into utilities we have available system diagnostics, cartridge copies, media and file copiers, etc. If you are into productivity we have a baseball statistician, a graphics design program, hurricane tracker, etc. If your forte is CP/M 2.2 we have probably the largest library of CP/M compatible programs available in our library with sixty different volumes available along with a four disk set of everyone's favorite CP/M 2.2 replacement system known as TDOS V4.59. For graphics lovers we have over seventy volumes of graphics for use with everyone's favorite graphics design program, PowerPAINT. And for a real potpourri of programs check out the Miscellaneous Volumes listing on page 22 which offers hundreds of SmartBASIC, SmartLOGO, MIDI, Pinball Games, and VideoTunes volumes. A little bit of everything for everyone so to speak.

Until later on this month...

### KEEP ON ADAMing!

CONTRIBUTORS: A.N.N., BARRY WILSON, DAVID SANDS, THOMAS KEENE, GUY COUSINEAU, SCOTT GORDON, RON MITCHELL, BART LYNCH, DOUG ROSENVINGE and DALE MILLARD.

# N.I.A.D. SPECIALS
## MEMBERS ONLY - LIMITED SUPPLIES - PHONE ORDERS ONLY

## ADAM BOOKS & MANUALS

| | WAS | NOW |
|---|---|---|
| ● THE ADAM SURVIVAL GUIDE by A.N.N. | $24.95 | $17.95 |
| ● BASIC PROGRAMMING TUTORIAL by Adam's House | $14.95 | $8.95 |
| ● FROM BASICS TO BASIC WITH ADAM by Mel Ostler | $19.95 | $12.95 |
| ● HACKER'S GUIDE TO ADAM VOL. I by Hinkle Public. | $11.95 | $7.95 |
| ● HACKER'S GUIDE TO ADAM VOL. II by Hinkle Public. | $11.95 | $7.95 |
| ● LEARNING TO READ WITH ADAM by Mel Ostler | $24.95 | $15.95 |

## ADAM HARDWARE

| | | |
|---|---|---|
| ● ADAM KEYBOARD | $24.95 | $14.95 |
| ● ADAM PRINTER POWER SUPPLY | $49.95 | $29.95 |
| ● ADAMLINK 300 BAUD INTERNAL MODEM | $49.95 | $34.95 |
| ● ROLLER CONTROLLER WITH SLITHER CART | $44.95 | $29.95 |

## ADAM SOFTWARE

| | | |
|---|---|---|
| ● ADAM'S DESK TOP by Walters Software Co. | $39.95 | $34.95 |
| ● ADAM'S TOOLKIT by Walters Software Co. | $24.95 | $14.95 |
| ● ADAMCALC by Coleco Electronics | $29.95 | $19.95 |
| ● BOLD GLORY by Eyezod Graphics | $16.95 | $11.95 |
| ● DRAGON'S LAIR by Coleco Electronics | $16.95 | $9.95 |
| ● IBM CLIP-ART FOR ADAM by Maine ADAM Library | $14.95 | $9.95 |
| ● INVOICER III by ADAM's House | $19.95 | $12.95 |
| ● LABEL WORKS by Walters Software Co. | $24.95 | $14.95 |
| ● PERSONAL CALENDAR UTILITY by Phoenix 2000 | $19.95 | $14.95 |
| ● POWERTOOLS by Eyezod Graphics | $16.95 | $11.95 |
| ● SPEEDYWRITE SPELL by White Co. | $24.95 | $17.95 |
| ● SWIFT LABEL PRINTSHOP by Phoenix 2000 | $19.95 | $14.95 |
| ● TAX HELPER 1991 by Gary Hoosier Software | $19.95 | $9.95 |
| ● TEMPLE OF THE SNOW DRAGON by Digital Adven. | $19.95 | $16.95 |

## MICRO INNOVATIONS SPECIALS

### FLOPPY & HARD DISK DRIVES

| | |
|---|---|
| ● M.I. 3 1/2" 720K ADAMnet FLOPPY DISK DRIVE | $229.95 |
| ● M.I. 3 1/2" 1.44Mb ADAMnet FLOPPY DISK DRIVE | $269.95 |
| ● M.I. PowerMATE L/C 20Mb HARD DISK DRIVE | $269.95 |
| ● M.I. PowerMATE L/C 40Mb HARD DISK DRIVE | $359.95 |
| ● M.I. PowerMATE H/P 20Mb HARD DISK DRIVE | $309.95 |
| ● M.I. PowerMATE H/P 40Mb HARD DISK DRIVE | $449.95 |

## ADAM HOME AUTOMATION SPECIAL

N.I.A.D. has available one ADAM HOME AUTOMATION PACKAGE available with a DIMMER SWITCH and APPLIANCE SWITCH MODULE and to top it off an EVE SP-1 SERIAL / PARALLEL INTERFACE with both SERIAL and PARALLEL CABLES and software. Only one is available at the price of only **$179.95.** First come, first serve.

## USED HARDWARE & SOFTWARE

| | |
|---|---|
| ● EXPANSION MODULE #3 MEMORY CONSOLE | $30.00 |
| ● COLECOVISION GAME SYSTEM | $30.00 |
| ● BEAMRIDER by Activision | $7.00 |
| ● CARNIVAL by Coleco Electronics | $7.00 |
| ● FROGGER by Parker Brothers | $7.00 |
| ● KEYSTONE KAPERS by Activision | $7.00 |
| ● RIVER RAID by Activision | $7.00 |
| ● THE HEIST by MicroFun | $10.00 |
| ● WAR ROOM by Probe 2000 | $10.00 |

# N.I.A.D. PROCEDURES
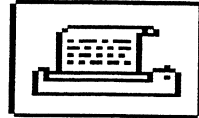
⇨ N.I.A.D. is published monthly, except for the months of May / June and July / August, which are combined issues by the Northern Illiana ADAM User's Group. Individual issues may be purchased for the current month or a backissue for $3.00 (always check Product List for current pricing). The October issue of N.I.A.D. is the 91ST issue published by N.I.A.D., there are 90 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 First Class** and **$26.00 Canadian 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 insure 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 send this information to us as soon as possible so as not to cause any type of difficulties. Also, include your member ID number any time that you send us any kind of letter, package or order.

⇨ N.I.A.D. accepts advertising for ADAM related products and services. Cost is $35 for a half page ad and $60 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 or services which may be offered.

⇨ If **1092** are the first four digits in your member number, this is the last issue you will receive in your current membership, 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 and handle distribution of demo copies.

⇨ **We have exercised due care in the preparation of this newsletter. 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.**

# N.I.A.D. NEWS & UPDATES

⇨ **N.I.A.D. CHRISTMAS SPECIALS** go into effect as of November 16 and are valid through December 31. Take advantage of these specials while they last because you won't have the opportunity again until Christmas '93. When choosing a N.I.A.D. Christmas Gift with your order, please adhere to all stipulations listed on page 4 of this issue. Also, when making your selection please list three items from the category that you fall into and number them 1 to 3 in order of the product that you would most like to receive. We ask this of you due to the fact that some products are in limited availability. Depending on how well things go, we may update this listing in the November issue with some new products to choose from.

⇨ **ADAMCON 05** planning is already underway by Alan Neeley of ADAMLink of Utah. Current plans have the convention taking place from July 22, 1992 through July 25, 1992 at the former Best Western Hotel know known as the Olympus. The Olympus is a thirteen story hotel in Salt Lake City, Utah which is said to have terrific restaurants, 13 floors, is only 10 minutes from the airport, has a wonderful view and 24 hour pool. Proposed price range for a full delegate will be between $220 and $240 (which is the same range as previous ADAMCONs). Watch for further details as they become available. If you wish to contact Alan write or call at:

### ADAMLink of UTAH
c/o Alan Neeley
2337 So. 600 East
Salt Lake City, UT 84106
(801) 484-5114

⇨ **ADAM BBS UPDATES** have been made available to us by one of our own members, Tom McDonald. We printed a listing in the July / August '92 issue which was a little outdated so here is the most up-to-date information:

● Coleco Depot BBS - seems have to been disconnected.
● Delaware Valley BBS - never been able to connect.
● ADAM Connection BBS - now known as the Final Nexus BBS. It is run on a MacIntosh and still supports the ADAM as well as other computers. It is also said that they may become Fidonet compatible in the future.
● A.W.A.U.G. - has relocated to Alexandria, VA and the new number is (703) 960-5315. It is on-line 24 hours a day, 7 days a week operating at 300, 1200 or 2400 baud.

⇨ **THE MAINE ADAM LIBRARY** has released a new patch for PowerPAINT and IBM Clip-Art for ADAM™ owners which will allow both ADAM RLE formats (the standard ADAM RLE and the IBM Clip-Art RLE) to be loaded into PowerPAINT without having two different versions of it. Due to the size of the required patch it will not be made available for publication in any newsletter. However, it is available through M.A.L. in two forms: 1) Send a copy of your PowerPAINT to M.A.L. and they will make the necessary changes for a modest fee of only $4. If you have a special version of PowerPAINT it will be patched without disturbing the other existing patches already present. Also, if you send in your PowerPAINT, M.A.L. will send you back a free demo disk of new pictures being worked on. 2) Send a S.A.S.E. and $2 for a written copy of the instructions for making the patch yourself.

### THE MAINE ADAM LIBRARY
c/o Bob Sebelist
P.O. Box 85
Waterford, ME 04088
(207) 583-4923

⇨ **CLIPS & LABELS** is a new program being completed by Hexace Software's Bruce Walters. While not to be considered a true desk top publishing program, C&L will have many features that will give you better page layout capability than has ever been available for the ADAM previously. C&L has been programed 100% in machine language and will allow for embedded printer commands to change type style on dot matrix printers, offer user definable embedded printer commands, allow for the implementation of graphics on the page, offer a clip editor, supplied with a 60 page manual and so much more. All of this for a retail price of only $12.00! Watch for further news and a review next month.

### HEXACE SOFTWARE
c/o Bruce Walters
Rd. 2, Box 51
Franklin, PA 16323-9204
(814) 432-3563

⇨ **DRAGON MASTER** is a new adventure / role-playing game being completed by Magic Vision's Scott Gordon. While we have only seen some demonstration screens at ADAMCON 04, Scott has given us some further details concerning the game. Planned release date will be sometime before Christmas the program will be 100% machine language; capable of running from a hard drive, floppy drive or ramdisk; offer screen scrolling the likes of which have not been seen in any third party ADAM software; have character information graphic screen with pictures of the characters; allow for background music to be played through a MIDI instrument or through the TV / Monitor speaker; offer a save option and the most detailed storyline of any ADAM entertainment or adventure game ever created. A retail price has not yet been determined as well as a release date so watch for more details next month.

### MAGIC VISION
c/o Scott Gordon
12503 King's Lake Dr.
Reston, VA 22091
(703) 620-1372

⇨ **SuperMENU 1.0** has been released by Silvagni Co. SuperMENU is an easy to use utility for ADAM E.O.S. files (IE: SmartBASIC, SmartWRITER, ADAMClac, SmartLOGO, SmartFILER, ADAMLink, etc.). With SuperMENU you can: rename or re-initialize a formatted disk or data pack; copy blocks or files using any combination of disk or data drives; recover or rename files; display or change a file's attributes (IE: deleted, invisible, etc.); change the screen colors (15 choices) for use in SuperMENU or SmartBASIC. Every task is performed using ADAM's SmartKEYs and confirmation screens! In addition, many of SmartBASIC's bugs have been fixed (IE: REM, DATA statements, etc.) and several enhancements have been added to SmartBASIC (a 40 column screen mode, ESC=break, WILCARD=pause, INSERT=insert, etc.) and much more. Retail price is only $19.95 on disk or data pack through M.W. Ruth Co. Watch for a complete review next month.

⇨ **THE N.I.A.D. PUBLIC DOMAIN** has once again undergone growth this past month with the addition of six new volumes: VideoTunes Songs VNDV Vol. #4 for use with VideoTunes of the MIDI VT-Player, C.G.P. Pix Vol. #4 for use with the Coleco Graphics Processor and PowerPAINT, N&B Pix Vol. #31 and #32 for use with PowerPAINT or PaintMASTER, PD Signs SNDV Vol. #4 for use with NewsMAKER or SignSHOP, and Pinball Games Vol. #8 for use with the Pinball Construction Set.

# Merry Christmas

## EFFECTIVE 11/16/92 - 12/31/92

It's the Holiday Season once again and N.I.A.D. is once again offering a wide range of Holiday Specials which is our way of syaing "Thank You" for all the support which you have given us over the last year! We hope that these specials provide some relief for your pocket books during this time of year when it always seems that money is one commodity, unlike love, that we do not have a lot of to share.

If placing an order via phone-in, you will be notified if you are eligible for a free gift choice or not. A selection will have to be made at this time, so please read over your options which have been outlined below. If placing an order via mail-in, you will have to make your selection on the order form or else you will forfiet your free selection. Also, when mailing in an order, make THREE selections from the specific category and number them 1 to 3 respectively (1 being the most wanted and 3 the least) in the case that some items are no longer available. Also, please inform us whether you wish to receive software on DISK or DATA PACK. If the choice is not made, the software will be sent according to other software ordered or by what is available.

Regarding ordering in time to guarantee delivery of products before Christmas - THE SOONER YOU ORDER, THE MORE LIKELY YOU WILL RECEIVE YOUR ORDER BEFORE CHRISTMAS SO CONSIDER PHONING IN YOUR ORDER USING A CREDIT CARD OR C.O.D. We will be working as hard as possible to process and ship your orders, but we can't perform miracles.

## MEMBERSHIP SPECIAL

All Membership Renewals and New Memberships with product orders over $20.00 are eligible to receive one free Public Domain software title from the N.I.A.D. Public Domain Library. The membership renewal or new membership does not count towards the $20.00 product order, this must be made up of other ADAM software, hardware, supplies or books. Please specify the type of media that you wish to receive, either DISK or DATA PACK.

## ORDER SIZE SPECIAL

Any product orders, MINUS MEMBERSHIP COSTS, received before 12/31/92 will be eligible to receive a free product dependent on the size of the order. Please only base the order size on the products ordered, do not include the cost for membership, shipping & handling, balance due payments, etc.

### ORDER SIZE: $50.00 - $74.99

Your choice of one of the following free:
- O 1. One Public Domain Volume (DISK or DDP)
- O 2. One Coleco Tan Hand Controller (Joystick)
- O 3. One Coleco 7 ft. ADAMnet Cable
- O 4. Two Coleco Right Directory ADAM Digital Data Packs
- O 5. Super Zaxxon by Coleco Electronics

### ORDER SIZE: $75.00 - $99.99

- O 1. Two Public Domain Volumes (DISK or DDP)
- O 2. Two Coleco Tan Hand Controllers (Joysticks)
- O 3. Four Coleco Right Directory ADAM Digital Data Packs
- O 4. Backup 3.0 by M.M.S.G.
- O 5. SmartTERM V1.02 by Kehoe Software

### ORDER SIZE: $100.00 - $124.99

- O 1. Three Public Domain Volumes (DISK or DDP)
- O 2. Six Coleco Right Directory ADAM Digital Data Packs
- O 3. Recipe Filer by Coleco Electronics
- O 4. Norman's Railroad by Norman Castro
- O 5. Uncommented Disassembly of ADAM EOS7 by Mel Ostler

### ORDER SIZE: $125.00 - $149.99

- O 1. Four Public Domain Volumes (DISK or DDP)
- O 2. Eight Coleco Right Directory ADAM Digital Data Packs
- O 3. Stratozap by Allied Creative Engineers
- O 4. MisSpeller for SpellingAID by Walters Software Co.
- O 5. Uncommented Disassembly of SmartBASIC V1.0 by Mel Ostler

### ORDER SIZE: $150.00 - $174.99

- O 1. Five Public Domain Volumes (DISK or DDP)
- O 2. Ten Coleco Right Directory ADAM Digital Data Packs
- O 3. RamBoot by Walters Software Co.
- O 4. Stage Fright by Reedy Software
- O 5. ShowOff II: Writermate by Digital Express Inc.

### ORDER SIZE: $175.00 - $199.99

- O 1. Five Public Domain Volumes (DISK or DDP)
- O 2. Ten Coleco Right Directory ADAM Digital Data Packs
- O 3. SmartDSK III by Walters Software Co.
- O 4. Reedy Entertainment Pack by Reedy Software
- O 5. E.O.S. Programming Kit by Walters Software Co.

### ORDER SIZE: $200.00 - $299.99

- O 1. Appointment Book by The Maine ADAM Library
- O 2. Addictus by Reedy Software
- O 3. CopyCart+ D2.0 by M.M.S.G.
- O 4. Hacker's Guide to ADAM Vol. I & II with Software
- O 5. ADAM Keyboard with 7 ft. ADAMnet Cable

### ORDER SIZE: $300.00 - $399.99

- O 1. Phrase Craze with Phrase Pak I & II by Reedy Software
- O 2. Coleco Graphics Processor Cart with Converter & Documentation
- O 3. Expansion Module #2 - Driving Controller with Turbo Cart
- O 4. Learning to Read with ADAM by Mel Ostler
- O 5. From Basics To Basic with ADAM by Mel Ostler

### ORDER SIZE: $400.00 - AND UP

Take 7% OFF all orders over $400.00. Membership, Tax, Shipping & Handling, Balance Due Payments DO NOT APPLY to total of order.
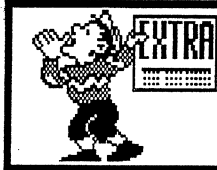
# A CALL TO ARMS
## The ADAM News Networks Needs Your Help
### by Barry Wilson

Step Closer, I don't want anyone else to hear, now just a little bit closer. Tell you what I'm going to do since you look like a deserving chap, clean cut and bright eyed. Ask not what your ADAM can do for you, but rather what you can do for ADAM.......

So I am going to give you a chance to go for a magic carpet ride, a chance to go where no ADAMite has gone before, to explore the unknown, to dream the impossible dream, to follow the yellow brick road, to see the wizard, to embark upon a wonderful magical journey, to be part of the...

## ADAM TROUBLE SHOOTING GUIDE

WHAT! You say you never heard of the ADAM T.S.G.? Well don't feel bad, until recently neither had I. It is to be a major ADAM publication by the creator and founder of the ADAM News Network, by the driving force behind the ADAM Survival Guide, to be on the size (200+ pages) and scope of the A.S.G.

For the limited future and until all positions are filled you have this chance to volunteer to make this dream possible, to make the T.S.G. happen. Apply within. Some positions require technical knowledge but most only require the desire and dedication to work for the good of ADAM.

● 1. **HARD COPY TYPIST:** Type hard copy to disk. Work under direction of hard copy coordinator. Several needed.
● 2. **HARD COPY COORDINATOR:** Supervise and distribute work to hard copy typists. Coordinate with other staff as to what needs to be typed from hard copy to disk.
● 3. **SECRETARY:** To send out large mailings, xerox form letters, put in envelopes and mail, etc. To work with and support other staff. (Expenses reimbursed).
● 4. **PUBLICITY CHAIRMAN:** To see that publicity is given to this project. To contact BBS sysops, NL editors, A.U.G. officers, dealers & suppliers to see that they have information on the T.S.G. and to see that they publicize the project.
● 5. **ADVERTISING MANAGER:** To contact dealers, suppliers, etc. To solicit ads for the T.S.G. To coordinate ad copy and masters. To get copy ready masters of ads to Co-Editor.

(Positions 1-5 do not require a technical background. Positions 6 and up do require some technical skill).

● 6. **CHAPTER EDITORS:** To edit one or more chapters in the T.S.G. To write, utilize articles of others, and generally cover the subject matter of a chapter. To give edited, ready to use material to the Section Editor.
● 7. **SECTION EDITORS:** To oversee and review the work of the chapter editors. To edit a section of the T.S.G. To give edited, ready to use, completed sections to the Co-Editor. Four needed.
● 8. **CO-EDITOR:** To oversee and review the work of section editors.

Come join with us. Make this dream become a reality. Be involved, be in on a major ADAM project at it's beginning. Be alert. Become (ADAM WORLD) famous (NO guarantees). I need your name, address, position volunteering for (OK to volunteer for several), technical background and experience. Suggestions, ideas, etc. also welcome.

Leave on Fidonet OR send to:

Barry Wilson
11600 Olive
St.Louis MO. 63141

## ADAM TROUBLE SHOOTING GUIDE
### Proposed Lay-out

Chapter 1. Introduction to Book
● **SECTION I: TROUBLE SHOOTING ADAM SOFTWARE**
Chapter 2. Section Introduction
    An over view and introduction to the section.
Chapter 3. Unknown Software.
    You find an old disk, you have no idea what is on it or how to use it, what do you do?
    You try booting it to see if it is an autoboot disk.
    You put in SmartWRITER and look for readme files.
    You load SmartBASIC and type catalog.
    You load CPM and / or TDOS and?
    You load SmartLOGO and?
    You ?????
Chapter 4. Trouble shooting E.O.S. SmartWRITER Software.
    How to trouble shoot E.O.S. software problems.
Chapter 5. Trouble shooting SmartBASIC Software.
    How to trouble shoot SmartBASIC I & II software problems.
    Use control C to break out of program and list, etc.
Chapter 6. Trouble shooting CPM and / or TDOS Software.
    How to trouble shoot CPM and / or TDOS software problems.
Chapter 7. Trouble shooting SmartLOGO Software.
    How to trouble shoot Logo software problems.
Chapter 8. Using Utilities to trouble shoot software.
    [THIS COULD BE INCLUDED IN EACH OF THE ABOVE CHAPTERS OR KEPT AS A SEPARATE CHAPTER] Things like using Data Doctor in E.O.S., File Manager to undelete files, etc. Using utilities in CP/M 2.2 / TDOS, SmartLOGO, SmartBASIC, etc. All can be in this chapter or all can be thrown back to their specific chapters above.
Chapter 9. Intro. to Hardware Sections, Overview and Obvious Things.
    Such as: is equipment switched on, plugged in, all connections, cables, etc., good. General advice such as to turn all things off before making hookups, etc. especially plugging in interfaces, boards, etc., while power is on.
● **SECTION II: BASE ADAM**
Chapter 10. SmartWRITER Typewriter
    There is an extensive article that has been published in several NLs, I think I remember it in Tom Keene's but it was probably in others. This should be used as the basis for this chapter.
Chapter 11. CPU
Chapter 12. Digital Data Drives
Chapter 13. Chips, chips & more
    (I liked Howard Pines lecture at ADAMCON 03 where he showed what type video problems you could get from different chips, etc.)
● **SECTION III: EXPANDED ADAM**
Chapter 14. Interfaces, cables
Chapter 15. Dot matrix printers
    Several dot matrix printer manuals contain trouble-shooting info for that specific dot matrix printer. We should include as many of the popular models as possible. (It will just be copying from the printer manual, etc.). Plus other trouble shooting info on them.
Chapter 16. Disks drives
    Different sizes and manufacturers
● **SECTION IV: STATE OF THE ART ADAM**
Chapter 17. Hard Drives
Chapter 18. Midi Interfaces
Chapter 19. High speed Modems
Chapter 20. Mark Gordon stuff not included above

At approximately 10 pages per chapter (nominal number) we are looking at 200 pages plus ads, etc., minimum. A mammoth undertaking, but one that will benefit the ADAM community.

# BEYOND SmartWRITER
## Part II: A Review of SpeedyWrite V2.0
## by David Sands

SpeedyWrite V2.0 is an easy program to like. It may derail my series on word processors for the ADAM by being so likeable I won't want to go on to VDE266, Wordstar, or anything else. It isn't new, having arrived about 1988 and making quite a splash, which I missed, being a good and faithful SmartWRITER user at the time.

However, like David Cobley, the ADVISA's editor, and once a SHOWOFF II / SmartWRITER user who thought he couldn't learn to use anything else, I too have succumbed to the attractions of this small, versatile, quick and very broadly featured word processor.

Speedy, as it seems to be known, was written by David White, and somewhere I have read that he was 14 years old at the time. If so, this kid has a hell of a future in programming. Even for an adult, this program would be an immense accomplishment.

To get the details out of the way, it seems to be available on disk and or datapack from ADAM's House and N.I.A.D. Disk prices average (U.S.) 29.95 for SpeedyWrite V1.0, 39.95 for SpeedyWrite V2.0, and 24.95 for SpeedyWrite Spell (a 10,000 word dictionary program that requires a 64K expander card). My program is the V2.0, apparently an improved version of the first in that it offers printing on a dot matrix printer and formatting for those printers along with numerous other options. If you are going to use your ADAM printer, you can use the salad version, but the Spell program won't work with it.

Speedy's got a lot of talents. To start with, a brief comparison with SmartWRITER will show Speedy ahead on almost all counts. The almost comes in because in one major area, accessing and saving files, Speedy seems a little clunky, although the steps are very similar. Screen display is, for example, a white screen with a blue box outline border and blue type. You can change background and type to any one of 16 colors with SmartKEYs I and II, except on black and white TV's and my green monitor, where they can be used to make the screen illegible.

You get 22 lines of typing within the borders and the full width of the screen. There are no on-screen SmartKEY displays. Prompts, like 'Insert Mode On...' appear on the top border line. Insert Mode is one of the adorable features of SpeedyWrite. SmartWRITER is locked into 'overtype' mode. While it has overtype, Speedy lets you select Insert Mode (with the Insert Command Key or with the CONTROL+A key combination.)

A word about CONTROL+KEY combinations is essential here: any CONTROL+KEY means hold down CONTROL and press the appropriate LETTER key at the same time. The advantage to CONTROL+KEY combinations is in typing speed; your fingers stay on the keyboard. It's the system used in Wordstar, the original bestselling word processor (there were earlier ones) and in Word Perfect 5.1, etc., as well as the current fave for Macs and PC's. Don't confuse Insert Mode with the 'Insert' of SmartWRITER. In Insert Mode, you can whip back into any place in your work and add anything; no key presses, wait, and screen below the cursor vanishing, and longer wait to get it back when you're Done. With 'Insert Mode On...' you drop the improvement into your already superb writing, and keep going; the type already on the screen adjusts to make room as you type in the latest inspiration of genius. I use it all the time.

The knock on CONTROL+KEY combination programs is that you have to remember what the combinations are. As David Cobley said only tonight, the memory is the second thing that goes. But you don't miss it because you can't remember it. [Both of us have solved the problem by posting handy lists of the codes by the ADAM. As to what the first thing that went was, I can't find the list for it anywhere.]

SpeedyWrite also offers the ADAM's command keys as alternatives to many Control+Key combinations. The INSERT key (Control+A), CLEAR (Control+C), MOVE / COPY (Control+B) and PRINT (Control+P) are examples. The SmartKEYs have various built-in functions and SHIFT+SmartKEYs are used for SpeedyWrite's Macro functions, of which, more later.

I like SpeedyWrite's screen display; it looks a lot like SmartWRITER's Moving Window format. Everything you type stays within the border, and you move around quickly with the arrow keys and quicker with HOME+ARROW combinations. And a HOME+LEFT ARROW combination will jump the cursor back to the beginning of each previous sentence, in order, in your work. HOME+RIGHT ARROW jumps ahead, sentence by sentence. LEFT and RIGHT ARROW keys control the cursor as in SmartWRITER, but in SpeedyWrite, UP and DOWN ARROWS scroll the screen 20 lines at a time. You can't jump the cursor down two or three lines for a shortcut. If you type the interminable paragraphs I do, you can watch the cursor a lot, until you learn to put periods where you had commas, and not run your paragraphs on and on.

So stop already and mention the word count feature. I am now at word 945 from the start of this article, an amazing true fact I discovered by pressing HOME+UP ARROW and then CONTROL+W. And very quickly. SpeedyWrite is written in Z80 machine code, and it is a fast and responsive program: you rarely wait for it, something you cannot say for SmartWRITER.

Incidentally, I hope there's a special place in Hell for the Coleco guy who came up with the affected way all ADAM programs were typographically designated with the last half always capitalized. Even SpeedyWrite sometimes seems to follow the convention, tho' sometimes not, one of the more charming features of the complete, if eccentric, documentation. It's eccentric in that it's the only manual I've ever read that is frank about what you can't do in a program, and where you'll run into problems. It's also well organized.

Most of us use only a portion of the features any program offers, unless it happens to be a big part of your life. That's one of the shortcomings of SmartWRITER: it has no room for expansion. Speedy, on the other hand, has plenty.

The next installment will deal with the more advanced and convenient features of SpeedyWrite V2.0. In the meantime, here is a listing of other SpeedyWrite V2.0 features to wet your appetite: 40 column screen; 10-12 double spaced pages allowed in one file; underlining; justifications; centering; headers and footers; search and replace; macro creation; split screen (view two parts of your document at the same time); re-print page command; skip to any page; multiple margin settings within a document; multiple line spacing within a document; subscripts and superscripts; automatic indentation; auto page numbering; multiple columns; rename and delete files; init media; screen review (see just how your document will look when printed); convert existing SmartWRITER documents into SpeedyWrite format; on-line dot matrix printer support; continuous printing of files; ramdisk support (will use available conventional ram as a ramdisk); can use a memory expander as a ramdisk which will allow one to store files on it for super fast retrieval; up to 10 help screens are always available; insert control codes to change type styles used in printing; a Pocket Database; and so much more!

Also, for you hard drive owners a special patch is available that will allow SpeedyWrite V2.0 to work properly from either the OBS Mini-Winie or M.I. PowerMATE series of hard drives. It is available only through HLM / GMK Software & Hardware Co. for a nominal fee.

# PUT IT IN WRITING!
## Part I: Another Word Processing Option for ADAM
## by Thomas J. Keene

"Modern computers are used to perform a myriad of tasks. They are renowned for their engineering and mathematical applications. No modern business could possibly function without the computer to prepare payrolls and process all sorts of records regarding employee's vacations, benefits, performance ratings etc.. Inventories would be unmanageable were it not for the ubiquitous computer. Planning would be virtually impossible today without the splendid spreadsheet programs that manipulate enormous amounts of data. But, of all the ways that a computer is used, there can be little dispute that the preparation of correspondence and general writing of text is the most extensive. The all-time greatest software seller is said to be LOTUS 1 2 3. But that is probably because it is the best spreadsheet program on the market. But consider the dozens of word processors that are in use around the world. Here, there are half a dozen heavy contenders for first place. Or look at it in another way; millions of people use one word processor or another, in homes and offices across the land. That is not true of spreadsheets or engineering programs like FORTRAN, PASCAL or BASIC. The word processor is indispensable in today's world." Graham Greene died in Geneva, Switzerland, on Wednesday, the third of April. This unprecedented master of English literature was unique in many ways. In today's world he is incredible in that he wrote all of his novels in longhand. He used neither a typewriter nor a word processor. Either the man was a fabulous speller or he relied on an editorial staff at his publishers. Very few of us could survive without a modern spell checker, nor could we create any sort of text without a word processor.

When Coleco introduced the ADAM, the major selling point was the integral word processor that was offered. At that time, this was unheard of. Even the Commodore (UGH!) had to use a separate software program to write text. And the SmartWRITER of the ADAM was a very good word processor indeed!. There are many ADAM owners that I know personally who use no other system. But a program that merely prepares text is, to my way of thinking, sadly incomplete. Formatting and spell checking are an integral part of the writing process. I am not too bad at spelling, but I am a miserable typist. And, as many people will attest, an author is a poor proofreader of his own material. The problem is that an author knows in his mind what he intended to write and when he proofreads his own material, he see what he intended to write, whether it is there or not. Another person will catch things an author misses even though he may have read it over several times. This is especially true of mistakes in typing.

It is amazing how right a text will appear to the one who wrote it, but another person will spot errors and inconsistencies immediately. But how many of us have an editor to help us with our personal correspondence or other writing endeavors? A good spelling checker will go a long way toward minimizing this problem. Remember that the original ADAM had a very limited internal memory and even a moderately comprehensive spell checker may require upwards of 600K of workspace. So Coleco had to forget a spell checker. In fact, they didn't have a separate piece of software for that purpose, either. I recall that the first spell checker available for the ADAM was filled with so many mis-spelled words that it was completely useless. Nothing could be more treacherous than a spelling checker filled with spelling errors.

But SmartWRITER wasn't bad in it's time. Many of it's shortcomings were shared by dozens of other computer's word processors. Take formatting, for example. Virtually none of the home personal computers circa 1985 could justify text. At that time the dot matrix printer was just getting off the ground. Daisy wheel printers were by far, the major printers in use and they weren't too shabby either!. No matter if you had a Brother daisy wheel or an ADAM, they both produced superb copy which was superior to any dot matrix printer regardless of cost. However, daisy wheel printers had a rigid spacing problem. So did most typewriters of that period. Only the extremely expensive IBM

Executive had anything remotely resembling a variable spacing capability, and that was extremely limited. So it was natural that some enterprising hacker came out with a program that enabled the rigid daisy wheel printer to sit up and do tricks. Some of this formatting software was commercial, but one of the best was a public domain program by Ted Chapin called RUN80. It was amazing what this program could do for text writers. Not the least of which was it's ability to justify text using an algorithm that spread the text in such a way that it became almost unnoticeable. It would check the last word on a line for fit, and, if it had room, it would reach down for the first word of the next line and put that word at the end of the line. Or, if the last word on a line was simply too long, it would drop that word down to the next line and then go back and space the other words on the line in a non-rhythmic pattern. Now, with these enhancements, the ADAM writer could produce some very professional looking text with that old SmartWRITER.

We soon began to notice that a lot of other home computers were showing up with some swanky word processors that featured some very professional improvements. At the time there was absolutely nothing of that kind for the ADAM. But as soon as Coleco released CP/M 2.2, there was a fluid tide of great programs, both commercial and public domain, that could be adapted to the ADAM. Coleco itself entered into an agreement with Westico to provide a vast array of CP/M commercial software specially configured for the ADAM. These programs varied from business management (which included, the then top-drawer, dBASE II) through telecommunications, science & engineering, planning & analysis, language processing, development tools and word processing.

In the latter category, they offered WordStar, MailMerge and Star Index which was a reference aid for WordStar. These were anything but cheap, WordStar selling for $349. With the advent of some good CP/M telecommunications software, the ADAM community soon discovered a wealth of public domain programs on various bulletin boards, most notably CompuServe and Genie. The first major word processing program in the public domain was a great program called VDO25. It was vastly superior to SmartWRITER and much easier to use. Most of VDO25's features were readily adapted to the ADAM, though not all. A companion spelling checker made it's appearance in the public domain named SPELLM20. This was, and is, a terrific program that is completely ADAM compatible.

Not long after VDO25 was making the rounds of the ADAM users, Eric Meyer of Bloomington, Indiana (University of Indiana) brought out his first edition of VDE. This was not configured for any particular computer and especially not the ADAM. I spent a lot of time trying to configure it and finally, after some help from Eric Meyer, I got it to work on an ADAM. There was no doubt at all that VDE was a lot more sophisticated than VDO25. I had also obtained a version of WordStar for the ADAM. I liked it but I thought that VDE was much easier to use. Unfortunately the command structure of these two programs was quite different, even though they both did about the same things. When WordStar IV was released, MicroPro made a CP/M version which was immediately adapted to the ADAM. I bought a copy of this program and found it was improved quite a bit over the earlier version I had been using but it was extremely large, requiring several disks to hold the complete program. Without a 3.5" or hard drive, WordStar IV is unthinkable. But even at it's best, WordStar is extremely awkward and slow, slow, slow. It jumps back and forth to the disks much too frequently to get something or another that it needs. This is where the public domain program VDE has it over WordStar. One thing VDE is, --- it's fast!!.

VDE has one notable drawback and that is the memory provision for the text you are writing. It can only hold about 45K in internal memory

at any one time. It should be noted that Eric Meyer incorporated a compression technique in VDE that enables the program to handle an equivalent text of about 25% more than the actual amount in memory. This is transparent to the user and you are not conscious of this aspect, but it substantially mitigates the shortage of memory.

I should point out that very few people will ever find this lack of memory to be a handicap. On those rare occasions when you might have a large body of text and it is necessary to modify parts of it, there is an ancillary program that makes this very easy to do. The advantage of limiting the text volume is so overwhelming that I wouldn't want it changed for all the tea in China.

Because every bit of the text you are working on is in resident memory, all of the word processor functions are lightning fast. You can go from the top of the text to the bottom in the blink of an eye. And you can go from the bottom of the text to the top with equal facility. By contrast WordStar 4.0 takes nearly 30 seconds to go from the top to the bottom of a 45K file. If you are searching for a particular word, it takes more time to speak the word than it does for VDE to locate it!. VDE has been vastly improved over the years with a large number of versions replacing earlier versions with some improvement or other. The last revision was 2.66 (VDE266) which was only slightly different from version 2.65. The change was to correct an internal error that rarely occurred. But previous revisions were usually significant.

Perhaps the most notable change was made when Eric Meyer changed the operating commands to agree with those of WordStar. He retained his original command structure for those who had become so accustomed to them that they didn't want to change. So both systems are in the current version. A major improvement in VDE was in the documentation. The current documentation is outstanding!.

Even though VDE has been copyrighted and has been made public domain with no strings of any kind attached, it has been unmercifully hacked by well intentioned people. There was a version adapted to ZCPR (written by Carl Wilson) and another for TDOS. These are mostly adaptations to make it work on these hybrid CP/M systems. For the most part there is little reason to recommend any of these adaptations. The reason Eric Meyer ended the revisions of VDE was that there were no further major improvements that he could think of that it lacked. There is one illustrious version of CP/M that was made with Eric Meyer's blessing and that is the screen writers version created by Fred Haines. Almost every version of VDE that came out, was immediately followed by a screen writers version. As I have pointed out in the past, this screen writers version is regarded as the most outstanding piece of software of it's kind. And it is in some pretty expensive company. It is almost unbelievable that this fantastic program is available for the ADAM. I have mentioned before, our good friend, Richard Newton, has used VDE266SP with great success in his screen writing.

Just how does VDE operate and specifically what are it's features?. To begin with, VDE is written on Z80 assembly language. This is one of the reasons that it is so fast. Unfortunately, it will not work on a computer that uses the 8085 microprocessor nor with the Intel 8080. It can be disassembled (if you have a mind to) with DDTZ but not with the standard ADAM CP/M disassembler. It can write directly to the video RAM but this feature of VDE is not implemented in the ADAM. All editing is done entirely in memory. Although not generally known in the CP/M world, VDE does have an MS-DOS version. I think that the best way to describe VDE is by going through a summary of the commands and explain what each of them does. I mentioned that a complete writing system should have a spell checker and formatting capabilities. There is a supporting program that I highly recommend for use with VDE and that is the QUIKKEYS program. I use this program for many other programs, such as a modem program and PrintMASTER etc.. It is so extremely useful with a word processor that I urge you to get a copy (it is CP/M public domain) and configure it to be a companion for VDE. I will discuss this use a bit later.

There is a program that comes with VDE called VINSTALL.COM. This is the program used to install the generic VDE to one that is configured for your ADAM. Unless you are intent upon experimentation, my recommendation is that you obtain a preconfigured copy of VDE266 and save yourself the needless pain of doing it yourself. You can get a copy from the IEAUG public domain library. I have posted a version on several bulletin boards including CompuServe and Genie and I am aware that other ADAM configurations have also been widely posted. Nevertheless the VINSTALL program may be useful to you in the future when you want to change some of the settings such as User Options. Let's consider those User Options.

One user option is the creation of a backup file. Whenever you edit a file (that is, you bring an existing file into memory to make changes in it), do you want the original file to be retained as a backup when you save the edited file? If you do, then you will have two files of the same document, one with the new changes and one that is just like it was before you edited it. The backup file will have the same filename but it's file extension will be ".BAK". You may prefer not to have this option so this is something you can change with VINSTALL. There is a status of files that you may create with VDE which is an option at the time you first create the file. It can be designated as a WordStar type document, an ASCII document or a "non-document". If you don't specify the mode, it defaults to an ASCII document. But for those who prefer that it default to the WordStar mode, that can be set in the User Option section. You can also set the file mode to a couple of other modes. For example, if you are writing an assembly language document and it should have the file extension ".ASM", you may designate it as the default setting. You are allowed to make another such file mode designation according to your preference. This is mostly a convenience for those who are doing a lot of specialized writing. Once you have finished with this need, you can easily change the default backup to something else with the VINSTALL User Option section. There is a procedure in word processors called "insert" which enables you to insert a character, word, phrase or paragraph anywhere in an existing text. Most word processors have this capability and it is most useful. However, it is a matter of preference as to whether you want it "ON" all the time, or only "ON" when you so direct. The insert command is Control-V ($^V$). You place your cursor at the character where you want to insert the word(s) and then hit Control-V again and resume normal typing. You may, if you wish, "invert" the use of the Control-V. In this case the insert mode is "ON" unless you hit Control-V to stop inserting. In the default operation, normal typing prevails until you hit Control-V, at which time inserting starts. This default setting is one of the User Options.

One optional feature of VDE is the layout at the top of the screen which is called a "ruler". This is a series of dots, each of which represents a character of text. The purpose is to guide you in laying out your text. It also displays the letter "T" at each of the preset tab locations. The option may be selected with Control-O followed by the letter T ($^O$ T) and is a toggled option, – that is, it can be toggled "on" or "off" with the same command. The default setting is "off" but this is another of the User Options that you can set with VINST266.

The header at the top of the screen tells you the filename and drive, the line number and the column number, as well as other data. The header will be discussed in more detail a bit later. The "ruler" does not obliterate the header, but is a separate line just below the header.

When you start to create a text file you open a file with this command:

## A>VDE266 {B:} {FILENAM.TYP} <CR>

The items in curly brackets { } are optional.

If the drive is not designated, the file you are creating will be located on the A: drive. As shown above, the new file will be placed on the B: drive. You may use any drive (including the M: drive) that is available.

The other optional item on the command line is the filename and

# EXPLORING SmartBASIC
## Part XI: Program Control Commands
## by Guy Cousineau

For those who have been following these articles on SmartBASIC, the last few have dealt with complex subjects and routines. For a change of pace, we will deal here with elementary commands, yet useful if not essential to programs. Rather than technical notes on routine addresses, we will concentrate on making effective use of the elementary CONTROL commands.

**RUN** is the way to start a program. It calls the CLEAR routine which initializes variables and arrays and begins program execution at the first line of the program. There are 2 other ways, however, to use the RUN command:

```
RUN line_number
RUN file_name
```

The first will begin program execution at the specified line number. It will still clear variables and arrays, but will not execute DIM statements which have been skipped by the line number specification:

```
10 DIM a(20,20)
20 PRINT "Hello"
30 FOR x = 1 to 20
40 INPUT a(1,x)
50 NEXT x
```

If you enter RUN 30, you will get an error message since the DIM statement at line 10 will not be executed. While RUN # has advantages in some cases, it must be used with care. See STOP below for a better approach.

RUN file_name is the same as the combined statements LOAD file_name and RUN. It also has a disadvantage in that the program pointers and variables are not saved for program re-entry after a crash:

```
10 x=1: y=2
20 INPUT z
```

Save this program under 'test' file name; type NEW; then type 'RUN test'. At the prompt, press CONTROL-C and follow with 'PRINT x'. You will see that the value of x is 0. Now type RUN and repeat the same procedure. This time, the value of x will be preserved on the interruption.

**END** marks the end of a program. While it may not be required in most programs, it is a good habit to get into. When your programs grow and you decide to add other features and routines, you may wind up adding lines beyond the actual end of the program. You want to avoid nasty messages, errors, crashes, or other thing that may make your program misbehave. Consider this example:

```
10 GR: COLOR=7
20 INPUT x,y
30 GOSUB 100
40 END
99 REM plot a point at x,y
100 PLOT x,y
110 RETURN
```

When you run this program, everything behaves normally; you enter 2 coordinates and the subroutine plots a point at that location provided it is in the range of 0-39. Now remove line 40 and RUN again. After plotting the first point, the program crashes with a 'Return Without GOSUB in line 110' error.

**NEW** clears all variables and the program under operation. It is essential to use this command before typing in a new program to be sure that line numbers from your previous program do not become intermixed with the new one. It is not necessary to use NEW before LOAD or RUN since both these routines call the NEW routine. IF you have a protected program that you don't want people to fool around with, put a NEW command instead of END where your program terminates. That will help prevent others from analyzing your program and finding clues to the game or problem. DO NOT use the NEW command in test versions of your program since you will find it difficult to debug and improve your program if it disappears every time it exits.

Here's where a back door comes in handy. A back door is a way for the programmer to get inside his program when required. Consider this EXIT situation to a game:

```
1000 PRINT "Play again? (y/n)
1010 GET q$
1020 IF q$="@" then end: REM back door
1030 IF q$="y" or q$="Y" then RUN
1040 IF q$<>"n" and q$<>"N" GOTO 1010
1050 NEW
```

When the game concludes, the participant is asked to play again. When the programmer answers "@", the program ENDs, leaving everything at his disposal. When others answer YES, the program re-executes. IF they do not answer YES or NO, the routine waits for a correct answer. If NO is the answer, the program destroys itself. This is not a very complex BACK DOOR and could easily be broken by pressing every key except 'y' and 'n' until the program exits, but I won't give away all my secrets.

**STOP** is a handy way to temporarily suspend your program under test. Suppose you want to check certain values before entering a particular subroutine which is causing you problems:

```
99 REM plot subroutine
100 PRINT x,y: STOP: REM check these values
110 PLOT x,y
120 RETURN
```

Every time you GOSUB 100, the x,y coordinates will be printed out along with BREAK IN 100. If the values are out of range, you can check other values by typing 'PRINT a(2,3)' or any other similar command, including LIST. If everything checks out ok, you can just CONTINUE the program with a CONT command. You can make a STOP conditional with something like:

```
100 IF x>39 OR y>39 THEN STOP
```

STOP can also be used to find out if a program reaches a particular point. Consider the following example:

```
100 IF x<0 GOTO 1000
110 IF x>100 GOTO 1000
```

If you reach the routine at 1000, you may not know why you got there. In order to check this situation, change the second line to:

```
110 IF x>100 THEN STOP: GOTO 1000
```

Now when x>100, you get a break and when you enter CONT, the program resumes.

**TRACE** can provide a more detailed check of program execution by

# DELVING INTO SmartBASIC GRAPHICS
## Part I: The Power of Scrolling the Screen
## by Scott Gordon

Back in September of '87 when Solomon Swift was printing 'Nibbles and Bits newsletter', a program was printed that allowed ADAM users to scroll the screen up 8 pixels. To myself, this program opened up a world of possibilities and opportunity in the realm of game development. It was this fabulous program along with my persistent interest and dedication that helped make my first leap from SmartBASIC to machine language. I encourage others to do the same.

Now, one year after my first jump into machine code, I am writing my first game for a computer system. These last few months I have been living out a childhood fantasy which I have had since I was five. I am happy to be here, overjoyed to be programming on what I consider to be the best video game/computer system developed for its time and excited to see how my software project is taking shape.

Why do I feel this way about the ADAM? Because the wizards at Coleco dreamed BIG. The attitude during this time was vastly different than it is now. These people were striving to capture the arcade experience on the home screen and more. By supporting their ColecoVision with various attachments such as the Roller Controller and the Super Driving Module as well as expanding the little game system into a fullfledged computer system, Coleco created a legacy unmatched in the history of electronic games. I can only admire these people who set and achieved such large goals during an early time in the video game industry.

So what am I saying by all of this? Hold on to your ADAM! Hold onto that dream machine!!! Tossing it away would be like ripping out a page of your life and bagging it for Tuesday pickup. There is an opportunity here in this next series of articles which I would like to extend to you and others. If you have ever wanted to learn how to make routines for a video game or simply desired to see how it is done, now is your opportunity to learn!

During this small series on scrolling the screen, I will be supplying you with the raw material to get you started on your entertainment software programming. It is up to you to ignite the desire and harness the interest which that will catapult you toward your goal. I would like to see many others make this 'leap' as well.

If at first you don't understand something, don't get discouraged. Hang in there. Reread the material. If there are questions that you feel can only be answered by a technically oriented person, find and approach that person or drop me a letter. I would be happy to help. Even better, ask a father to help you out, I always do!

One does not need to be a genius in computer programming to use this series of articles. I will gear it more toward a general level so that everyone can participate and get something out of what's printed. It would help if the reader has a general understanding of BASIC or programming of some kind, just to make relationships between new and old material easier to connect. Don't underestimate yourself if this is your first time programming. Humans, throughout the centuries have adapted to all sorts of abrupt change. To understand depends on one's desire and receptiveness towards understanding.

Let's begin with a talk about some of the chips included in your ADAM computer. Two types of chips that your ADAM uses for memory are RAM and ROM. The differences between the two are quite significant.

ROM stands for Read Only Memory, which is a 'fixed' memory chip that can only be read from and not written to. SmartWRITER, which loads into memory each time that the ADAM is powered up is contained on a ROM chip. In addition, your ADAM contains OS7 (Operating System 7) ROM which is used by cartridges and EOS (Extended Operating System) ROM. The Master 6801 microprocessor, which we will go into

more detail later, contains a small amount of ROM. A cartridge is another example of ROM.

RAM, which stands for Random Accesss Memory can be written to and read from at the control of the programmer. Your ADAM is equipped with 64K of RAM which is directly programmable and a 16K of RAM that is indirectly accessable. The 16K RAM is set aside for the Video Display Processor (VDP). 64K, 128K, 256K, 1 and 2 Meg expansion boards also contain RAM which can be programmed to store large amounts of data. Even the Z-80 microprocessor, which we will talk about later, contains a small amount of internal RAM for itself which is used to store numbers.

Another type of chip that found in the ADAM is the microprocessor, a chip that executes instructions stored in RAM. The Z-80 Microprocessor, which is the CPU (Central Processing Unit), is what comprises the 'brains' of the ADAM. Another microprocessor that is found in the ADAM is the Master 6801 which talks to all of the external devices (such as the tape drives, the disk drives, the printer and the keyboard) through ADAMNET.

For the purpose of this article, let's narrow our focus down to just two chips, the Z-80 microprocessor and the VDP with its 16K of indirectly addressable RAM, both of which will be necessary to understand before we write our scroll program.

The Z-80 chip is an 8 bit microprocessor that runs at 4 megahertz (4MHz) clock speed. This means that the Z-80 can execute about half a million instructions per second. The chip contains 158 predefined instructions and uses external RAM (64K) to store numbers. Some of these instructions can perform math functions, others can read and write numbers into registers and RAM locations, etc. For a complete listing of these instructions, pick up a copy of either the Hacker's Guide to the ADAM Vol. I, Learning to Read with the ADAM by Mel Oystler or the EZ Reference guides by Digital Express, each available through most ADAM dealers. We will go into a more detailed discussion about registers, addresses, bits and bytes in our next article.

The purpose of this next paragraph is to give you an idea how the Z-80 talks to the Master 6801, to show you how much memory is eaten up by SmartBASIC and why it is important to pursue machine language programming for the additional space that you will need. When loading SmartBASIC into RAM, the Z-80 tells the Master 6801 microprocessor to go to a storage device and load in the Boot Block of the device. Meanwhile, Z-80 sits around and checks to see if the 6801 is done. When the Boot Block is finished loading into memory, the Z-80 takes over and the Master 6801 waits for its next command. The Boot Block, which the Z-80 now executes, ultimately points to the next file that must be loaded into memory. In most cases, it is called BASICPGM. Once again, the Z-80 commands the 6801 to go off and load in the file. After the main program is loaded in, the Z-80 finishes executing the remainder of the Boot Block and jumps to the location that it points at, which is 256. Thus, SmartBASIC begins, occupying addresses 102 to 27406 and using the EOS routines located from 54272 to 65535. In the end, the programmer is left with 17 1/2K for programming due to additional subtractions from SmartBASIC (a picture file could use up as much as 12K of this space!).

The VDP is a chip with its own set of instructions that is capable of addressing up to 16K of RAM at one time. The data stored in this RAM is used to define the screen image, sprites and other things. Additional memory is set aside to store data for its 9 registers. The Video ROM (VROM) in the chip uses this information to determine the screen mode, offsets and other limitations. The four modes which the VDP is capable of producing are: Graphics Mode 1 (Used in SmartBASIC for TEXT
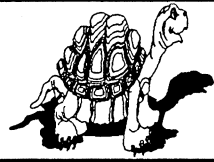
# THE LOGO NOTEBOOK
## Part VIII: A Few Loose Ends
## by Ron H. Mitchell

We will spend this article and the next tying up a few loose ends so as to be in reasonable shape to return to our tutorial as soon as possible. We now have a few LOGO tools at our disposal and we should be able to do something useful... soon.

In the last edition of the notebook, the operation FIRST was introduced as a means of converting user input from the keyboard to a numerical value.

    MAKE "X FIRST RL

LOGO would then wait for the user to input something, a number, a letter, a word, a list, something. Termination of this input occurs when the user presses <RETURN>.

FIRST is known in LOGO as an OBJECT MANIPULATOR. It can break down words and lists into pieces. If your thinking SmartBASIC, you will immediately think of the reserved words LEFT$ and RIGHT$. In LOGO you use FIRST, BUTFIRST, LAST and BUTLAST. Some examples:

(Note.... What you type in is capitalized and indented, what LOGO replies is capitalized, bold and double indented.)

    MAKE "X [RON MITCHELL]

    PR :X

      **RON MITCHELL**

    PR FIRST :X

      **RON**

    PR LAST :X

      **MITCHELL**

    PR BUTFIRST :X

      **MITCHELL**

    PR BUTLAST :X

      **RON**

And there we have it; a means of picking out the first and last elements of a string. We could also assign the parts of the string represented by :X to other variables:

    MAKE "Y FIRST :X

    PRINT :Y

      **RON**

    MAKE "Z LAST :X

    PRINT :Z

      **MITCHELL**

So much for first and last. What about the middle. You know that SmartBASIC has a means of picking out various portions of the string. MID$(X$,3,4) would pick out the third, fourth, fifth and sixth characters of the string X$.

Achieving the same thing in LOGO takes a little more work. Going back to our variable :Z we could say:

    PR ITEM 3 :Z

      **T**

And then, to determine the length of the string:

    PR COUNT :Z

      **8**

See if you can devise a LOGO procedure that will perform the same function as the SmartBASIC function MID$.

Note that ITEM and COUNT are both operations. They out their value to the command PRINT. If we were to type:

    COUNT :Z

We would get an error message:

      **YOU DON'T SAY WHAT TO DO WITH 8**

FIRST, LAST, BUTFIRST and BUTLAST are also operations.

One last operation: READCHAR or RC.

RC also gets input from the keyboard, but the input is limited to one keypress. RETURN is not required.

As a very simple example, you could type

    MAKE "A READCHAR

The screen would freeze up waiting for input. With the next keypress, the usual ? prompt would return.

## STAR DEMO

```
TO SWEEP
  WAIT 100
  RECYCLE
  PU
  CS
  PD
END
```

```
TO STAR :POINTS :CIRCLES
  REPEAT :POINTS [FD 40 RT ( :CIRCLES *
  360 / :POINTS )]
END
```

```
TO STAR1
  RECYCLE
  CS
  ST
  PU SETBG 1 SETC 4 SETPC 4 PD
  STAR 13 3
  SWEEP
  STAR 13 5
  SWEEP
  STAR 13 7
  SWEEP
  STAR 13 9
  SWEEP
  STAR 13 11
  SWEEP
  STAR 13 15
  SWEEP
  STAR 13 17
  SWEEP
  STAR 13 19
  WAIT 100
  RECYCLE
  SETC 15
  SETPC 15
  SETBG 5
END
```

    MAKE "STARTUP [STAR1]

Type in this graphics demo program as it is listed. To execute, just type **STAR1**.

## SPIRAL DEMO

```
TO TRI
  FD 50
  RT 150
  FD 60
  RT 100
  FD 30
  RT 90
END
```

```
TO SPIRAL1
  CS
  TELL 0 HOME
  SETBG 4
  SETPC 1
  HT
  REPEAT 20 [TRI]
  WAIT 100
  RECYCLE
  SETBG 5
END
```
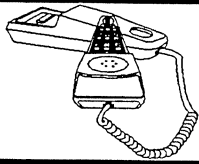
    MAKE "STARTUP [SPIRAL1]

Type in this graphics demo program as it is listed. To execute, just type **SPIRAL1**.

# A LITTLE OF DIS, A LITTLE OF DAT
## Automating Telecommunications Tasks
### by Bart "Zonker" Lynch

Ever since I first got my ADAM, I've read articles not only about ADAM, but computers in general. A quite common theme has been what a computer can do for you to make your life easier. I'm sure you know the type. How to balance your checkbook, plan your vacations, keep a mailing list, write correspondence and in general just get your life ORGANIZED. Well, while those articles made just dandy reading, I've never really been one to get THAT organized. I suppose I'm just to danged lazy for that! Besides, long ago I'd justified my computer purchase as a hobby, sort of like the fellow who goes out and spends his dollars on a classic car or on archery or what have you. I just plain LIKE ADAM and what I can do with it and the folks I've met. And so I was quite satisfied with that.

Now as many of you gentle readers may know, I'm the telecommunication editor for A.N.N. That's because using my ADAM and my modem is my true passion! I love making those long distance calls to bulletin boards in the wee hours of the morning. I love downloading files. I love "talking" to my fellow ADAM users. It's just plain what I DO with my computer. And in my "travels" over the phone lines, I found out about Fidonet. Without going into it in any specific form (which is NOT the purpose of this article.), Fidonet is a loose collection of Bulletin Board Systems which pass messages back and forth throughout the U.S., Canada and the rest of the world. Thanks to this tremendous system, I'm now in close contact with many of the ADAM community across the continent. There is a specific ADAM section for our use, just as there are other specific topic areas of interest, from Education to Star Trek. The best thing about this is that it is FREE!! And it is generally a local BBS call away. As you may imagine, I took to this like a duck to water.

When I first started getting involved with Fidonet, I was calling Orlando, FL to access it. I was using the same BBS that Patricia Herrington used. Back in those "early days" (fall of 1991!) there weren't a lot of us ADAMites on the Fidonet system. But soon, Barry Wilson came online. Now, as my more astute readers may already know, Barry is good at getting information out to folks and pushing what he considers a good thing. He went about publicizing the Fidonet and a good job he did! Before I knew it, more and more folks were joining up online. This was terrific! But as more and more came aboard, I began to wonder why I was still calling down to Orlando to get on while others were making their calls local. I decided to try my local BBS's and see what I could do. To make a long story short, after calling around for six weeks, I found one that agreed to bring in the ADAM ECHO so I could call local! I was quite amazed as the sysop who agreed to do this had a Macintosh BBS and almost ALL of his message bases revolved around Apple computers. But he was nice enough to do this for me! Note the key word in the previous sentence, NICE. In a way, this is what started my problem. This sysop is friendly, courteous and helpful. He runs a good BBS. Trouble with that is, his users appreciate what he does and reciprocate by CALLING. Boy, do these Mac owners call! This BBS is busy, busy, busy. So busy, it was difficult for me to get through. No matter WHEN I called, the phone line would be busy.

I had even tried autodialing and even with that, it would take two hours to get a free line to get in. Seeing how even a dedicated chap like myself has other things to do, I began to think that it would be great if I could call at a time when no one else did. Traditionally, a BBS will have few or NO callers at mid-morning or early afternoon. Well, that's fine and dandy, but I'm at work at those hours! But I kept thinking about it. What if there were a way to call the BBS at say, 8:30 or so? I could go in and get them messages with no muss or fuss. I kept getting more and more frustrated. Remember how I said I'd read where a computer is supposed to HELP you? Why couldn't this dumb ADAM just call up by itself while I was at work and capture all the new messages to a file and have them ready for me when I got home from work? I thought and

thought about this until finally, a glimmering of an idea came to me.

Could I really have ADAM do this for me? What all would it take? And would this be something that ADAM, not an IBM CLONE, could do? Well, I knew the software was available. Through a TDOS based telecommunications program called QTERM, one could direct the modem to dial a number, connect, initiate log on, open a capture buffer and get all the new messages since ones last call. It would then close the file and log off properly. Rob Friedman had "discovered" this program and was pushing it as a cheap way to use Compuserve. Thanks to Rob and a fellow named B.J. Woodside, I was using said program to do just that on Compuserve.

Okay, that was a fine start. I went in and did some simple substitutions to get QTERM to call my local BBS rather than Compuserve. After much trial and error, I succeeded! But I still had to be in front of ADAM in order to boot the silly thing. It was nice in that I could get it started, then walk away. But it STILL was a matter of hours before I could get through. Not what I had in mind at all. It would be much better if ADAM could just "wake up" and do this on his own. Stupid computer! I figured it was up to me to figure out how to wake him up and get him going!

Now, at ADAMCON 03, I had purchased from Alan Neeley his ADAM Home Automation Package (AKA: X-10 Home Control Interface). Wasn't sure at the time what I was going to do with it, it just seemed like such a clever device that I bought it at the ADAM Store. What the X-10 does is allow you to control the electrical outlets in your home, causing them to turn on or off at specified times. EUREKA! IF I plugged my ADAM into this here magic device, it would come on when I wanted, like maybe 8:30 in the morning? Great, now I was on to something! I had a program that could call a BBS unassisted and I had the ability to turn ADAM on whenever I wished. But how was I going to BOOT the program?

TDOS to the rescue! QTERM is a TDOS program, but how could I get it to boot up by itself? Well, TDOS has a clever little thing called a SUBMIT file. A submit file allows one to "automate" what one is going to do in TDOS. And one of these submit files is a special one called PROFILE.SUB. This is very much like a HELLO program in SmartBASIC in that it executes at bootup and does whatever the file calls for, first thing. Thanks to Guy Cousineau, I'd learned enough about TDOS to be able to write my own PROFILE.SUB so that it would cause QTERM to boot up all by itself! Better and better. I was getting closer all the time.

Bear in mind that I wasn't exactly operating in a vacuum here. I had been discussing this very thing on the ADAM ECHO all along and getting advice. The final piece of advice that caused this to all come together was that when one has their 720K disk drive set up as drive one and one powers up ADAM, it does not "spike" the disk. That is, nothing on the disk is damaged or lost. This is not always the case with a 160K or 320K disk drive. So I insured that I had my ADAM setup with the 720K drive in the number one position. AND IT WORKED!!

From start up to finish, this was my answer. I have my X-10 programed to turn the wall outlet on at 8:30 AM. I have ADAM setup with the 720K disk drive in the number one position. On that disk, I have a PROFILE.SUB which causes my telecommunications program, QTERM, to run. QTERM calls my local BBS, opens a file called SEA.MES and writes the new messages to it. It then logs off and QTERM quits. I have the X-10 programed to turn off at 10:00 AM so as to save electricity. I can then come home from a hard days work and read all my new messages at my leisure!

Now, I realize that I just made this all sound as if I sat down one evening

## PUT IT IN WRITING!, CONTINUED FROM PAGE 8

extension of the new file. It isn't required that you have a filename and type to open a file; later on when you close it, you will be required (by VDE) to name the file. This procedure works well enough, but I advise against opening a new file without naming it on the command line. It is possible to make mistakes when naming the file and it is possible to get hopelessly hung up in the process! For example, when you exit a file (or even save a file and continue editing) you will be prompted for a filename at the top of the screen thus the correct procedure is to enter a normal filename (and filetype, if appropriate). But if you hit just about any key except a regular letter, you will be hopelessly fouled up. For example, if you hit the Escape key or any control character the screen will blink and prompt you for a name. Only from here on, nothing will be accepted! The only way out is a COLD BOOT! And I have encountered a time or two when even that won't resolve the problem. It may require that you completely power down. Naturally, anything you may have written will be lost. There is nothing wrong with waiting until you are ready to exit to name the file, but, on the other hand, I can't think of any good reason for not naming the file on the command line. You can always rename it later, or for that matter, rename it while under the control of VDE.

---

## EXPLORING SmartBASIC, CONTINUED FROM PAGE 9

reporting all the line numbers being executed. Unfortunately it does not set up a VIEW window and winds up writing line numbers all over the screen: that could be a major project for a BASIC re-write. Furthermore, if your program uses cursor control commands like HOME, VTAB, and HTAB, your line number trace will be hard to follow. The command can be useful if used wisely.

**NOTRACE** turns the TRACE off. These 2 commands can be used together to isolate the routine under review:

```
100 INPUT x,y
110 GOSUB 1000
.......
999 PLOT subroutine
1000 TRACE
1010 IF x>39 GOTO 1050
1020 IF x<0 GOTO 1060
1030 IF y<0 GOTO 1070
1040 IF y>39 GOTO 1080
......
1100 PLOT x,y
1110 NOTRACE
1200 RETURN
```

In this example, the trace will only be active while the subroutine at 1000 is being executed. This presumes that all branches of the subroutine eventually wind up at line 1110 to turn TRACE off.

This concludes the review of elementary control commands. There are a few other control techniques which will be covered in other articles.

---

## A LITTLE OF DIS, A LITTLE OF DAT, CONT. FROM PAGE 12

and said "Hey, why don't I figure out a way to get online automatically?" and then presto, three hours later I had it all done. Nothing could be further from the truth! It took many months with much trial and error before this came to pass. And to tell the truth, gentle reader, I'm just plain amazed that I could pull it off. But like many things that get done in the ADAM community, I could NOT have done it alone. I'd like to thank Rob, Woodie, Guy and Bob Blair (it was he who pointed out that the 720K wouldn't spike on power up). I'd also like to thank all the patient users of Compuserve and Fidonet ADAM Echo, all of whom had to put up with MONTHS of my stupid messages, asking for help!

The bottom line is, with a "little of dis and a little of dat", you too can get ADAM to REALLY work for you!

See ya on the boards!

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## DELVING INTO SmartBASIC GRAPHICS, CONT. FROM PAGE 10

mode), Graphics Mode 2 (GR, HGR, HGR2 modes in BASIC), Multicolor Mode and 40 column text mode. Since the VDP is a seperate chip, it is sent its data by the Z-80 through a port.

In our next issue, we'll explain more about the Z-80 processor and the VDP. We'll discuss Z-80 instructions and show you how to set up registers and execute machine language routines.

The program below is designed to prepare you for what we will delving into over the next following months. It is divided into 4 major parts: The Scroll Program, The Set Up for Down Scrolls, The Set Up for Up Scrolls and Set Up and Execution. The Scroll Down 8 Pixels and the Scroll Up 8 Pixels programs utilize these four important routines to create the scrolling effect. The three Set Up programs make it easier to add more features in a small amount of memory. More Next Article!

The Program

```
10 LOMEM: 28000
20 POKE 16149, 255: POKE 16150, 255
29 REM Simple Graphics Set Up
30 HGR
40 FOR X = 0 TO 159 STEP 3
50 HCOLOR = RND(1)*14+2: HPLOT O, X TO 255, X
60 NEXT X
91 REM Scroll Complete Program
92 REM By Scott Gordon
93 REM (C) Copyright 1992 Magic Vision
94 REM This Program may be freely distributed as long
95 REM as it is unaltered and intact. If you would
96 REM like to include these routines in your own programs
97 REM please leave these REM statements (91-99) and give
98 REM credit to the author's routines that are used.
99 REM Thanks.
100 DATA 62, 19, 214, 1, 245, 33, 0, 216, 1, 248, 0
110 DATA 30, 8, 87, 197, 213, 229, 205, 26, 224, 225
120 DATA 209, 193, 122, 198, 1, 87, 30, 0, 197, 213
130 DATA 229, 205, 0, 224, 225, 209, 193, 122, 198, 31
140 DATA 87, 30, 8, 197, 213, 229, 205, 26, 224, 225
150 DATA 209, 193, 122, 198, 1, 87, 30, 0, 205, 0, 224
160 DATA 241, 254, 0, 40, 3, 61, 24, 190, 201
199 REM Set Up for Down Scrolls
200 DATA 62, 19, 50, 16, 107, 62, 214, 50, 17, 107, 62
210 DATA 198, 50, 39, 107, 50, 69, 107, 62, 0, 50, 79
220 DATA 107, 62, 61, 50, 82, 107, 195, 148, 107
299 REM Set Up for Up Scrolls
300 DATA 62, 0, 50, 16, 107, 62, 198, 50, 17, 107, 62, 214
310 DATA 50, 39, 107, 50, 69, 107, 62, 19, 50, 79, 107, 62
320 DATA 60, 50, 82, 107, 195, 148, 107
399 REM Set Up & Execution
400 DATA 120, 50, 27, 107, 50, 58, 107, 121, 50, 43, 107
410 DATA 50, 73, 107, 122, 50, 18, 107, 50, 40, 107, 50
420 DATA 70, 107, 123, 50, 24, 107, 124, 50, 55, 107, 195
430 DATA 15, 107
499 DATA Scroll Down 8 Pixels
500 DATA 62, 1, 50, 25, 107, 1, 0, 0, 17, 0, 1, 38, 31
510 DATA 205, 86, 107, 62, 0, 50, 25, 107, 201
599 DATA Scroll Up 8 Pixels
600 DATA 62, 1, 50, 25, 107, 1, 0, 0, 17, 0, 1, 38, 33
610 DATA 205, 117, 107, 62, 0, 50, 25, 107, 201
2000 FOR X = 27407 TO 27618
2010 READ ML
2020 POKE X, ML
2030 NEXT X
5000 REM To Scroll Down 8 Pixels simply CALL 27575
5010 REM To Scroll Up 8 Pixels simply CALL 27597
```

---

If you have questions or comments about this series of articles, please feel free to write me a letter at any time: Scott Gordon - 12503 King's Lake Drive - Reston, VA 22091. Until next time!
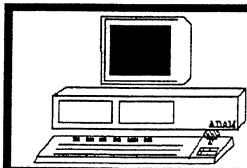
# ADVENTURES IN CP/M & TDOS
## Public Domain Reviews and Updates
## by Doug Rosenvinge

We are completing our listing of the contents of the N.I.A.D. CP/M 2.2 Public Domain Library.

## N.I.A.D. CP/M 2.2 CNDV VOL. #49

⇨ CFA10.LBR    File Utility    Change File Attributes utility and moves files to different user numbers.

⇨ XCAT42.LBR    File Utility    Cross reference program for MCAT disk catalog program.

⇨ COMPARE3.LBR    File Utility    Compares 2 binary files and shows address of discrepancies.

⇨ SD132.LBR    File Utility    Super Directory also checks LBR, ARK or ARC files.

⇨ CUT10.LBR    File Utility    Cuts files into smaller ones.

## N.I.A.D. CP/M 2.2 CNDV VOL. #50

⇨ ENTAB.LBR    File Utility    Replaces spaces with tabs in source code files.

⇨ WS-MAIL    WS 3.3 Utility    Mailmerge for WordStar 3.3 for labels and envelopes.

⇨ WS4-DIAB.FIX    WS4 Info.    Fix for using a Diablo printer with WordStar 4.0.

⇨ WS4CPM.*    WS4 Info.    List of new features in WS 4.0 and a PR announcement for WS 4.0. (*.NEW & *.PR)

⇨ WS4PRNDV.LBR    WS4 Info.    Use two printers with WordStar 4.0.

⇨ WSCTRL-Y.INF    WS Info.    Change the Control-Y delete command in Wordstar.

⇨ WSHEAD.TXT    WS Info.    Information on using WordStars headers and footers.

⇨ WSMAGIC.TXT    WS 3.3 Info.    Tips for speeding up WS 3.3 editing functions.

⇨ WSOVR12.ASM    WS 3.3 Info.    Various patches for WordStar 3.3.

⇨ WSREVIEW.TXT    WS4 Info.    A review of WordStar 4.0 for CP/M.

⇨ WSSCRIPT.PAT    WS 3.3 Info.    Describes how to patch WordStar 3.3 to allow super and subscripts.

⇨ WSWLDCRD.TXT    WS Info.    Information on how to change WordStar's search wildcard.

⇨ SOFTEN.LBR    Editor Utility    Convert ASCII text files to WordStar files.

⇨ JUSTIFY.LBR    Editor Utility    Right, Left or fully justify text files.

## N.I.A.D. CP/M 2.2 CNDV VOL. #51

⇨ DBL-401.ARC    Print Utility    Print ASCII files in 2 columns compressed print. 2 pages per page to save paper.

⇨ EXPRESS.LBR    Editor    A full screen text editor. This is a sample version (V1.0). Has macros.

⇨ FANFOLD5.ARC    Print Utility    Prints text files on both sides of fanfold paper. Requires Turbo Pascal.

⇨ FILT-7A.ARC    File Utility    Filters out control codes. Sets tabs in ASCII/ASM files. Makes WS files ASCII.

⇨ FINREP28.ARC    File Utility    Fast search and replace utility for ASCII or HEX files.

⇨ HRD/SFT.ARC    WS Utility    Transfer non-WordStar files to or from WordStar file format. Max file size 48k

## N.I.A.D. CP/M 2.2 CNDV VOL. #52

⇨ TWOCOL.BAS    WS Utility    An MBASIC program, formats 2 column newspaper style Wordstar documents.

⇨ DICTNU.LBR    Diction Check. Limited grammar checker to eliminate wordy phrases.

⇨ APPEND.ARC    File Utility    Append one file to another. (PIP.COM can do this too.)

⇨ UNSCRUB.    WS Utility    Makes ASCII files WordStar documents getting rid of extra CRLF carriage returns.

⇨ FILT.    WS Utility    Removes WordStar dot commands. Companion to TWOCOL.BAS.

⇨ CHOPVDE2.ARC    File Utility    Divide ASCII, VDE, and WordStar nondocuments into smaller files for easier editing.

⇨ WSRESQ14.ARC    WS Utility    Recover file in memory in case of a WordStar crash.

⇨ WSTWOCOL.ARC    WS Utility    Prints WordStar files in two columns.

⇨ WSUTIL-1.ARC    WS Utility    Useful utilities for WordStar version 3.3.

⇨ SCRUB.    WS Utility    Makes a Word Star document an ASCII file.

⇨ LABLDISK.ARC    Disk Utility    Make labels for your disks. ASM file included for printer modifications.

⇨ SYA13.LBR    WS Utility    A program to recover files in memory in case of a Word Star crash.

⇨ DB2MENUS.ARC    dBASE Utility    Create menus for dBASE II applications. Has built in help database.

⇨ MAGE31.ARC    WS Utility    Recover WordStar files in memory in case of a WordStar crash or disk full. (V3.1)

## N.I.A.D. CP/M 2.2 CNDV VOL. #53

⇨ ALPHATXT.ARC    Print Utility    A text formatter that allows use of printer codes.

⇨ PAN1091.    Print Utility    Printer utility for the Panasonic KX-P1091 printer.

⇨ IMAGEPRT.LBR    Print Utility    Full featured Epson/Panasonic KX-series printer program.

## N.I.A.D. CP/M 2.2 CNDV VOL. #54

⇨ VDE266.*    Editor    Video Display Editor, version 2.66. Help file also on this disk. Powerful screen based text editor.

⇨ VDE266SP.LBR    Editor Utility    Screen Writer's patch and add-on to VDE266.

## N.I.A.D. CP/M 2.2 CNDV VOL. #55

⇨ FORTH-83    Language    Forth for the ADAM. This is version 2.0 of Forth-83. Two disk set #55 A & B.

## N.I.A.D. CP/M 2.2 CNDV VOL. #56

⇨ FILEBASE    Database    A database program uses comma delimited records. Unusual features. Two disk set #56 A & B.

⇨ UNZIP099.LBR    File Utility    Unzips zipped files ending in ".zip"

## N.I.A.D. CP/M 2.2 CNDV VOL. #57

⇨ BARSOOM.*    Game    A text adventure game that takes place on Mars. Has SAVE feature.

## N.I.A.D. CP/M 2.2 CNDV VOL. #58

⇨ AN12.LBR    WS Utility    WordStar utility to make sure that ^PA and ^PN commands are paired.

⇨ FORM7.LBR    Program Utility    A programmer's tool for formatting

source files. Good documentation.

⇨ PACMAN95.*      Game      Pacman for TDOS but should have 80 column screen to play.
⇨ Q.LBR            System Utility    A program to demonstrate CP/M's processing of command tails.
⇨ QUATRIS2.LBR    Game      TETRIS for your ADAM. Addictive fun! 80 column display a must.
⇨ KLIST16.LBR      Database   KWIKLIST small menu-driven list manager-shareware demo.
⇨ SORTMK22.LBR    File Utility    A multi-key sort utility: up to 9 keys and about 20K max file length.

## N.I.A.D. CP/M 2.2 CNDV VOL. #59

⇨ HANDY2.01       Productivity     Appointments; To Do; Reminders; Quart Calendar; Phonebook; Decision maker; 9 modules.

## N.I.A.D. CP/M 2.2 CNDV VOL. #60

Disk 60 is titled "Guy's Favorite CP/M Utilities, Vol. 1"
⇨ BIGFILE.LBR      File Utility     Divides large files and combines two files into one.
⇨ BIPRINT.LBR     Adam Printer   Allows files to be printed on an ADAM printer in bi-directional mode.
⇨ DIRECTOR.LBR    Disk Utility     Three programs for providing sorted disk directories.
⇨ DISK.DIR        Information   Describes the contents of this disk.
⇨ FINDSRCH.LBR    File Utility   ASCII file search programs.
⇨ MAINT13.LBR     Library Utility   A library maintenance program.
⇨ SORTCOL.LBR     File Utility   Sorts datafiles based on specified columns.
⇨ STYPE11.LBR     File Utility   Types squeezed and crunched files to screen.
⇨ TYPELZ21.LBR    File Utility
⇨ UNDEL12.LBR     Disk Utility   Un-Deletes erased files.
⇨ VDEJUS11.LBR    VDE Utility   Right justifies Video Display Editor documents.

# A FINAL WORD...

This is the final listing of the contents of the N.I.A.D. CP/M 2.2 CNDV Library. Our library is still growing. I have a number of other files to place on disk and to include in the near future. If you have a program that is CP/M 2.2 or TDOS public domain or shareware that is not in the library already we would appreciate having a copy contributed that could be placed into the library for the benefit of other ADAM users.

Next time a review of the latest TDOS release (V4.59) plus other new disks from Guy Cousineau that will be added to the library when fully completed and tested.

# REPLY TO MAIL

If you have a specific question or suggestion for my column, you can write to me at:

Doug Rosenvinge
10 North River Rd.
Coventry, CT 06238

Please enclose a Self-Addressed and Stamped Envelope if you would like an individual reply.

## N.I.A.D. PUBLIC DOMAIN SOFTWARE FOR CP/M 2.2 & TDOS

## CP/M 2.2 CNDV VOL. #1 THRU #60

## PRICE: $4.00 @ ON DISK, $6.00 @ ON DDP

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# TDOS HARD DRIVE PRECAUTIONS
## Part I: Making Backups is a Must
### by Guy Cousineau

Once you have installed a hard drive on the ADAM, you are ready for speed. Particularly under TDOS, you will be amazed at how much faster programs load in and execute, especially if they work with large data files. Don't let your system grind down to a halt by disk failure! Follow these recommended procedures to minimize the impact of various crashes.

## MAKE BACKUPS

For the E.O.S. system, use FILE MANAGER Vx.x or equivalent to periodically backup each logical drive. Start by CRUNCHING the files on the drive by using the HARD DISK MAINTENANCE MENU. Then use FILE MANAGER's edit directory function to select consecutive files which total less than 160K or less than 320K depending on your disk size. You can then return to the FILES menu and tag groups of files for copying to the backup disks. You should use a group of backup disks for each logical drive; name these EOS-0-1, EOS-0-2, EOS-1-1, EOS-1-2, etc.

Making BACKUPS for TDOS can be simplified by using the MAINT program which is usually distributed with TDOS. If you don't have it, ask around. The MAINT documentation gives detailed procedures on using the ARCHIVE features of MAINT and TDOS to update backups for only the files which have been modified. Be warned that some programs which use data files or overlays may not always reset the archive bit when making updates. Take note of these files or programs and remember to reset the archive bit with MAINT after they have been modified.

If you have a double-sided disk drive, you will get the most out of TDOS if you organize your hard drive user areas into small groups of files totalling 300 to 500K. When CRUNCHED, these files should fit on a double-sided disk. In this way, you can have ONE backup disk for each logical drive. If ever you find that all your files don't fit on a disk, have a look at the directory and try to split it into 2 related directories. This may involve shifting some user areas around to keep related directories together.

## CRASH RECOVERY

One type of hard drive crash can be the loss of block zero. This block contains information essential to the operation of the hard drive. If that ever goes, your hard drive will be totally disabled. In most cases, all you need to do is rebuild the block 0 to get yourself going again; see below for details.

Another type of hard drive crash can be caused by the loss of part of a file due to CRC or other problems. If you get a CRC error on a file which does not rectify itself after a few retries, try recovering your latest backup. If that works out then you're back in business. You should also run BADDISK or another equivalent program to find defective sectors on your hard drive. You will likely find after a few months of use that you have a few more bad sectors than previously. Once these get to be too numerous, you should reformat the drive.

The worse type of crash involves the loss of format information on the drive. Symptoms of this are numerous CRC errors or even worse, MISSING BLOCK errors. In that case, backup what you can and reformat the drive.

Next time out, creating a BACKUP SYSTEM DISK and further CRASH RECOVERY methods.

# CAN'T BEAT THAT PRICE!!
## Public Domain Reviews and Updates
### by Jim Notini

## SUPERIOR SOFTWARE ENDV VOL. #1

Pro. Golf Champ was originally commercially released by Superior Software's Derick May in 1987. It is the most realistic golf game ever developed for the ADAM. Fully auto-loading, great graphics (even the golf ball gives a shadow in motion), sound, movement, hazards, angles and wind diagrams, clubs - pick and learn about distance, so much more. From beginner to expert, this game will sharpen your skills. Included within the game are full detailed instructions.

## SUPERIOR SOFTWARE ENDV VOL. #2

LinkBuilder was originally commercially released by Superior Software's Derick May in 1988. It allows one to build your own courses for Pro Golf Champ! Use the joystick to make them as tough or as easy as you like. Compile course libraries; emulate holes in your favorite golf course. All parameters are user definable: par, tee, green, cup, text window locations, etc. Not only will LinkBuilder allow you to build new courses, but it will also improve the graphics of the original Pro Golf Champ courses. Completely auto-loading with the builder program, formatter for creating course disks or DDPs, an original 18 holes to start you off and detailed SmartWRITER documentation.

## SUPERIOR SOFTWARE ENDV VOL. #3

AFL Football was originally commercially released by Superior Software's Derick May in 1989. It is a two-player statistically oriented football game. Choose from more than 15 options on offense; 5 on defense. Graphic presentation of field position. Individual and team stats shown at halftime and game end. Run leagues; computer automatically keeps and updates your team's progress. Keep records (most sacks, most passing yardage, etc.). Build your own team from scratch and play your street team against your favorite pros if you like. Completely auto-loading with detailed SmartWRITER documentation.

## SUPERIOR SOFTWARE ENDV VOL. #4

SuperiorBASIC V3.0 was originally commercially released by Superior Software's Derick May in 1987. This is Basic the way it should have been in the mind of the programmer! Enhancements include 40 column text mode with working INVERSE and FLASH (original TEXT remains in it's entirety), sound and color commands. Also built-in: user definable macros! Define any SmartKEY to equal any string of Basic commands (six commands already defined). All enhancements are completely built-in which means no need for a HELLO patch program. Various other bugs and shortcomings fixed. Complete with documentation and demo programs.

## VIDEOTUNES SONGS VNDV VOL. #4

A collection of 34 song files for use with FutureVision's VideoTunes and or Bonafide Systems' VT-Player, etc. Some of the songs that are on this volume include: Yankee Doodle Dandy, America, Star Spangled Banner, Marine Hyme, Dixi, Bathlehem, O' Christmas Tree, Hark! and We Three Kings.

## C.G.P. PIX VOL. #4

A collection of 13 pictures files for use with the Coleco Graphics Processor program which is also available on disk or data pack in the public domain or on cartridge for $29.95. Pictures included on this volume were captured from such popular Coleco carts and ADAM software as: Tapper, Dragon's Lair, Best of Broderbund, Donkey Kong, Donkey Kong Jr., Super Buck Rodgers and Super Front Line Demo. These pictures can also be converted for use with PowerPAINT.

## N&B PIX VOL. #31

A collections of 14 picture files for use with PowerPAINT by Digital Express Inc. that were originally commercially released by ADAMzap Software's Eric Danz as Paintings Vol. #1 and 2 in 1987. All pictures are stored in PaintMaster (by Strategic Software) format and can be loaded by numerous other programs besides PowerPAINT.

## N&B PIX VOL. #32

A collection of 13 picture files for use with PowerPAINT by Digital Express Inc. that were originally released by ADAMzap Software's Eric Danz as Paintings Vol. #3 in 1987. All pictures are stored in PaintMaster (by Strategic Software) format and can be loaded by numerous other programs besides PowerPAINT.

## P.D. SIGNS SNDV VOL. #4

A collection of 50 picture files for use with either SignSHOP or NewsMAKER by Strategic Software that were originally commercially released by ADAMzap Software's Eric Danz as Signs Vol. #1 and #2 in 1987. All 50 picture files are stored in SignSHOP format for immediate us in either program.

## ADAM INFORMATION MANAGER

Tremendous auto-running demo program that was created by Chris Braymen and Ron Collins. It was originally used to greet delegates at ADAMCON 04 in Mentor, Ohio. Cycles through over 50 advertising screens with an array of background music playing at all times either through a MIDI instrument or your TV / monitor speaker. Includes some truly fantastic special effects and is completely programmed in SmartBASIC. Only available on 3 1/2" 720K diskette.

## PINBALL GAMES PNDV VOL. #8

A collection of 12 pinball games for use with Pinball Construction Set which is part of the public domain package titled The Best of Electronic Arts. The pinball games media is completely auto-booting so Pinball Construction Set is not required to play these games, but if you want to edit the pinball game layout than it is required. Included SmartWRITER documentation.

## A NOTE ON PUBLIC DOMAIN...

The N.I.A.D. PUBLIC DOMAIN LIBRARY has continuously grown since N.I.A.D. was first created thanks to the support and contributions of many and we thank all who have helped assemble this huge collection. Of late, however, there haven't been a lot of contributors so don't forget that if you have PUBLIC DOMAIN software you can send it in and trade for a title in our library at NO COST - EVEN EXCHANGE. So come on folks, let's see what you got!

# PRODUCT REVIEWS

## BEAT THE BANDIT
### By The Maine ADAM Library
### Reviewed by Dale A. Millard
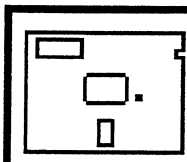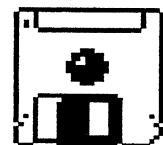
**TYPE**
ENTERTAINMENT

**RELEASED**
APRIL 1992

**PRICE**
$6.00 THRU M.A.L.

**MEDIA**
DISK OR DDP

Beat The Bandit (Bandit for short) is a recent release from Bob Sebelist and the Maine ADAM Library. If you enjoy playing with Lady Luck, ADAM style, then this is the software for you. Bandit is a collection of four games of chance that run under SmartBASIC V1.0. Besides Bandit there are three P.D. games included, and a SmartWRITER "doc" file.

Upon booting up the software you are greeted by a title screen and are serenaded by a short melody while SmartBASIC, and Bandit are loaded. The screen is then filled with an excellent reproduction of a one-arm bandit (slot machine). The bottom of the screen has the familiar SmartKEY display in which three of the keys are used. The amount of the bet starts at 50 cents and with each press of SmartKEY I the bet increases an additional 50 cents. The maximum allowed wager is $10.00. To the right of SmartKEY I is the payoff window which shows the amount of your winnings on a lucky pull of the Bandit. Next is SmartKEY V which pulls Bandit's arm and starts the cherrys, lemons, oranges, bars, and bells spinning in the three slot machine display windows. SmartKEY VI is used to exit the game, and return to SmartBASIC.

At the beginning of Bandit your are instructed to "press any key." This will start the fruit bars spinning in the three display windows and give you an automatic win of $100.00 to get you going. From then on it's win or lose till your $100 in gone. Each pull of the Bandit's arm gives you Vegas style sound effects and a randomized mixture of fruits, bars, bells, and Lucky 7s'. There are winners and losers with each pull of the arm. In the center of the on screen one-arm bandit is a box listing your remaining cash balance. If you still have some money left, and wish to end the game then press SmartKEY VI. You will then be instructed to insert the game media back into the drive, and press any key. ADAM will then ask you to enter your name. When your name has been entered the drive unit will activate, and the screen will display the Bandit Scoreboard. The scoreboard lists the top 14 players and their totals. After viewing the scores, press any key and exit to SmartBASIC.

Once back into SmartBASIC, catalog the media, and type "brun PATIENCE". This will load up what I think is the more challenging game on the media. PATIENCE is a card game like Solitaire. Cards are dealt in seven columns with one card in column number 1 and seven cards in column number 7. Only the last card in each column in turned face up. Exposed cards are moved in descending order from Kings to Aces and in alternating suit colors (red-black-red-etc.) If one of the seven columns becomes empty it can be only filled by a King. The rest of the cards are dealt out three at a time into a waste pile.

Before you start the game you must have game controller number 1 plugged in. This game uses only the controller for input. At the start of the game you will be again greeted by a title screen, and then asked to press the "*" button on the game controller. You will then be asked if you want instructions yes/no. The instructions included explain the game play pretty well. After you have answered yes/no, ADAM will ask you to enter your name. The deck of cards will then shuffled and the game begins. There is no sound during this game, but the graphics for the card suits are good. The numbers 1 to 7 on the key pad are used to move cards between columns. The "*" button will deal out the cards in hand. There is no limit to the number of deals you may have. The "#" button will move a card into the foundation starting with Aces. Cards placed into the foundation are in ascending order from Aces to Kings in the correct suit. The left fire button on the controller will end that game. A screen will appear showing the number of wins and losses along with prompt asking if wish to end or continue. If you choose to end the game the PATIENCE Scoreboard will appear showing your name, the number of games played, the number of wins, and losses. After the scoreboard any key press will exit you to SmartBASIC.

The third game in the collection is BLACKJACK. After "run BLACKJACK" is entered the game will start you off with $500.00. You will asked to enter your wager, and the cards will be dealt. The amount of the wager is entered with the number keypad. The left fire button corrects an error in wagering, and the right button enters your wager. The dealer (ADAM) receives two cards, one up, and one down. You are dealt two cards face up. This game again uses controller number 1 for play. There is no sound effects, but the graphics on the cards are great. The dealer has to draw a card on a total of 16 or less. You can either stay with the cards you have by pressing the left fire button or draw a card using the right fire button. Take as many cards you as like provided you do not bust by totaling more than 21. Aces are counted as one or eleven. BLACKJACK is a pretty straight forward version of the game. The game does not provide for splitting pairs or doubling down on a 10 or 11 total as the real card game would.

The fourth and final offering is KENO. "Run KENO" and the game is started. There is no graphics or sound with this game. There are instructions prompting you along the way. The game uses the keyboard for input. You as a player enter in 8 numbers from 1 to 80 inclusive. If any duplicate numbers are entered ADAM will tell you to input a new number. ADAM will then pick 20 numbers of it's own. The computor will then compare your choices to his, and then list out your correct gue sses. You will then be asked if you want to play again or quit. A quit response will exit you into SmartBASIC.

### THE MAINE ADAM LIBRARY
c/o BOB SEBELIST
P.O. BOX 85
WATERFORD, ME 04088
(207) 583-4923

## SYSTEM REQUIREMENTS

- **MEMORY:** BASE ADAM SYSTEM WITH R80 REVISION
- **PRINTER:** ADAM PRINTER AND OR DOT MATRIX PRINTER
- **DRIVES:** 1 OR MORE DISK DRIVES AND OR DIGITAL DATA DRIVES
- **OTHERS:** JOYSTICK
- **OPTIONS:** MEMORY EXPANDER TO CREATE A RAMDISK

## SOFTWARE RATINGS

- GRAPHICS / SCREENS.....................A+
- MUSIC / SOUND..............................B
- INSTRUCTIONS...............................C
- EASE OF USE..................................A+
- VALUE FOR THE DOLLAR.................A+

## OVERALL

# A-

# BIRTHDAYS & ANNIVERSARIES
## By The Maine ADAM Library

## Reviewed by Jim Notini

- **TYPE:** PRODUCTIVITY
- **RELEASED:** JANUARY 1992
- **PRICE:** $8.25 DISK

Birthdays & Anniversaries is a dedicated database program that has been developed by Bob Sebelist of The Maine ADAM Library. Birthdays & Anniversaries (B&A for short) allows for the creation of database records that contain a persons name and address as well as a special date. B&A is fully SmartKEY driven, supports either the ADAM Printer or a dot matrix printer, and uses a high resolution graphics for it's entry screen and text display.

To start out you will want to read the SmartWRITER documentation file contained on the media. Once you have read through the instructions you will be ready to load the program by inserting the disk and pulling the <COMPUTER RESET>. A title screen is the first thing you will see followed shortly thereafter by the need to enter the month and year you wish to work in. After this the main menu will be displayed which allows for the loading of the B&A main program, a display of the program credits or to quit to SmartBASIC.

Once B&A is loaded, a SmartKEY display will be provided at the bottom of the screen along with an information bar. SmartKEY I and II allows for the user to increase or decrease respectively the month currently being worked on. SmartKEY III is not currently implemented. SmartKEY IV allows for the creation of a mailing label. SmartKEY V takes you into the editor portion of B&A.

Once you enter the editor, you will be asked if you want to quit, change a record or add a record. A total of 13 records is the maximum allowable for each month. After choosing change or add the user will be prompted to enter in the first and last name, street address, apartment or suite number, town or city name, state, zip code, reference name and the birthday or anniversary of the person. This continues until you decide to quit the entry of records. Once you quit back to the main menu, an index of all the records for the month will be displayed on the screen.

Birthdays & Anniversaries is a very simple database program which does not offer all the bells and whistles that are provided in other ADAM databases. It does not allow for any search or sort functions, special printing formulas, etc. However, for the price it provides a very easy means to keep track of addresses and special dates while providing all this information in a rather off beat manner for a database program. Overall, I would not recommend it if you already have a database program like SmartFILER or a CP/M compatible database program. B&A does not break any new grounds in database programs for the ADAM but it is a nice little program that some may find very useful.

## SYSTEM REQUIREMENTS

- **MEMORY:** BASE ADAM SYSTEM WITH R80 REVISION
- **PRINTER:** ADAM PRINTER AND OR DOT MATRIX PRINTER
- **DRIVES:** 1 OR MORE DISK DRIVES AND OR DIGITAL DATA DRIVES
- **OTHERS:** NO OTHER REQUIREMENTS
- **OPTIONS:** HARD DISK DRIVE

| SOFTWARE RATINGS | OVERALL |
|---|---|
| GRAPHICS / SCREENS....................A- | |
| MUSIC / SOUND.............................C+ | **B** |
| INSTRUCTIONS...............................B | |
| EASE OF USE.................................A | |
| VALUE FOR THE DOLLAR................B+ | |

# ADAM'S CALCULATOR
## By The Maine ADAM Library

## Reviewed by Jim Notini

- **TYPE:** PRODUCTIVITY
- **RELEASED:** MAY 1992
- **PRICE:** $8.25 DISK

ADAM's Calculator is a productivity package that has been developed by Bob Sebelist of The Maine ADAM Library. ADAM's Calculator is designed to be your so-called pocket calculator with a graphic depiction of a calculator displayed on screen. It's primary functions are addition, subtraction, division and multiplication. Also included is: square root, to the power of, percentages and hexa-decimal / decimal equivalents.

To start out you will want to read the SmartWRITER documentation file contained on the media. Once you have read through the instructions you will be ready to load the program by inserting the disk and pulling the <COMPUTER RESET>. A title screen is the first thing you will see followed shortly thereafter by the graphic depiction of the calculator.

Once completely loaded, the program will await your mathematical equations to be inputed via the keyboard. The calculator's keys are color coded with the visual key structure as follows:

    **BLUE KEYS** - Normal numeric keys from 0-9 and the ( . )
    **PURPLE KEY** - Clears the current memory by pressing "C" and <RETURN>
    **GREEN KEY** - Is the equals key which is initiated by pressing <RETURN>
    **RED KEYS** - All function keys (+ to add, - to subtract, x to multiply, ^ to the power of, ~ square root, % percentage and / to divide)
    **YELLOW KEYS** - Decimal or Hexadecimal initiated by pressing either "D" or "H"
    **Q** - To quit the program

Another thing to remember is that no commas or spaces are allowable due to SmartBASIC limitation when inputing data.

ADAM's Calculator is a very simple a straight forward program. I do not see a real need for this program mainly because it would end up taking much more time to turn on the computer and boot the program than it would be to just take out your trusty calculator. If this program were to be incorporated into Appointment Book (also by the Maine ADAM Library) and somehow be in memory at all times I would find it more useful. Don't get me wrong, it is not a bad program at all, just something that would be much easier and faster to use a regular calculator.

To order Birthdays & Anniversaries or ADAM's Calculator write to or call Bob Sebelist at the address at the end of the Beat the Bandit review.

## SYSTEM REQUIREMENTS

- **MEMORY:** BASE ADAM SYSTEM WITH R80 REVISION
- **PRINTER:** ADAM PRINTER AND OR DOT MATRIX PRINTER
- **DRIVES:** 1 OR MORE DISK DRIVES AND OR DIGITAL DATA DRIVES
- **OTHERS:** NO OTHER REQUIREMENTS
- **OPTIONS:** HARD DISK DRIVE

| SOFTWARE RATINGS | OVERALL |
|---|---|
| GRAPHICS / SCREENS....................C+ | |
| MUSIC / SOUND................................D | |
| INSTRUCTIONS.................................A | **C-** |
| EASE OF USE.................................B+ | |
| VALUE FOR THE DOLLAR..................C | |

# SCREEN SAVER
## By Walters Software Co.

## Reviewed by Jim Notini

- **TYPE:** UTILITY
- **RELEASED:** SEPTEMBER 1992
- **PRICE:** $9.95 DISK, $10.95 DATA PACK

Screen Saver is a new release by Jim Walters of Walters Software Co. that is the first in a series of mini-utilities which will eventually be incorporated into a super upgrade of the ADAM's Desk Top program. Screen Saver is a utility that will prevent damage to your television or monitor screen via two options to blank the screen while the computer is on but not in use. The two screen options are: display a different color on your television or monitor every 5 to 10 seconds or to completely blank out the television or monitor so that it looks like it is off. Both options can be terminated by pressing the ESCAPE key which will in turn boot any cartridge found in the cartridge slot (IE: ADAM's Desk Top). By using this program and either option you will in effect be saving your television or monitor screen from damage. When a computer image is left on for a long period of time that image can be permanently burnt into the screen. Also, turning your computer on for just a few minutes is also very harmful and can damage it's components. To keep your computer healthy leave it on for at least an hour or so every time you turn it on. Using these simple steps will help keep your computer and television or monitor in tip-top shape.

To load Screen Saver, place the disk or data pack into any drive and pull the <COMPUTER RESET> or you may boot it through ADAM's Desk Top with the included BOOT FILE. Once loaded you will be presented with a SmartKEY screen display with the two screen saver options: color option or blank option. Make your choice and then proceed to do what ever other tasks you have to do while your computer still remains on. When you wish to use the ADAM again you will have to press the <ESCAPE> key to exit the Screen Saver program. If a cartridge is found in the cartridge slot, then that program contained on it will be booted (a nice little feature).

Screen Saver is a 100% machine language SmartKEY driven program that is similar in look and use to other Walters Software's programs. The program as a whole is very simple, but it performs a task that has been unavailable to ADAM owners previously. A task of protecting your screen display from burn in that is frustrating to look at and lessons the value of your television or monitor. Screen savers have been around for many years on other computers and are amongst the most popular selling software and have evolved into some pretty interesting programs with some truly amazing screen animations. For the ADAM we are limited to just blank screens with or without color, but the main focus is to protect the screen. Overall, Screen Saver is yet another nice addition by Jim Walters but I would recommend waiting for the ADAM's Desk Top update unless you don't own or plan to purchase A.D.T.

## SYSTEM REQUIREMENTS

- **MEMORY:** BASE ADAM SYSTEM WITH R80 REVISION
- **PRINTER:** NO PRINTER REQUIRED
- **DRIVES:** 1 OR MORE DISK DRIVES AND OR DIGITAL DATA DRIVES
- **OTHERS:** NO OTHER REQUIREMENTS
- **OPTIONS:** ADAM'S DESK TOP, HARD DRIVE

## SOFTWARE RATINGS

| | OVERALL |
|---|---|
| GRAPHICS / SCREENS......................A | |
| MUSIC / SOUND...............................D | **B+** |
| INSTRUCTIONS...............................A+ | |
| EASE OF USE..................................A+ | |
| VALUE FOR THE DOLLAR.................B | |

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# POST-IT!
## By Walters Software Co.

## Reviewed by Jim Notini

- **TYPE:** PRODUCTIVITY
- **RELEASED:** OCTOBER 1992
- **PRICE:** $9.95 DISK, $10.95 DATA PACK

Post-It! is a new release by Jim Walters of Walters Software Co. that is the second in a series of mini-utilities which will eventually be incorporated into a super upgrade of the ADAM's Desk Top program. Post-It! is a program that will help ADAM users with the creation of short notes. As the programmer states, "Why not use your ADAM instead of your refrigerator?". You can also save little notes about your ADAM or anything else you can dream up (even create an appointment book of sorts). Post-It! files take up very little space on a disk or data pack (about 1K) and are SmartWRITER compatible so you can send or give a Post-It! file to a friend even if they don't own Post-It!. Creative use of filenames will allow endless possibilities and uses of Post-It! such as using dates for the filename so you know when to read a certain file.

To load Post-It!, place the disk or data pack into any drive and pull the <COMPUTER RESET> or you may create a BOOT FILE with ADAM's Desk Top and boot it through that program. Once loaded you will have to configure the memory expander if found in the system. Then you will be able to load an already created file or create a new one.

When creating a file you have a maximum of 28 characters per line and up to 12 lines for your text. Editing features are available in the case that you wish to change something in the body of the text. Once completed, you may save the file or print it to the ADAM Printer or a Dot Matrix Printer.

Post-It! is a 100% machine language SmartKEY driven program that is very similar in look and use to all of Walters Software's programs with sharp displays and quick screen updates and their now famous catalog index. I found the program to be quite simple but capable of being used to perform many different functions including database capabilities of sorts. As a whole, it is a very nice little program that I feel will be a perfect addition to the ADAM's Desk Top program but by itself it is lacking.

To order Screen Saver and or Post-It! call or write:

**WALTERS SOFTWARE Co.**
c/o Jim Walters
RD#4 BOX 289-A
TITUSVILLE, PA 16354
(814) 827-3776

## SYSTEM REQUIREMENTS

- **MEMORY:** BASE ADAM SYSTEM WITH R80 REVISION
- **PRINTER:** ADAM PRINTER AND OR DOT MATRIX PRINTER
- **DRIVES:** 1 OR MORE DISK DRIVES AND OR DIGITAL DATA DRIVES
- **OTHERS:** NO OTHER REQUIREMENTS
- **OPTIONS:** ADAM'S DESK TOP, MEMORY EXPANDER, HARD DRIVE

## SOFTWARE RATINGS

| | OVERALL |
|---|---|
| GRAPHICS / SCREENS......................A | |
| MUSIC / SOUND...............................D | **B** |
| INSTRUCTIONS...............................B | |
| EASE OF USE..................................A | |
| VALUE FOR THE DOLLAR.................B | |
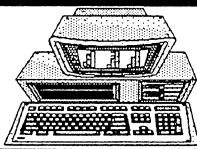
# N.I.A.D. PRODUCT LIST
## PRODUCTS & PRICING SUBJECT TO CHANGE
## PRODUCT LIST EFFECTIVE NOVEMBER 1, 1992

## ADAM HARDWARE

- ADAM COMPUTER SYSTEM (STAND-ALONE MEMORY CONSOLE) ............$239.95
- ADAM COMPUTER SYSTEM (EXPANSION MODULE #3 WITH COLECO) .....$209.95
- ADAM DAISY WHEEL PRINTER.................................................................$109.95
- ADAM DIGITAL DATA DRIVE..................................................................$49.95
- ADAM DISK DRIVE POWER SUPPLY.......................................................$19.95
- ADAM EXP. MOD. #3 MEMORY CONSOLE WITH DIGITAL DATA DRIVE .......$69.95
- ADAM EXP. MOD. #3 MEMORY CONSOLE W/O DIGITAL DATA DRIVE.........$54.95
- ADAM KEYBOARD WITH 7ft. ADAMnet CABLE.......................................$24.95
- ADAM MEMORY CONSOLE WITH DIGITAL DATA DRIVE .......................$109.95
- ADAM MEMORY CONSOLE W/O DIGITAL DATA DRIVE ...........................$89.95
- ADAM MONITOR CABLE WITH AUDIO ....................................................$9.95
- ADAM PRINTER POWER SUPPLY............................................................$49.95
- ADAM PRINTER POWER SUPPLY COVER WITH ON / OFF LIGHT .................$14.95
- ADAM TAN HAND CONTROLLER...............................................................$4.95
- ADAMLINK 300 BAUD MODEM WITH ADAMLINK I (DDP) .........................$49.95
- ADAMnet 7ft. CABLE................................................................................$2.95
- COLECOVISION GAME SYSTEM WITH DONKEY KONG CART.....................$59.95

## EXPANSION MODULES

- EXPANSION MODULE #1 ATARI 2600 ADAPTOR....................................$44.95
- EXPANSION MODULE #2 DRIVING CONTROLLER WITH TURBO CART .......$44.95
- ROLLER CONTROLLER WITH SLITHER CART ........................................$44.95
- SUPER ACTION CONTROLLERS WITH SUPER ACTION BASEBALL CART ...$44.95

## MEMORY EXPANDERS

- M.I. 64K MEMORY EXPANDER .................................................................$29.95
- M.I. 256K MEMORY EXPANDER ...............................................................$69.95
- M.I. 1,024K (1 Mb) MEMORY EXPANDER.................................................$149.95
- M.I. 2,048K (2 Mb) MEMORY EXPANDER.................................................$249.95
- MEGARAM 256K SIPP MODULE................................................................$34.95

## ADAM INTERFACES

- ADAM HOME AUTOMATION PACKAGE (Disk or DDP) .............................$89.95
- ADAM HOME AUTOMATION APPLIANCE MODULE ..................................$14.95
- ADAM HOME AUTOMATION LIGHT DIMMER MODULE .............................$14.95
- ADAM HOME AUTOMATION WALL PLUG MODULE..................................$14.95
- ADAM HOME AUTOMATION WALL SWITCH MODULE...............................$14.95
- BONAFIDE SYSTEMS MIDI-MITE INTERFACE (DDP) ..............................$74.95
- M.I. DUAL SERIAL I/O CARD (Disk or DDP) ..........................................$49.95
- M.I. PARALLEL PRINTER INTERFACE (Disk or DDP) .............................$34.95
- M.I. M.I.B. 3 INTERFACE (Disk or DDP) .................................................$74.95
- M.I. PARALLEL PRINTER CABLE ............................................................$14.95
- M.I. RS-232 SERIAL CABLE....................................................................$14.95

## DOT MATRIX PRINTERS

- PANASONIC KX-P1180 9-PIN DOT MATRIX PRINTER.............................$199.95
- PANASONIC KX-P1123 24-PIN DOT MATRIX PRINTER..........................$239.95
- PANASONIC KX-P1124i 24-PIN DOT MATRIX PRINTER .........................$329.95

## MONITORS & MODEMS

- GOLDSTAR 2105A 12" AMBER COMPOSITE MONITOR ...................................$109.95
- GOLDSTAR GSM-2400 BAUD MODEM .........................................................$119.95

## FLOPPY DISK DRIVES

- 5 1/4" 320K FLOPPY DISK DRIVE UPGRADE KIT (Disk) ......................$89.95
- 3 1/2" 720K FLOPPY DISK DRIVE UPGRADE KIT (Disk)......................$109.95
- M.I. 5 1/4" 320K ADAMnet FLOPPY DISK DRIVE .................................$199.95
- M.I. 3 1/2" 720K ADAMnet FLOPPY DISK DRIVE .................................$249.95
- M.I. 3 1/2" 1.44Mb ADAMnet FLOPPY DISK DRIVE .............................$299.95

## HARD DISK DRIVES

- M.I. PowerMATE L/C 20Mb HARD DISK DRIVE.....................................$299.95
- M.I. PowerMATE L/C 40Mb HARD DISK DRIVE.....................................$399.95
- M.I. PowerMATE H/P 20Mb HARD DISK DRIVE .....................................$349.95
- M.I. PowerMATE H/P 40Mb HARD DISK DRIVE .....................................$499.95

## PROGRAM EPROMS

- ADAM'S DESK TOP .................................................................................$29.95
- M.I. PowerMATE HARD DISK DRIVE BOOT EPROM ..............................$10.00
- SmartWRITER ELITE...............................................................................$29.95

## ADAM & MISC. ACCESSORIES

- 256K COLECO ADAM DIGITAL DATA PACK.............................................$2.00
- 256K RIGHT DIRECTORY ADAM DIGITAL DATA PACK............................$1.00
- 50 5 1/4" DS / DD GENERIC DISKS WITH SLEEVES AND TABS ...................$16.95
- 25 3 1/2" DS / DD 720K GENERIC DISKS .............................................$16.95
- 25 3 1/2" DS / HD 1.44Mb GENERIC DISKS ..........................................$29.95
- ADAM PRINTER RIBBON - BLACK ONLY .................................................$5.95
- ADAM PRINT WHEEL (3 STYLES: PICA, COURIER, or EMPHASIS) ...............$5.95
- ADAM DUST COVER: PRINTER.................................................................$8.95
- ADAM DUST COVER: KEYBOARD.............................................................$8.95
- ADAM DUST COVER: STAND-ALONE MEMORY CONSOLE ........................$8.95
- ADAM DUST COVER: EXP. MOD. #3 MEMORY CONSOLE ........................$8.95
- ADAM DUST COVER: 5 1/4" OR 3 1/2" COLECO DISK DRIVE ..................$8.95
- ADAM DUST COVER: 3 PIECE SET (KEYBOARD, PRINTER, CONSOLE) .......$21.95
- PANASONIC KX-P110i RIBBON FOR KX-P1080, 1090, ETC ....................$12.95
- PANASONIC KX-P115i RIBBON FOR KX-P1180, 1190, ETC ....................$12.95
- PANASONIC KX-P145i RIBBON FOR KX-P1123, 1124, 1124i, ETC .................$12.95

## ADAM MANUALS & BOOKS

- ACCESSING VRAM MANUAL.....................................................................$12.95
- ADAM PROGRAMMING GUIDE (Disk or DDP) ........................................$15.95
- BASIC PROGRAMMING TUTORIAL WITH SOFTWARE (Disk or DDP) .............$14.95
- E.O.S. PROGRAMMER's MANUAL............................................................$11.95
- EzREF GUIDE 101, 102 & 103..................................................................$9.95
- FROM BASICS TO BASIC WITH ADAM .................................................$19.95
- HACKER'S GUIDE TO ADAM VOL. I .......................................................$11.95
- HACKER'S GUIDE TO ADAM VOL. II .......................................................$11.95
- O HACKER'S GUIDE VOL. I & II PROGRAMS (Disk or DDP) ....................$5.00
- LEARNING TO DRAW WITH ADAM (Z-80) (Disk or DDP) ......................$24.95
- LEARNING TO READ WITH ADAM (Z-80) ..............................................$24.95
- LEARNING TO WRITE WITH ADAM (Z-80) (Disk or DDP) ......................$24.95
- MacADAM MANUAL.................................................................................$19.95
- O MacADAM DEMO FILES (Disk or DDP) ..............................................$5.00
- THE OFFICIAL A.N.N. ADAM GLOSSARY .................................................$4.95
- THE OFFICIAL A.N.N. ADAM SURVIVAL GUIDE .......................................$24.95
- TDOS V4.5x OWNERS MANUAL ..............................................................$4.00
- THE BEST OF ELECTRONIC ARTS MANUAL ............................................$4.00

## N.I.A.D. BACKISSUES

- N.I.A.D. NEWSLETTER BACKISSUES .......................................................$1.00

All backissues of the N.I.A.D. Newsletter are available at this price of $1.00 except for the issues listed below. The following backissues of the N.I.A.D. Newsletter are out of original print and no longer available: Issues # 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 19, 20, 23, 42, 55, 66/67, 73, 74, 75, 78/79 and 87.

## UPGRADES & CONVERSIONS

- COLECO 'FILER PROGRAM UPGRADES .......................................................$4.00

Send in your original Filer program Disk or DDP to be upgraded. Latest versions of the Coleco 'FILER programs are fully compatible with earlier versions. These versions will work correctly with any size 5 1/4" or 3 1/2" ADAM floppy disk drives. Specify whether you wish to receive a 5 1/4" 160K disk version of the 'Filer program if you send in a data pack master: SmartFILER R28D, RECIPE FILER R17, ADDRESS BOOK FILER R10D.

- DISK CONVERSION OF DATA PACK SOFTWARE ........................................$4.00

Send in your title card from your Coleco data pack to be converted to disk. Titles which can be converted include: Buck Rodgers, Donkey Kong, Donkey Kong Jr., Dragon's Lair, Zaxxon, Recipe Filer, 2010: The Text Adventure, Richard Scarry's Best Electronic Wordbook Ever (for 320K or 720K disk only), The Best of B.C., SmartLetters & Forms, CP/M 2.2 & Assembler or any other data pack software which you can not make a working copy to disk of. If you do not have proof of purchase, the original DDP must be mailed in as proof of purchase.

- INFOCOM CONVERSION TO ADAM CP/M 2.2 FORMAT ..................................$4.00

Send in your INFOCOM titles to be converted to an ADAM CP/M or TDOS format disk. 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. Please inform us whether you would like the ADAM version written onto the original disk.
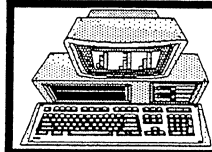
# N.I.A.D. PRODUCT LIST
## PRODUCTS & PRICING SUBJECT TO CHANGE
## PRODUCT LIST EFFECTIVE NOVEMBER 1, 1992

## ENTERTAINMENT

| | |
|---|---|
| ADAM BOMB (64K) | $19.95 |
| ADDICTUS | $19.95 |
| BEYOND TREK (64K) | $15.95 |
| BIBLE JEOPARDY | $14.95 |
| BILLY SAGA, THE VOL. I | $15.95 |
| BILLY SAGA, THE VOL. II | $15.95 |
| BLACK GOLD | $15.95 |
| BRAINSTORM | $16.95 |
| CHESS CHAMP (64K) | $15.95 |
| DIABLO | $15.95 |
| DINOSAUR DIG (64K) | $16.95 |
| DRAGON: THE CHINESE CHALLENGE | $19.95 |
| DRAGON'S LAIR (DISK) | $16.95 |
| DEMONS & DRAGONS I | $19.95 |
| DEMONS & DRAGONS II | $19.95 |
| ELECTRONIC GAME PACK I | $14.95 |
| ELECTRONIC GAME PACK II | $14.95 |
| FAMILY FEUD QUESTION PACK | $10.95 |
| FAMILY FEUD WRITER | $10.95 |
| GHOST ZAPPER (64K) | $11.95 |
| JEOPARDY QUESTION PACK | $10.95 |
| JEOPARDY WRITER | $10.95 |
| KID'S TRIVIAPAK I | $12.95 |
| L.V.A.C. ARCHIVES I | $9.95 |
| LAB MOUSE | $15.95 |
| LAS VEGAS CRAPS | $16.95 |
| M&M JEOPARDY QUESTION PACK | $14.95 |
| MAGE QUEST | $15.95 |
| MAGE QUEST CONSTRUCTION SET | $15.95 |
| MIND OVER ADAM | $11.95 |
| MR. T SEARCH | $12.95 |
| MR. T SEARCH: GAMEPAK I | $9.95 |
| MR. T SEARCH: TRIVIA WORD SEARCH | $9.95 |
| PHRASE CRAZE | $19.95 |
| PHRASE PAK I for Phrase Craze | $12.95 |
| PHRASE PAK II for Phrase Craze | $12.95 |
| PHRASE PAK CONSTRUCTION SET | $12.95 |
| PITY | $18.95 |
| PRO FOOTBALL | $18.95 |
| REEDY ENTERTAINMENT PACK | $15.95 |
| ROBOTHIEF | $19.95 |
| SMARTGAMES PACK | $9.95 |
| STAGE FRIGHT | $15.95 |
| STOCK MARKET GAME | $15.95 |
| STRATOZAP | $16.95 |
| SUB RAIDERS | $24.95 |
| SUPER PARROT | $14.95 |
| SUPER ZAXXON (DP) | $9.95 |
| TEMPLE OF THE SNOW DRAGON | $19.95 |
| TRIVIAPAK I | $12.95 |
| U-MATCH-EM | $14.95 |
| VASE OF TURR | $19.95 |
| WIZARD'S PINBALL ARCADE | $14.95 |
| ZORAN III | $13.95 |

## EDUCAT. / TUTOR

| | |
|---|---|
| EL ESPANOL | $15.95 |
| ELECTRONIC FLASHCARD MAKER (DP) | $9.95 |
| E.F.M. FLASH FACTS: HISTORY (DP) | $6.95 |
| EXPERTYPE (DP) | $9.95 |
| FRANCAIS POUR LES CHIC | $15.95 |

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|---|---|
| MASTERING MUSIC | $9.95 |
| MATH MENTOR | $15.95 |
| MUSICPRO | $15.95 |
| ROYAL AMBASSADOR EDUC. PACK | $9.95 |
| SCHOOL DAZE | $16.95 |
| STATES RACE | $15.95 |

## MEDIA UTILITIES

| | |
|---|---|
| 6801 DECIMAL DISASSEMBLER | $10.00 |
| ADAM CONNECTION (IBM DISK) | $24.95 |
| ADAM'S DESK TOP (CART) | $39.95 |
| ADAM'S DESK TOP (DISK/DP) | $24.95 |
| ADAM'S TOOLKIT | $24.95 |
| ADAMCALC & LINK II D.M. PATCHES | $9.95 |
| BASIC SYSTEM MGR. 3.0 / FASTRUN | $18.95 |
| COPYCART+ V2.0 (DISK) | $19.95 |
| COPX | $10.00 |
| DECIMAL DISASSEMBLER | $19.95 |
| DISK DOCTOR | $10.00 |
| E.O.S. DIRECTORY SORTER | $10.00 |
| E.O.S. FILE INDEXER | $10.00 |
| E.O.S. PROGRAMMING KIT | $29.95 |
| FILE MANAGER V3.0 | $19.95 |
| FORMATTER III (DISK) | $9.95 |
| GUY'S E.O.S. UTILITIES | $20.00 |
| LIBRARIAN | $10.95 |
| MEDIA HELPER | $17.95 |
| MEMDSK FOR SmartLOGO (64K) | $10.00 |
| MR. T LIBRARY | $10.95 |
| OPENFILER V3.0 with OPENRECIPE | $14.95 |
| Z80 DECIMAL DISASSEMBLER | $10.00 |

## HOME / BUSINESS

| | |
|---|---|
| ADAMCALC (DP) | $29.95 |
| ADAMLINK V | $24.95 |
| ADAM MAP: U.S. ATLAS (64K) | $17.95 |
|    STATES: IL, IN, MI, WI | |
| ADAM MAP: STATES VOL. #1 | $6.95 |
|    STATES: IA, MN, NE, ND, SD | |
| ADAM MAP: STATES VOL. #2 | $6.95 |
|    STATES: MT, ID, OR, WA, WY | |
| ADAM MAP: STATES VOL. #3 | $6.95 |
|    STATES: CA, NV, UT, AZ CO | |
| ADAM MAP: STATES VOL. #4 | $6.95 |
|    STATES: TX, MO, NM, KS, OK | |
| ADAM MAP: STATES VOL. #5 | $6.95 |
|    STATES: AR, LA, TN, AL, MS | |
| ADAMTALK V1.1 (EVE SS-CC) | $19.95 |
| ADDRESS BOOK / CALENDAR | $9.95 |
| APPOINTMENT BOOK | $24.95 |
| AUTOAID | $24.95 |
| AUTOWRITER | $14.95 |
| BASICAIDE V2.0 | $9.95 |
| B&R HANDYMAN VOL. I & II | $14.95 |
| BUSINESS PACK I V2.0 | $18.95 |
| CLIP-ART VIEWER & CONVERTER | $24.95 |
| EASY COME, EASY GO | $15.95 |
| FILE PRINTER | $17.95 |
| INVOICER V3.1 (64K) | $19.95 |
| LABEL MAKER DELUXE (DISK) | $9.95 |
| LABELWORKS, THE | $24.95 |
| MISSPELLER for SpellingAIDE | $9.95 |

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| P.A.L. (Personal Appointment Lister) | $10.00 |
| PRINTWORKS, THE | $24.95 |
| RECIPER FILER (DP) | $9.95 |
| SEQuel | $24.95 |
| SMARTBASIC V1.x | $29.95 |
| SMARTBASIC V1.1 CART | $29.95 |
| SMARTFILER (DP) | $9.95 |
| SMARTLETTERS & FORMS (DP) | $9.95 |
| SMARTLOGO (DP) | $15.95 |
| SMARTWRITER ELITE | $19.95 |
| SMARTWRITER'S HELPER | $10.00 |
| SOFTPACK I V2.0 | $18.95 |
| SPEEDYWRITE V2.0 | $39.95 |
| SPEEDYWRITE SPELL (64K) | $24.95 |
| SPELLINGAIDE | $19.95 |
| SUPERBASIC PLUS | $9.95 |
| TAX HELPER 1991 (64K) | $19.95 |
| VIDEOTUNES | $24.95 |

## GRAPHICS DESIGN

| | |
|---|---|
| ADAM GRAPHICS FOR IBM (DISK) | $19.95 |
| BOLD GLORY | $16.95 |
| BORDERSPLUS for PrintWORKS | $10.95 |
| CHROMANTICS | $16.95 |
| CLIPPER | $15.95 |
| COLECO GRAPHICS PROC. (CART) | $39.95 |
| FONTPOWER | $14.95 |
| GRAPHIXPAINTER WITH GRAPHIXPIX I | $19.95 |
| GROOVY GRAPHICS | $14.95 |
| IBM CLIP-ART FOR ADAM VOL. I & II | $14.95 |
| M&M GRAPHICS | $9.95 |
| PAINTAIDE with the SWIFT FONT KIT | $16.95 |
| PERSONAL CALENDAR UTILITY (64K) | $19.95 |
| POWERPAINT (64K) | $29.95 |
| POWERTOOLS | $16.95 |
| SHOWOFF I | $18.95 |
| SMILEY FACE: WHAT AN ATTITUDE! | $9.95 |
| SPRITEPOWER | $15.95 |
| SWIFT LABEL PRINTSHOP (64K) | $19.95 |
| SWIFTPRINT (64K) | $15.95 |
| YULE TOOLS I | $16.95 |

## VIDEOGAMERS

As we all know, the ADAM is also a ColecoVision Game System. This means that the over 100 cartridges made for the ColecoVision Game System will also work on the ADAM. For the last six or so years TeleGAMES USA has been distributing over 60 ColecoVision cartridges as well as cartridge games that have been converted to disk or digital data pack formats. They have also developed a number of new games through their In-House programmers under the label Bit-Corp. N.I.A.D. highly recommends Boulder Dash, Rock'N Bolt and Alcazar.

TeleGames USA
Box 901
Lancaster, TX 75146
(214) 227-7694

# N.I.A.D. PUBLIC DOMAIN SOFTWARE

**$4.00 DISK**  **$6.00 DDP**

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

## MISCELLANEOUS VOLUMES

**ADAMCALC ANDV #1-34:** 34 different volumes containing ADAMCALC copyrighted programs that were released to the Public Domain. Contains entertainment, adventure, productivity, education, business, telecommunications, arcade, brain, etc. programs complete with documentation.

**CLASSIC UNRELEASED CARTS VOL #1-2:** 2 different collections of cartridges: VOL. #1 - Fall Guy, Video Hustler, Super Cobra, Memory Manor, Word Feud, Artillery Duel and Tomarc the Barbarian; VOL. #2 - Cabbage Patch Kids: Adventures in the Park Enhanced, Yoke's on You and Wizmath. Some were never released and others wouldn't work on the ADAM in their cartridge form. Each volume contains SmartWRITER documentation for each game.

**CP/M 2.2 CNDV #1-60:** 60 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.

**MIDI SONGS MNDV #1-18:** 18 different volumes containing many assorted song files each for use with Mini-Recorder by Bonafide Systems for the MIDI-MITE.

**N.I.A.D. GOLD VOL #1-5:** 5 different volumes of enhanced SmartBASIC programs: Vol. I - Games, Vol. II - Text Adventures, Vol. III - Science & Education, Vol. IV - Home & Business and Vol. V - Utilities. Each volume contains documentation.

**PINBALL GAMES PNDV #1-8:** 8 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.

**SmartBASIC BNDV #1-38:** 38 different volumes containing assorted SmartBASIC entertainment, application, graphics, patch, utilities and other misc. programs. Most volumes are auto-booting and contain SmartWRITER documentation.

**SUPERIOR SOFTWARE ENDV VOL. #1-4:** 4 different volumes of commercially copyrighted programs that where released to the Public Domain. Vol. I - Pro Golf Champ, Vol. II - LinkBuilder, Vol. III - AFL Football and Vol. IV - SuperiorBasic V3.0.

**SmartBASIC UTILITIES UNDV #1-2:** 2 different volumes containing SmartBASIC utility programs such as file copiers, backup utilities, patches and other misc. Each volume contains documentation in SmartWRITER form or in the program.

**SmartLOGO LNDV #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.

**SOLO-ADVENTURE PACK VOL. #2-3:** 2 different volumes of Solo Adventures by Coleco. Each volume requires the user to boot SmartWRITER documentation.

**VIDEOTUNES SONGS VNDV #1-4:** 4 different volumes containing many assorted song files each that are for use with VideoTunes by FutureVision.

## GRAPHICS VOLUMES

**C.G.P. PIX VOL. #1-4:** 4 different volumes of 13 picture files for use with the Coleco Graphics Processor. All pictures are taken from Coleco / ADAM programs, and carts through the use of the cartridge version of The Coleco Graphics Processor.

**N & B PIX VOL. #1-32:** 32 different volumes of 13 SmartPAINT format picture files to be viewed / edited in PowerPAINT, ShowOff I, etc.

**PAINT PALETTE:** For use with PowerPAINT. Will provide you with over 200 different shades of color, where normally the total number of colors accessible is 18. Contains SmartWRITER documentation.

**PAINTFORMS VOL. #1-4:** 4 different volumes of assorted letterheads, labels font files and miscellaneous graphic files for use with PowerPAINT by Digital Express.

**PAINTMATES VOL. #1-15:** 15 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.

**PD SIGNS SNDV #1-4:** 4 different volumes containing SignSHOP/NewsMAKER graphic files for use with these programs by Strategic Software. Volumes requires the user boot SignSHOP/NewsMAKER first and contain SmartWRITER documentation.

**REEDY ART GALLERY VOL. #1-4:** 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.

**RLE PICS VOL. #1-4:** 4 different volumes of RLE picture files which can be viewed in SmartBASIC V1.0 with the included CBpicFAST program or in PowerPAINT, also contains SmartWRITER documentation.

## ENTERTAINMENT VOLUMES

**A-CHESS (SARGON):** 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.

**ADAMWARS II:** A simulation of the real life pitfalls and successes which are experienced by you friendly ADAM retailers. Great graphics and sound effects. Contains SmartWRITER documentation.

**CHESS 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.

**JEOPARDY:** 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 options as well as an instruction sheet.

**MOAUG PHRASE PAK:** An additional 300 phrases for use with Phrase Craze by Reedy Software. Compiled by George Drank. Contains SmartWRITER documentation.

**SUPER 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.

**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 forces?

**SUPER DONKEY KONG JR - 5 SCREEN:** Coleco's In-House version of Super Donkey Kong Jr. with an additional 5th play level, MARIO'S BAKERY (arcade version doesn't even have this level). This version automatically runs through all screens.

**SUPER SUB-ROC:** 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.

**TEMPLE OF APSHAI 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.

**THE ABOMINABLE SNOWMAN:** Search the Great White North for the illusive Abominable Snowman. Be careful in your quest, there are many pitfalls that you will face. Contains SmartWRITER documentation.

**THE BEST OF B.C.:** A two supergame pack with B.C.'S QUEST FOR TIRES and B.C. II: GROG'S REVENGE developed by Coleco of Canada. Help Thor past obstacles to find Cute Chick and to find Fire! Both with the Meaning of Life.

**THE BEST OF ELECTRONIC ARTS** (Pinball, Con. Set / Hard Hat Mack): Coleco supergame pack contains two great games in one package. New bug free version w/ 2 demo pinball games and an instruction sheet. **Add $4.00 for 40 page manual.**

**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.

## UTILITY VOLUMES

**ADAM 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.

**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.

**COLECO IN-HOUSE PROGRAMS:** Six separate programs: three diagnostic programs along with the Tunnel'N Trolls, ADAM and Music demos.

**E.O.S. DISK MANAGER:** Coleco utility program which was supplied with the 5 1/4" 160K Disk Drive. Also, contains the most current Coleco EOS Revision, Rev. 7.

**MacADAM:** Z80 / EOS Assembler written in machine code for the intermediate to advanced machine code programmer. Contains manual in SmartWRITER format.

**MEDIA MATE:** Three tremendous utility programs for editing data packs and disks in SmartBASIC V1.0. Contains informative SmartWRITER documentation.

**MIDI DRIVERS & DEMOS:** A collection of MIDI SmartBASIC V1.0 utilities programs along with technical information of the MIDI file setup. Contains SmartWRITER documentation.

**MIDI UTILITIES:** A collection of 6 mapper utilities, midi format 1 song files, mapper utilities are SmartKEY driven and 1 CP/M or TDOS compatible midi utility. All SmartWRITER documentation.

**QUICKOPY V5.0:** Excellent machine code copy program (block and file) with additional rendrive and ramcopy software. Compatible with all memory expanders and disk drive sizes. Contains a 37 page manual in SmartWRITER format.

**R.I.D. TEST:** Coleco's own In-house utility designed specifically for testing the operation of the 5 1/4" 160K Coleco made disk drive. No technical knowledge required, just boot-up and wait for the results. Contains SmartWRITER documentation.

**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.

**SOFTWARE BACKUP V1.0:** Allows for the backing-up of bootable programs onto the same media. Up to six self-booting programs can be placed on one Software Backup media. Most programs work fine. Contains SmartWRITER documentation.

**SPEED 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.

**STRATEGIC SOFTWARE PATCHES:** SmartBASIC V1.0 programs for patching Strategic Software's SignSHOP, NewsMAKER, MultiWRITE, MultiWRITE, MicroWORKS, etc. programs for use with dot matrix printers as well as major enhancements made to the MultiWrite Word Processor. Contains SmartWRITER documentation.

## PRODUCTIVITY VOLUMES

**ADAM <--> DOS 1.0:** A shareware IBM compatible program by Bonafide Systems that allows for the transferring of ADAM files to an IBM and vice versa. Other options include: directories, file deleting, hex dumps, initializing, block copies, formatting, etc. ADAM files and 5 1/4" 160K or 320K disks on an IBM compatible. Requires an IBM compatible with a 5 1/4" drive running PC-DOS or MS-DOS. Comes with documentation file. DISK ONLY.

**ADAM INFORMATION MANAGER:** Fabulous auto-running demo program that was used to greet delegates at ADAMCON 04. Cycles through over 50 advertising screens with an array of background songs playing at all times. Includes some truly outstanding special effects. Available on a 3 1/2" 720K disk only.

**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.

**AUSTRALIAN SmartBASIC:** Enhanced SmartBASIC commands (ie: RUN, LIST, SAVE, etc.) of some of the most often used SmartBASIC V1.0 utility to convert daVINCI files into SmartWRITER documentation.

**BASEBALL STATISTICIAN:** Comprehensive stat compiler for pitching, batting and team statistics with full line of edit features, save option, print features for ADAM Printer or dot matrix by Wizard's Lair. Comprehensive instructions in SmartWRITER.

**COLECO GRAPHICS PROCESSOR:** Coleco's graphic design utility used to create graphics for cartridges and supergames. Now, on an EOS media. Instructions are provided as well as a picture file conversion program. Requires memory expander.

**COLECO PRESENTS: SOFTWARE:** Coleco self-booting database program containing lists of planned Coleco software and cartridges for the ADAM and ColecoVision. DDP ONLY.

**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 GraphiXPAINTER files. DISK ONLY.

**DAWGONE DAWGS:** This program will, on a consistent basis, select the dog most likely to win at the local dog track through data that is inputted by the user. However, this is not a get-rich-quick scheme. Contains SmartWRITER documentation.

**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.

**FRENCH BASIC:** Great modification of SmartBASIC V1.0 with demos. Must have version for the serious programmer that includes 10 new commands for using sprites, windows, easy color changes, etc.

**MARKET MONITOR:** Coleco of Canada management system program for the personal investor. Not totally bug free. Contains SmartWRITER documentation.

**SP-1 CUSTOM PRINTER SOFTWARE:** Specialized software patches for use in SmartWRITER. Used to imbed software commands. Available for the following printers: Panasonic 1080 / 91 / 92 / 83, Star G10 / G20, Epson FX / RX, Blue Chip, Olympia R80, Brother 2024L, Smith Corona Fastext 80 / D2000, Oki 182 / 192.

**T-DOS V4.58:** Super enhanced version of CP/M 2.2 which allows much like MS-DOS. Many new features. Available on 2 - 5 1/4" 720K disks - please specify when ordering. Manual in Doc file.

**TAX PLANNER:** Coleco of Canada business software which will create a cleaner and more complete picture of your tax situation. Contains SmartWRITER docs. For printed 40 page owner's manual add $4.00.

**TRACKER:** Allows for the tracking of Hurricanes in the Gulf Coast area. Enter 14 x and y coordinates and then save them as a file or view the hurricane in action on the high-resolution map of the area.

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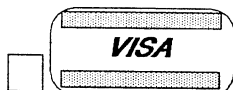
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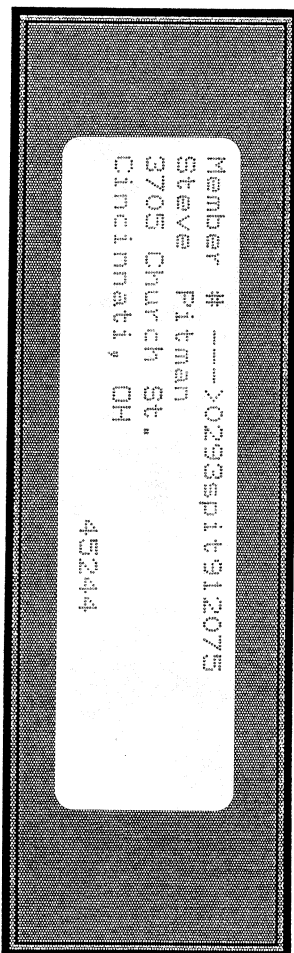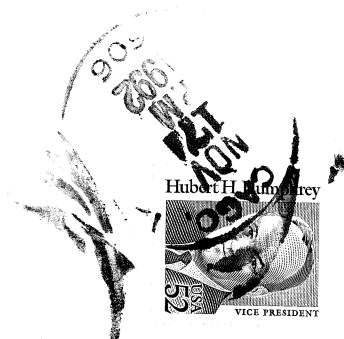☐ **Check or Money Order Enclosed**     Charge my: ☐ *VISA*     ☐ Master Charge

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