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Issue #71 - November, 1990

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Continuing our study of the Gospel of John, Chapter 5 . . . way. They (nor I) expected a peasant, a carpenter, a very humble  
<sup>25</sup> Truly, truly, I say to you, the hour is coming, and now is, when the man. You see, we all underestimate our God; sure He could have sent a  
dead will hear the voice of the Son of God, and those who hear will live. <sup>26</sup> For as the Father has life in himself, so he has granted the legion of angels to strike down the Romans and free the Jews. But,  
live, <sup>26</sup> For as the Father has life in himself, so he has granted the Son also to have life in himself, <sup>27</sup> and has given him authority to what would that have done to save the whole world ? Nothing,  
Son also to have life in himself, <sup>27</sup> and has given him authority to execute judgment, because he is the Son of man. <sup>28</sup> Do no marvel at nothing at all; mankind would have just kept on sinning and  
executed judgment, because he is the Son of man. <sup>28</sup> Do no marvel at this; for the hour is coming when all who are in the tombs will hear widening the distance between them and God. Our God, who  
this; for the hour is coming when all who are in the tombs will hear his voice <sup>29</sup> and come forth, those who have done good, to the resurrection of life, and those who have done evil, to the resurrection  
resurrection of life, and those who have done evil, to the resurrection of judgment. unbelievable as it is to us - **HE SENT HIS OWN SON TO BE OUR  
PERSONAL SAVIOUR!!!**  
<sup>30</sup> "I can do nothing on my own authority; as I hear, I judge; and my judgment is just, because I seek not my own will but the will of him who sent me. <sup>31</sup> If I bear witness to myself, my testimony is not true; and to whom we could directly relate. This is very critical to  
<sup>32</sup> there is another who bears witness to me, and I know that the testimony which he bears to me is true. <sup>33</sup> You sent to John, and he has borne witness to the truth. <sup>34</sup> Not that the testimony which I receive is from man; but I say this that you may be saved. <sup>35</sup> He was a burning and shining lamp, and you were willing to rejoice for a while in his light. <sup>36</sup> But the testimony which I have is greater than that of John; for the works which the Father has granted me to accomplish, these very works which I am doing, bear me witness that the Father has sent me. <sup>37</sup> And the Father who sent me has himself borne witness to me. His voice you have never heard, his form you have never seen; <sup>38</sup> and you do not have his word abiding in you, for you do not believe him whom he has sent. <sup>39</sup> You search the scriptures, because you think that in them you have eternal life; and it is they that bear witness to me; <sup>40</sup> yet you refuse to come to me that you may have life. <sup>41</sup> I do not receive glory from men. <sup>42</sup> But I know that you have not the love of God within you. <sup>43</sup> I have come in my Father's name, and you do not receive me; if another comes in his own name, him you will receive. <sup>44</sup> How can you believe, who receive glory from one another and do not seek the glory that comes from the only God? <sup>45</sup> Do not think that I shall accuse you to the Father; it is Moses who accuses you, on whom you set your hope. <sup>46</sup> If you believed Moses, you would believe me, for he wrote of me. <sup>47</sup> But if you do not believe his writings, how will you believe my words?"  
This passage relates to the basic question of who Jesus is. The Jews of the time were not sure "who Jesus was". The poor saw him as a miracle worker, someone who helped them and gave them hope. The religious leaders saw him as a threat to their influence over the people and although they could not deny the existence of his miracles, they refused to believe that Jesus was anything more than a common man.  
Jesus' claims that he was the Son of God outraged the religious leaders as well as others primarily because Jesus did not fit their image of the Saviour that God had promised to send. They probably expected a being clothed in white, who had a constant brilliance emanating from him and who disposed of any one who got in his way. They (nor I) expected a peasant, a carpenter, a very humble man. You see, we all underestimate our God; sure He could have sent a legion of angels to strike down the Romans and free the Jews. But, Jesus could have sent a fellow human that could personally relate to us and man that was broken because of man's sin. Jesus represents God reaching down to his children, taking the first step to heal a broken relationship and show his never failing love for His creation.  
Can you imagine the all powerful God, the one who created the universe sending His one and only Son to become the saviour of man ? I find this hard to comprehend, but it is dramatic evidence of God's love for all of us. His plan of salvation is open to all and is fair for all, even those of us who have made mistakes - **WE CAN ALL BE FORGIVEN BY GOD! THIS IS THE TRUE MEANING OF CHRISTMAS**, God's gift of eternal salvation to all of mankind through His Son Jesus.  
Now, the question is why didn't the Jews, especially the religious leaders believe Jesus' claims and his teachings? In this passage Jesus states that men would rather seek the approval of other men, then to seek out a relationship with God. At first this sounds like an outlandish statement, but it is really true. Our pride tends to dominate our life to the exclusion of most other things. Our society makes "being famous" a very high priority. Our children are taught to seek the approval of others, to "show off" to get attention. Who gets paid the most money - movie stars and athletes! Yes, I think Jesus was right then and is still right. I guess it's because we don't visibly see God that we consider it more important to please the people who we live and work with.  
**Jesus says we are setting our priorities all wrong** - our life here on earth is relatively short compared to eternity. Jesus came to teach mankind about the Kingdom of Heaven, eternal life and God's plan of Salvation - these are the real priorities. Becoming a big shot won't make a bit of difference when we finally die and go to meet the Creator, who will ask us for an accounting of our life - **THINK ABOUT IT!! Won't you ask Jesus into your heart today and get your priorities realigned ?**  
God bless you all and have a great Christmas season.

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

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## N.I.A.D. PROCEDURES



⇒ N.I.A.D. is published monthly except for the months of December/January and July/August, which are combined issues by the Northern 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 November issue of N.I.A.D. is the 70th issue published by N.I.A.D., there are 69 preceding issues. When ordering backissues, please specify the number of the issue, month and year.

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

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

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

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

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

⇒ If 1190 are the first four digits in your member number, it is time to renew your membership to insure that you do not miss an issue.

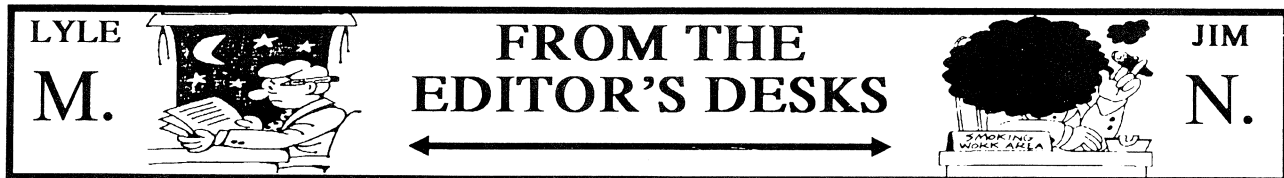
⇒ N.I.A.D. welcomes software developers to submit their programs for us to evaluate for possible commercial sale. Send in your products for us to test and to review in the newsletter. N.I.A.D. offers a 50/50 split of the sale price on all items that we handle distribution of for all developers. You will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

⇒ Our Chicago Local Chapter Meetings are a great way to learn more about our beloved ADAM systems. You have the opportunity to meet fellow ADAM owners, ask us questions, see live demonstrations of hardware and software and also purchase products. We meet in our store, CompuKINGDOM, the second Thursday of each month at 7:00 PM. If you need directions getting here, just give us a call.

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

**November 8, 1990**  
**December 13, 1990**  
**January 10, 1991**  
**February 14, 1991**  
**March 14, 1991**

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



# HAPPY HOLIDAYS

**HAVE A GREAT THANKSGIVING, A VERY MERRY CHRISTMAS AND A HAPPY NEW YEAR from all of us at NIAD.**

We wish all of you the best and hope that this holiday season is a special one for you and your families. This is the time of year when we should make our loved ones a priority, spending time with them, telling and showing them how much we care for them. Don't get caught up in the hustle and bustle to the exclusion of family priorities.

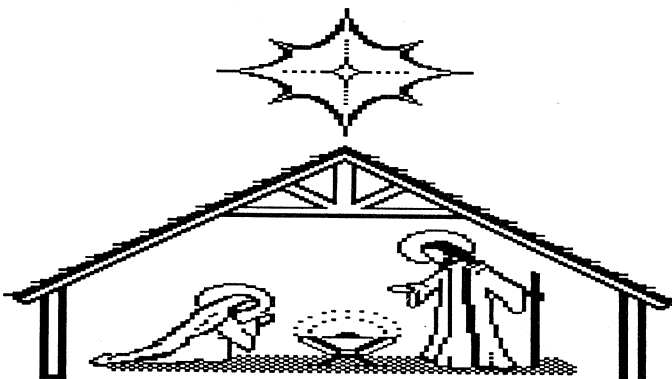
The world is in much turmoil at this point and the ones who are close to us should be that much more important.

Well, as you have all gotten used to, it is time for NIAD's famous **Christmas Specials**. Yes, we are again offering not only low prices, but special price reductions on various products as well as our FREE GIFTS and membership specials. See pages 5, 6, 7 and 22-25 for all the details. This is the time to stock up on ADAM products - you won't see these kinds of prices and specials for another year!!

Great news in this issue for you ADAMites looking to upgrade to a disk drive. Micro Innovations (developer of the Powermate Hard Drive) is nearing completion of a fully compatible ADAM disk drive !! FINALLY, another source for disk drives.

See the details in this issue for other new products, both hardware and software including an ADAM Mouse, Hypercard software and some great Christmas graphics.

**NOTE:** We have lowered our prices on our great line of Panasonic printers for the rest of the year as well. Now is the time to add full graphics output to your ADAM to take advantage of all great software that is out there. Panasonic's 1124 "24" pin dot matrix printer is now available and has won all kinds of awards. This printer produces very high quality output, near laser printer quality.



I amaze myself sometimes. One month I will take forever to put together the newsletter and the next month I will have it done in no time flat. I guess it's all a matter of clicking on all cylinders as far as getting the newsletter out on time, and this month I'm running like a Jaguar! Hopefully this trend will continue throughout 1991 and I will not turn into a Yugo, dread the thought. I have talked to many other ADAM Newsletter editors in the past couple of weeks and have heard them say what I already know, "Publishing a newsletter is one of the hardest thing that they have ever done in their life", be it a small bi-monthly or a large monthly newsletter (I figured out that each page of the N.I.A.D. Newsletter, when printed in standard type from a word processor is actually 2 1/2 pages long versus the 1 page it takes in our desktop publisher). But once the newsletter is completed, there is practically no feeling in the world that compares to it. What truly helps is the wealth of material which can be pooled together by a number of ADAM owners who have jumped to the forefront in providing information which us editors can use, names such as Ron Collins, Syd Carter, Guy Cousineau, Doug Roseninge, and Rich Lefko instantly pop into my mind. Without these gentlemen spending personal time writing articles on all aspects of ADAM usage, we editors would be, to put it simply, "Up a creek without a paddle!". Thanks guys and to all the others who spend the time to insure the continuing existence and usage of the ADAM.

As you will notice, this November issue is once again extended by four pages as was the September / October issue. So, therefore, we will not be publishing separate December and January issues, but one combined issue which you should receive in the middle of January. The months of November and December are notoriously hectic for everyone and I could not insure that I would be able to publish two separate newsletters for December and January without falling extremely behind. So enjoy this newsletter to the fullest, it will be the last one for the year 1990.



In this issue, we have compiled yet another tremendous array of special and sale items for you to take advantage of. We know what a strain the holiday season can be on your finances, so this is our way of compensating and also saying Thank You for supporting us all these years and hopefully for many more to come! Please be curious enough to follow the guidelines which are specified on this pages. Also, you MUST be a current member of N.I.A.D. in order to receive any of the special products or pricing, NON MEMBERS will still be charged standard retail price as well as not be eligible for any free offerings!

Lastly, I would like to wish all of you a Happy Thanksgiving, Merry Christmas, Happy New Year, Happy Hanukkah and overall Seasons Greetings (Sorry if I missed any other religious holidays). I know I am anxiously awaiting the arrival of each and every holiday in the next two months, it is just amazing how fast this year has gone by. Hopefully 1991 will be as terrific as 1990 has been for myself, but that it will pass by A LOT SLOWER than 1990 did and also that I will still be here writing the editorial at this time next year for all of you to read!

**TIL' NEXT YEAR, "KEEP ON ADAMing!"**

# NIAD NEWS & UPDATES

⇒ **DIGITAL DATA DRIVES** are once again available through N.I.A.D., but at a considerable increase in price, \$59.95. We should have a good supply for sometime to come, but at the increased price, which is still \$40.00 cheaper than when they were originally sold by retail outlets back in 1984 and 1985.

⇒ **ADAM PRINTER POWER SUPPLIES** are also no longer available through our normal channels and therefore we have had to increase the price also to \$59.95. We should have a good supply for sometime to come, but at the increased price. A second option besides purchase is to remove the power supply from your printer if the printer is defective or not used anymore.

⇒ **COMPLETE ADAM SYSTEMS**, with the one piece Memory Console, are once again available for \$239.95, which includes Shipping / Handling. These systems include all the original hardware, software and manuals which were originally sold by Coleco and come with a 90 day warranty. The **EXPANSION MODULE #3 ADAM with COLECOVISION** continues to be available for \$209.95, which includes Shipping / Handling.

⇒ **EXP. MOD. #1 ATARI 2600 ADAPTER, EXP. MOD. #2 DRIVING CONTROLLER, SUPER ACTION CONTROLLERS** and the **ROLLER CONTROLLER** are all still available, but due to a lack of supply and increased cost, all pricing on these Coleco made products has increased. Check the Product List for the most current pricing. Also, always double check the most current issue's Product List for product availability on any items. Many changes have been made over the last six months.

⇒ **SUPER DAM BUSTERS**, the super game version of the cartridge game and considered Public Domain now, is now available on data pack as well as disk. **THE BEST OF B.C.**, however, is still only available on disk, as soon as we can track down a data pack copy, we will have a notice in the newsletter.

⇒ **MICRO INNOVATIONS** is nearing the completion of their standalone 5 1/4" 320K and 3 1/2" 720K Disk Drives, which will be powered by the ADAM Printer Power Supply and will be 100% compatible with Coleco's disk drives as well as the drive upgrades supplied by E&T SOFTWARE and ORPANWARE amongst others. Pricing for the 5 1/4" 320K is tentatively set at under \$200, while the 3 1/2" 720K is tentatively set at under \$250. Planned for release after the disk drives will be yet another hardware product which will allow the ADAM to connect to an IBM compatible computer and use it's hard or disk drives! The hardware will include a expansion card for the ADAM as well as one for the IBM with a cable running between the two. This will be a great addition for those who already own or plan to buy an IBM compatible, since you will have access to the IBM drives for use with the ADAM instead of having to buy ADAM only hard or disk drives. Pricing and release date have not been set. Call for availability.

⇒ **EYEZOD GRAPHICS**, creator of PowerTOOLS, has released their second graphics library for use with PowerPAINT and other programs which support or can use clip-art, sprites, fonts and full screen hi-res pictures, called YULE TOOLS I. Yule Tools is a massive collection of Christmas oriented graphics and fonts which has to be seen to be believed! It contains some 480 sprites, 26 candy letter clips, 8 files of letter sprites, 1 file of number sprites, and on, and on, etc. Just in time for Christmas! Yule Tools I is available for \$13.95. See the review contained herein.

⇒ **ADAM SOFTWARE SUPPORT** has combined a number of their commercially distributed packages together and also released another titles into the Public Domain. From Wizard's Lair: Clip-Art Volume I & II (\$12.95) and SnapSHOTS Volume I & II (\$12.95) and they have released THE BASEBALL STATISTICIAN into the Public Domain for all to share. From A&S Software: Mystery and Yacht (\$14.95). From Gerlach Family Software: Happy Clips Volume 1 & 2, 3 & 4, 5 & 6, 7 & 8 and 9 & 10 have been combined respectively (\$10.95 each).

⇒ **THE ADAM CONNECTION BBS** is back on-line using a Powermate 40 Meg Hard Drive, 360K and 720K disk drives. The BBS is fast and packed with information, graphics, utilities, on-line games and message bases. Currently, A.C. is running at 300/1200 baud - (8-N-1) - 24 hours a day - (518) 298-4294. For voice calls use (518) 298-8193.

⇒ **THOMAS ELECTRONICS'** External ADAMOUSE II has been received and we have a review in this newsletter. The Internal version, which requires minor modification to the joystick port #1, is also available: Internal is \$74.95, while the External is \$82.95. Thomas Electronics also has their International BBS Service up and running. The BBS is up 24 hours a day, 7 days a week at speeds up to 2400 baud. The number is (306) 384-7682. Voice calls should use (306) 384-9322. The BBS supports ADAM EOS, ADAM CP/M, Amiga, Atari, Commodore and IBM.

⇒ **REEDY SOFTWARE** - P.O. Box 129 - Lowell, MI 49331 and **R&R SOFTWARE** - P.O. Box 2081 - Hanover, MA 02339 have each released new product catalogs for the ADAM. If you wish to receive a free catalog, send a SASE to each of these companies.

⇒ **OASIVE PENSIVE ABACUTORS** and **PHOENIX 2000** have released no further news on their in development products and services. The ADAM Image Maker is said to still be awaiting the completion of software and GoDOS V2.0, ADAM Computing Today newsletter and numerous other titles planned by Phoenix 2000 are basically in limbo at this time as it is said that Solomon Swift has fallen on even further hard times. This may finally be the end of all activities that Solomon Swift has going with the ADAM. We will keep you posted on his status as long as we can find out details, but it looks like those who have products on order with him as well as a remaining subscription to his newsletter have all but lost out.

⇒ **CLEVELAND FREE-NET BBS** is said to be the largest free, open-access, community computer system in the world today and they have a section devoted to the ADAM! The system consists of 96 megabytes of RAM, 2.3 gigabytes of hard disk storage, and close to 32 incoming lines which are capable of supporting up to 360 simultaneous callers. Plus it is Internet accessible. The number is: (216) 368-3888 and supports 300 to 2400 baud. You may connect to Free-Net from Internet via the IP ADRES of "frenet-in-a.cwru.edu", then type "80 adam".

⇒ This is the last N.I.A.D. Newsletter that you will receive for the year 1990. The next newsletter which will be published is the combined December / January 1991 issue that will be sent out in the middle of January. If your member number starts with 1190, this is the last issue which you will receive. If your member number starts with 1290 or 0191, you will still receive one more issue.



## HYPERCARD FOR ADAM

JASON BROWN SOFTWARE  
312 Adelaide St. W. #805  
Toronto, ONT., CAN M5V-1R2  
(416) 348-9978

This programming software is a compact, text-oriented approximation of HyperCard for the Apple Macintosh Computer.

The HyperCard for ADAM package consists of the Toolkit and the Engine. With the Toolkit, you create a 'Stack' of cards of text information. You then offer the user several interactive ways to navigate from one card to another through this Stack.

Each stack may consist of up to 50 cards, and each card can link to any other cards in any other stacks on tape/disk. A stack of 50 cards can be held in ADAM's memory at once and a single stack of 50 cards occupies typically 14 blocks on a datapack. This means you can contain linked stacks of virtually 900 cards (50 x 18 decks by 14 blocks each = 252 blocks) on a single 256K datapack.

### CREATE YOUR OWN GAMES AND TEXT MANAGEMENT APPLICATIONS

Text games are easy to create with HyperCard Programmer's Toolkit. These games can be driven with any combination of multiple voluntary choice, user-supplied input from the keyboard, or randomly generated by the computer. It is possible to create entire worlds unlimited in size and of unparalleled flexibility and complexity.

Other uses are possible. HyperCard stacks can consist of facts or other information linked together using SmartKEY menus. You can create quizzes that quiz in random order and are able to respond to right and wrong answers.

### CREATING CARD STACKS

First, on each card, you specify a selection of text (8 to 16 screen lines) to be displayed to the user, either to the screen or the printer. Next, you may simply link this card to another particular card or you may present options to the user. Or you may label and provide six SmartKEYs per card, which in turn, link to six other cards. Or you may ask for text-string input from the user, and compare that input to five text strings you have specified and jump to relevant cards. Or you may select six destination cards for the computer to randomly jump to. Or you may immediately link to a particular card in another stack entirely. Or you may create Dead End cards to the user. You may also Title each card and specify it's 'paper' color.

### DISTRIBUTING YOUR "STACKWARE" TO OTHER ADAM USERS

When you have completed your HyperCard stack, you may save it to datapack/disk along with the HyperCard Engine, which allows people without the HyperCard Toolkit to run your HyperCard stacks on their ADAMs. Only people running the Toolkit may modify or examine the inner workings and paths of your stack. With the Engine, you will be able to produce a stand-alone program with password protection that users cannot modify. You may distribute the Engine free to users who need it to run your stackware.

### FUTURE RELEASES

New releases of HyperCard for ADAM will allow one to integrate HI-RES screens of your creation or other source into your HyperCard stacks,

with text options. You will also be able to accompany each card with sound effects or music. Versions of the Toolkit will provide programmers with more options to create for the user. Upgrades will be available to HyperCard for ADAM purchasers at a nominal fee. These new versions of HyperCard will come with Transformers, which will convert any of the existing stackware into the newer graphics/sound formats.

### WHAT IS INCLUDED IN THE PACKAGE

The HyperCard Programmer Package consists of two components: a Manual and a Datapack.

#### THE MANUAL

The manual is professionally presented in a clear, good-quality vinyl booklet to which you can add and remove pages. 1) Instructions for creating Stacks. 2) Instructions on creating Stackware that loads and runs by itself. 3) Mapping paper, so that you can draw a map of how your stacks are organized. 4) Fluorescent "StackWare" labels for labelling your datapacks/disks. Gives a professional look to your finished Stackware, and is practical. 5) Hints for making Stack Development easier.

#### THE DATAPACK

The datapack is the nice Loran-type pack filled with almost 50K of important stuff.

1) The HyperCard Toolkit. You need it to create, edit and fine-tune your stacks. You can use the Toolkit to examine the other Stackware provided in the package. 2) The HyperCard Engine. This is the program that lets other ADAM Users use your Stackware if they don't have HyperCard. It is free to distribute with your Stackware. And it helps keep the User from tampering with your Stackware. 3) The HyperCard Self-Booting Engine. This is like #2 above, except that the end result is that you can give someone a datapack/disk that boots SmartBASIC, then the Engine, and then your Stackware, all by itself. The User doesn't have to lift a finger, until your Stackware is on the screen. Also, free to distribute. 4) An Idea Demo Stack. This huge Stack (actually several linked Stacks) is full of ideas of different kinds of Stacks you can use HyperCard for (other than games!). It is a good example of how you can use HyperCard to make educational software and information-retrieval software (like dictionaries and encyclopedias and directories).

The price of the complete HyperCard package is \$25.00 for Americans and \$25.00 CDN for Canadians. Please include \$3.00 for postage and handling. You may expect to receive regular information (by mail or phone) of new HyperCard upgrades and add-on modules.

Please send all orders by money-order or call me (collect if you are ordering) at the phone number listed or you may also order HyperCard through N.I.A.D. or many other ADAM mail order firms.

HyperCard works on ALL basic ADAMs, without the need for memory expansion or other hardware upgrades. While it is written in SmartBASIC V1.0, it does not modify SmartBASIC, and there are no CALLs. Future versions of HyperCard will be able to take advantage of hardware upgrades and high resolution graphics. Your "old" Stackware will be able to be converted into the new versions of HyperCard, enabling you to make custom versions of your Stackware for "customized" ADAMs.

The HyperCard Companion, an add-on package to the Toolkit, will be available soon. Included with the new software is HyperCard Tools. It will give you more control over the keyboard (including special control of the "WILDCARD" Key) and a couple of more card types.

# Merry Christmas

As has become our custom, N.I.A.D. is offering some great specials this year as well as our New / Renewal Membership Bonus. Please carefully read over all this material before placing your order, noting the minimum order requirements for the free gift choices and the beginning and ending dates of these specials.

Unlike previous years, this year we will not be sending out vouchers for people who qualify for a free gift and do not select one when they mail or phone in their order. If placing an order via phone, 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 the 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 forfeit your free selection. Also, please inform us whether you wish to receive software on DISK or DATA PACK. If a choice is not made, the software will be sent on DATA PACK. NOTE: Limited stock available on a number of titles.

Regarding ordering in time to guarantee delivery of the product(s) before Christmas - THE SOONER YOU ORDER, THE MORE LIKELY YOU WILL RECEIVE YOUR ORDER BEFORE CHRISTMAS !! N.I.A.D. will be working as hard as we can to process and ship your orders, but we can't perform miracles. If you want to place your order via phone, please call us Monday through Friday - 11am to 7pm or 9am to 5pm on Saturday, Central Standard Time. The phone number is: (708) 961-3529.

## NEW / RENEWAL MEMBERSHIP SPECIAL

Any **NEW** or **RENEWAL MEMBERSHIPS** postmarked between **11/21/90** and **01/31/91** will be eligible to receive ONE of the following **FREE GIFTS WITH A PRODUCT ORDER OF AT LEAST \$20.00**. I.E.: You cannot receive the free gift for just renewing your membership or joining, a minimum **PRODUCT** order is required on software, hardware or supplies.

- 1. Any ONE Public Domain Volume
- 2. Personal Calendar Utility Disk / Data Pack
- 3. Swift's Label PrintShop Disk / Data Pack
- 4. N.I.A.D. GOLD: Games I Disk / Data Pack
- 5. N.I.A.D. GOLD: Home & Business Disk / Data Pack
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- 8. N.I.A.D. GOLD: Utilities Disk / Data Pack
- 9. N.I.A.D. Product Review Book
- 10. N.I.A.D. Public Domain Review Book

## NIAD CHRISTMAS SPECIALS ORDER SIZE BREAKDOWNS

Any product orders, **MINUS MEMBERSHIP COSTS**, postmarked between **11/21/90** and **12/31/90** will be eligible to receive a free product dependent on the size of the order. Please, only base the order total on the products ordered, do not include the cost for membership, shipping & handling or balance due payments.

### ORDER SIZE: \$75.00 - \$149.99

Your choice of ONE of the following free:

- 1. Any TWO Public Domain Volumes

- 2. TWO Coleco Tan Hand Controller (Joysticks)
- 3. TWO Coleco 7 ft. ADAMnet Cables
- 4. Super Zaxxon Data Pack
- 5. Basic Basic Programs For The ADAM Book
- 6. America At War Data Pack
- 7. World Capitals Data Pack
- 8. TWO 256K Digital Data Packs
- 9. TEN 5 1/4" DS/DD Diskettes with Sleeves and Tabs
- 10. FIVE 3 1/2" DS/DD Diskettes

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Your choice of ONE of the following free:

- 1. Any FOUR Public Domain Volumes
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- 3. Cabbage Patch Kids: Pic Show Cartridge
- 4. Centipede Cartridge
- 5. Defender Cartridge
- 6. SmartTERM V1.02 Disk / Data Pack
- 7. Flash Facts: History & Vocabulator Data Packs
- 8. FOUR 256K Digital Data Packs
- 9. TWENTY 5 1/4" DS/DD Diskettes with Sleeves and Tabs
- 10. TEN 3 1/2" DS/DD Diskettes

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Your choice of ONE of the following free:

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- 3. GraphixPAINTER Disk / Data Pack
- 4. The Heist Cartridge
- 5. Reedy Entertainment Pack Disk / Data Pack
- 6. TWENTY 256K Right Dir. Digital Data Packs
- 7. TEN 256K Digital Data Packs
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Take **7% OFF** all orders over \$500.00. Membership Cost, Balance Due Payments and Shipping / Handling **DO NOT APPLY** to total value of order.



# Season's Greetings

## PRICES EFFECTIVE 11/21/90 TO 12/31/90

N.I.A.D. IS DOING IT AGAIN!! Yes, we have compiled another full-page of tremendous sale items for our members (these prices are only valid for current members, standard retail pricing is still in affect for non-members). This time, however, we are offering these specials as a means to say "THANK YOU" for all the support we have received from you, our members, over the years and also "HAVE A MERRY CHRISTMAS AND HAPPY NEW YEAR". The "SUMMER HEAT WAVE SALE" was more or less put together to help us clear out of a number of older products, as you can see by the drastic change in the Product List from June until now. It was tremendously successful and we hope that this "SEASONS GREETINGS SALE" will be equally successful for ourselves as well as providing some relief to your pocket book at this time of year. We all know what a strain the Christmas Season can be on personal finances (IT IS WELL WORTH IT THOUGH!), so hopefully we will be able to lessen that strain.

The products that are contained in this listing are products which we plan to continue carrying, with the exception of a few here and there. If quantities are low and we will not be restocking an item, the product will be displayed in dark, bold print so as to inform you that there are only so many left and the product will not be supplied through N.I.A.D. anymore once stock is sold out. For complete descriptions of the products, use the July / August '90 Fall / Winter Catalog.

## COMMERCIAL SOFTWARE

	WAS	NOW
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□ ADAM BOMB (64K) by PITMAN SOFTWARE.....	\$19.95	\$15.95
□ ADDICTUS by REEDY SOFTWARE.....	\$17.95	\$15.95
□ AFL FOOTBALL by SUPERIOR SOFTWARE.....	\$14.95	\$11.95
□ ALCAZAR by ACTIVISION.....	\$18.95	\$15.95
□ AQUATTACK by INTERPHASE.....	\$17.95	\$14.95
□ BASIC BONANZA by MARTIN CONSULTING.....	\$14.95	\$6.95
□ BLACK GOLD by IMAGE MICROCORP.....	\$15.95	\$11.95
□ BLOCKADE RUNNER by INTERPHASE.....	\$15.95	\$13.95
□ BOULDER DASH by MICROFUN.....	\$18.95	\$16.95
□ CENTIPEDE (CART) by ATARISOFT.....	\$12.95	\$9.95
□ DEFENDER (CART) by ATARISOFT.....	\$12.95	\$9.95
□ DIABLO by IMAGE MICROCORP.....	\$15.95	\$11.95
□ DINOSAUR DIG (64K) by PITMAN SOFTWARE.....	\$16.95	\$13.95
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□ FATHOM by IMAGIC.....	\$18.95	\$15.95
□ G.A.M.E. SET #2 (DDP) by DIGITAL EXPRESS.....	\$12.95	\$6.95
□ H.E.R.O. by ACTIVISION.....	\$16.95	\$13.95
□ HEIST (CART) by MICROFUN.....	\$18.95	\$12.95
□ KEYSTONE KAPERS by ACTIVISION.....	\$17.95	\$14.95
□ LINKBUILDER by SUPERIOR SOFTWARE.....	\$19.95	\$15.95
□ MIND OVER ADAM by PITMAN SOFTWARE.....	\$11.95	\$9.95
□ MOONSWEEPER by IMAGIC.....	\$15.95	\$13.95
□ NOVABLAST by IMAGIC.....	\$18.95	\$14.95
□ PHRASE CRAZE by REEDY SOFTWARE.....	\$17.95	\$15.95
□ PHRASE PAK I by REEDY SOFTWARE.....	\$9.95	\$7.95
□ PHRASE PAK II by REEDY SOFTWARE.....	\$9.95	\$7.95
□ PHRASE PAK CON. SET by REEDY SOFTWARE.....	\$9.95	\$7.95
□ PITFALL II by ACTIVISION.....	\$17.95	\$15.95
□ PRO GOLF CHAMP by SUPERIOR SOFTWARE.....	\$14.95	\$11.95
□ REEDY ENTERTAINMENT PACK by REEDY SOFT.....	\$13.95	\$9.95
□ REEDY SOFTWARE LIBRARY by REEDY SOFT.....	\$17.95	\$9.95

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□ SEWER SAM by INTERPHASE.....	\$17.95	\$14.95
□ SQUISH'EM SAM by INTERPHASE.....	\$18.95	\$15.95
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□ SOFTPACK I by E&T SOFTWARE.....	\$18.95	\$14.95
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□ BASEBALL STATISTICIAN by WIZARD'S LAIR.....	\$12.95	\$9.95
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□ SmartTERM V1.02 by KEHOE SOFTWARE.....	\$15.95	\$9.95
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# "HAVING A WONDERFUL TIME - WISH YOU WERE HERE!"

## SPECIAL REPORT: ADAMCON 02

by David Cobley, V.I.S.A.



To paraphrase my opening remarks with regard to ADAMCON 01, ADAMCON 02 was surely successful for those who attended. The only sobering note, if you can use that phrase with reference to a convention, was the obvious absence of many of the well-known figures of ADAMdom, as well as many suppliers. I am sure they all had valid reasons for staying away, but they missed a splendid "gathering of the clans".

The atmosphere during the convention was "electric", or perhaps I should say "electronic". Whatever it was, if you have never experienced the buoyant sensation, that goes with being among people who share, not only your enthusiasms, but their knowledge, expertise and ambitions, you should seriously consider attending the next ADAMCON, to enjoy that unique experience.

If there was ever any doubts about the future of ADAM, one half-hour spent at a gathering such as ADAMCON, should be sufficient to convince even the most pessimistic of soothsayers, that ADAM is "in for the long haul". Among those attending, the general opinion about ADAM's future, was sufficiently optimistic, that there is already a volunteer convener of ADAMCON 03. But until such time as he officially announces, that ADAMCON 03 is "go", I prefer to respect his anonymity.

A vote of appreciation goes out to Monte Neece, ADAM's ubiquitous convention organizer, and the executives and members of MTAG and LAUGH, who devoted their efforts toward making ADAMCON 02 the success it was. And a special vote of thanks goes out to Ken Batcher, who laboured unceasingly, as Master of Ceremonies, throughout the entire convention, and whose ability to remain "unflappable", contributed significantly toward making it all work, as well as it did. I suspect Ken probably went home after clearing up behind everyone else, and slept for a couple of days. He certainly didn't get much sleep during the show. Well done Ken! I hope that, in retrospect, you had as good a time as the rest of us.

After the usual period of registration activity in the afternoon, ADAMCON 02 started off with a reception, as an ice-breaker, on Wednesday evening, August 15th, in the tradition established at ADAMCON 01. Richard Clee, president of MTAG, gave the opening address, on behalf of both MTAG and LAUGH, as co-hosts, welcoming the people who were attending the convention. For those of us who had been at "01", it was something like a family reunion, and every bit as enjoyable. Renewing established contacts is usually pleasant, and to add to that, is the pleasure of meeting people, whose names you have heard repeatedly, throughout your association with ADAM, but who you have not met to that point in time. The atmosphere at the reception, in fact throughout the entire convention, was relaxed and convivial. An enjoyable beginning to an enjoyable and informative gathering.

Thursday, August 16th, was the first of the planned seminar-days. A "general" session, was scheduled after breakfast, and again, at the end of the sessions, to permit topics of general interest to be aired and discussed. Sessions were programed throughout the day, and the registrants were split into two, "manageable-sized", groups, which alternated between the two rooms set aside for seminar purposes. This meant that the person acting as convener for each subject was able to relate to smaller groups, which provided a better forum for information interchange.

Thursday's schedule included sessions on SmartBASIC Programming by Dale (and Neil) Wick, Product Demonstrations by Syd Carter and Eric Danz, Graphics by Pat Herrington, The ADAM News Network by Dean Roades, ADAM Repairs by Phil Kosowsky, Hardware Design and Marketing by Syd Carter, and PowerMATE/EOS by Ron Mitchell. In a general session, scheduled immediately following lunch, the subject was User's Groups and the ADAM Community. This was conducted by Dave Hill, together with a panel of representatives from various User's Groups, including Ron Mitchell of AUFU, Pat Herrington of MOAUG, Dean Roades of 463 AUG, Rich Clee of MTAG, Faye Deere of ECAUG and your's truly from VISA.

Friday, August 17th, started with a general session to discuss a proposal to establish a Roll of Honor for deserving ADAMites. The session was chaired by Richard Clee and a series of proposals, developed by a group of ADAM News Network executives, was presented to the conventioners, for their consideration and subsequent discussion.

After this "general meeting", the group again split into two smaller bodies, and attended sessions on Video Game Program Writing by Eric Danz and SmartBASIC Programming by Dale Wick. At 11 a.m., the ADAM Store was opened to conventioners, to provide them with an opportunity to "shop" for the "goodies" displayed there, before the "store" was opened to the "general public" from 2 to 5 p.m. Among the "storekeepers" were Eric Danz of ADAMzap Software with his software products, Alan Neeley of ADAMLink of Utah, with his own telecommunications creations, as well as general ADAM items, Pat Herrington and Jim Poulin, of MOAUG, with Solomon Swift's Phoenix 2000 "Convention Specials", Ken Batcher of ADAM Distributing and Marketing, with a selection from his stock of ADAM items, an MTAG table of their regular supply of both expendables and other items, including Trisyd 320K data packs, Syd Carter of Trisyd Video Games with a selection of his products, including the "all-new" Dynamite Sound Digitizer, with or without SmartCLOCK, Dean Roades and Bart Lynch selling subscriptions and "library" volumes for the ADAM News Network, Jim Walters of Walters Software Co., with supplies of his software products, Ron Collins and John Villilo with Chris Braymen's MIDI-MITE Interface, and Jim Clancy, an ADAMite from Montreal, with an extensive array of his personal ADAM equipment and publications for sale.

Although the sales area appeared well-occupied, the absence of such vendors as M.W. Ruth, N.I.A.D. and ADAM'S HOUSE was noticeable. Reedy Software issued an "ADAMCON 02 Software Specials" flyer for the occasion, and provided prizes for the "draw" at the Banquet, as did many other suppliers, but it would have been more meaningful if they, and other ADAM suppliers, had sent someone to be at the convention. These first two ADAM Conventions have been the highlight of the ADAM Community to date, and it is a pity that the opportunity to impact on ADAMites, by attendance at them, is missed by those we depend upon, for our supply of the "latest" and "greatest".

One of the realities of holding a convention in Canada, as far as our U.S. based suppliers is concerned, is the problem of Canada's "refundable" 15% tax levy, imposed at the border on all goods imported for possible resale. This, despite the so-called Free Trade Agreement, and the absence of "Customs Duties" on computer hard and software. Even if there is no duty, Ottawa, and Excise Canada,

manage to make it "miserable" for our U.S. based companies to bring them for display, and sale at our Canadian conventions. That doesn't help our image one iota, and it certainly causes grief for the U.S. vendors. The presence of such a levy may well have been a significant factor in the decision by other ADAM vendors not to attend ADAMCON 02 and display and sell their wares.

After the "limited" sales session, the conventioners were "free" to pursue their own pleasures until Saturday morning, when Richard Clee devoted further time to the Roll of honor concept. The idea of having some form of "recognition", for those ADAMites who have made significant contributions to the short, but eventful history of the system, was generally supported by the attendees. There was some discussion about the criteria for selecting nominees for induction, and the final outcome was agreement, within those participating in the discussions, that the matter should be "managed" from within the ADAM News Network organization, and the selection committee, comprised of the executives of A.N.N., should act in that capacity. It was left to the A.N.N. executives to finalize the nomination and selection criteria, and agreed that ADAMCON 03 would be the most suitable forum for the first induction ceremony.

Following the general session, the group proceeded, as on previous days, to split into two smaller groups, and attend sessions on the MIDI-MITE interface, given by Ron Collins and John Villilo, (ably assisted and sometimes "prompted" by Ron's young son), Terminal (BBS) Programs by Alan Neeley, product Demonstrations by Jim Walters, and PowerMATE / CP/M / T-DOS by Ron Mitchell.

After lunch, the group attended sessions on IBM / ADAM Communications by Dave Hill, and Advanced SmartBASIC Programming by Dale Wick.

That completed the regular convention sessions, except for the Awards Banquet and a further period of the ADAM Store, open to anyone, from 2 until 5 p.m.

Before dealing with the final Awards Banquet, I should mention that, throughout the convention, an ADAM had been made available, to anyone who wished to participate in a contest to achieve the "highest" scores at ADDICTUS, Jack Reedy's "mesmerizing" video game. More on this later.

After an informing session of "socializing" in the ADAMCON 02 "Hospitality Suite", which, I believe, doubled as Ken Batchers' quarters, the group, minus a few early "departees", for various reasons, repaired to the Rotterdam Room, which had been the locale of most of the group meals. There, with gay abandon, they celebrated the success of the convention with an excellent Prime Rib of Beef dinner, replete with a plentiful supply of wines, and a cash bar for those who preferred other libations. The food was exceptional and the service, better than average. In his inimitable fashion, Ken Batchers managed to act as M.C. at this function, while still managing to consume his meal. A feat that took considerable skill and resourcefulness.

While the diners lingered over coffee and liquors, four ADAMs, which had been set up at the far end of the dining room, were involved in a free-for-all, time-limited, play-off, to choose the convention's "Addictus Champion". The noise level in the assembly rose in direct proportion to the scores of the various players, and the final outcome of the competition, was a winner, in the form of a young ADAMite from Moncton, named David Barnett, with his mother cheering him on. Well done, David!

During the course of the after-dinner period, subsequent to the Addictus championship, a "Draw" was conducted, using numbered tickets and ticket-stubs, drawn from an ADAMCON 02 Cap. At the conclusion of the draw, most convention registrants had received two

"awards", which ranged from free, one-year memberships in various User Groups, through software packages and gift certificates, to a grand prize of a 10 megabyte Hard Drive donated by Rob Friedman. All of the "prizes" were donated and the draw itself was a highlight of the evening, due, in no small measure, to the relentless good humor of our Master of Ceremonies, Ken Batchers.

The evening progressed, through the closing address by Richard Clee, as Convention Chairman, to the painful, but necessary farewells, accompanied by promises of regular communication, with friends and acquaintances alike.

If I had the chance to vote on the success of ADAMCON 02, I would vote a definite "YES". I thoroughly enjoyed myself, and I'm sure everyone else did too. What a pity more ADAMites couldn't attend.

David Cobley, Newsletter Editor  
Vancouver & the Islands Senior ADAMphiles  
V.I.S.A.  
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Parksville, B.C., Canada V9P-1S6

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## RUN! DON'T WALK!

### SUPPORT PLANNING FOR ADAMCON 03

by Jim Notini

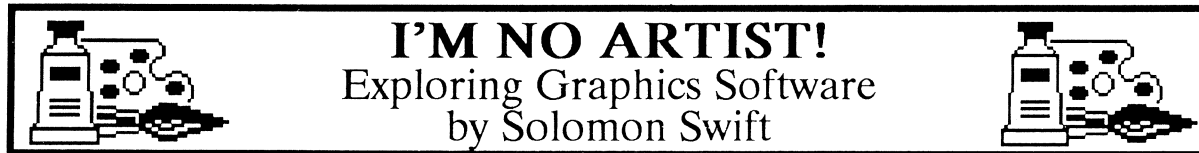
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Already, as you read this November issue of the N.I.A.D. Newsletter, planning for ADAMCON 03 have begun. The process of planning and putting into affect these plans is a long and tedious process! One which your's truly would never want to undertake! Luckily, however, I am not the CHOSEN ONE! This dubious honor has fallen into the very capable hands of 463 ADAM President Dean Roades and others from his user's group have already volunteered to aid in finding the best site and accommodations possible among other things.

As was mentioned in the last issue of the N.I.A.D. Newsletter, ADAMCON 03 is tentatively planned for the Merrillville, Indiana. A site which I have no idea contains any major attractions as did Orlando, ADAMCON 01, and Toronto, ADAMCON 02. As far as I can see, this is a tremendous advantage to ADAMCON 03 due to the fact that this will mean less time running around to see the sites and more time to get down and dirty with the ADAM (something we all like to do, shown by the fact that we are still using it almost six years after Coleco and all the big boys decided to bail out).

ADAMCON 03 promises to be the best ADAM convention ever due to the simple fact and that the midwest states (Ohio, Michigan, Indiana, Wisconsin and Illinois) contain the largest base of ADAM owners who are still active in their use and support of this system. Also, because for those outside of this region, it is centrally located. But, in order for ADAMCON 03 to be as much or more of a success than the first two conventions, Dean Roades needs to here from you as to what you would like to see as far as a date (tentatively planned for August 1991), setup of the convention and number of days amongst many others.

So what am I asking of you? Simply to let yourself be heard. To come up with ideas that you feel would be worthwhile additions to the standard activities of the convention and most of all to inform Dean or ourselves whether you plan to attend, would like to attend but are not sure if you will, or if you can't attend at all. By knowing what kind of turn out to expect, Dean's job of finding a location will be made tremendously easier. So the next time you call us up or send in an order, let us know if you can make it so we can pass this information onto Dean. Please do not wait until the last possible minute!



To me, the single most intriguing aspect of the home computer is that it means so many different things to such a diverse group of users. To some it is pure entertainment used solely for gameplay. To others, it provides an intellectual challenge in creating programs that perform specific tasks. Many employ it as a word processing tool. A few are deeply steeped in CP/M and rarely even consider exploring the enormous gamut of available software. Others utilize the system strictly for telecommunications.

But the largest portion of us ADAM owners dabble in virtually every aspect of computer usage. One of the most exciting fields of usefulness is graphics. You can enhance your documents with artwork, design eye-appealing newsletters by mixing text and graphics, print artistic address labels, create colorful screens for your own computer games, print signs and borders, and have lots of FUN!!

And ... best of all, you DON'T HAVE TO BE AN ARTIST. We have an abundance of pre-drawn artwork ready to be printed. And, if you can't draw a straight line or a perfect circle, don't worry; the computer handles these tasks for you with ease. There are two fundamental areas of graphics software for the computer: design/print utilities and existing artwork. In this article I'll examine the bulk of available products in both areas.

Most of the existing artwork is in the public domain, IE, it can be freely copied and disseminated. The P.D. artwork is either converted from other computers for use on our system or created specifically for ADAM by our own artists. We are most fortunate to have a few very talented artists in our corner. Seven immediately come to mind for me: David Carmichael, James Casey, Ricki Gerlach, Patricia Herrington, Jim Notini, Tony Patterson, and Anthony Yulo. We all owe these artists a debt gratitude for their numerous contributions. And, they typically receive little to no remuneration for their labor, so be sure to thank them whenever possible. We'll take a closer look at the specific volumes of artwork after exploring the offerings in the design area.

By far, the two best selling pieces of non-Coleco software for ADAM are SignSHOP by Strategic Software and PowerPAINT by Digital Express. SignSHOP allows you to print signs, banners and greeting cards right on your daisy wheel printer. You can choose from three sizes of text as well. The graphics are not as sophisticated as is afforded by bit image capabilities with a dot matrix printer, but the results are certainly eye-appealing. Strategic Software has another excellent graphics package for those who have only the ADAM printer, called NewsMAKER. This program uses SignSHOP-type graphics allowing you to mix text and art freely on the same page in multiple columns. These two fine pieces of software require only the standard ADAM system. But, P.D. modifications are available that allow you to use them on a dot matrix too. Also, there are volumes of artwork created for SignSHOP and NewsMAKER.

One of the more typical reasons for drawing graphics on the monitor screen is to print your creation out on paper. With some graphics print programs on just about every system, there is a problem in translating the screen graphics proportionally (dot for dot) to the printed hardcopy; the printed rendition will be either stretched or squeezed horizontally. This can be the result of the graphics card, the dot matrix printer, and/or the software generating the hardcopy. Because this inconvenience was rather widespread, the acronym WYSIWYG (pronounced WIZ-EEE-WIG) was coined to describe those few exceptional programs that allowed you to print in exact proportion to the screen images: What You See Is What You Get.

Note that ADAM's video chip is capable of designing graphics in both the background and the foreground. However, you can only print one of these. If you tried to print both, the result would just be a large shaded box; every dot on the screen would be printed whether it was turned on (foreground) or turned off (background). Also note that to print these graphics you need a dot matrix printer with at least an 8-pin printhead; and, it should be IBM 5152 or Epson FX (or RX) graphics compatible (virtually all DMP's manufactured in the last few years have this compatibility.)

We have six WYSIWIG graphics print programs for ADAM. Each of these programs require a Centronics compatible parallel interface (available from several ADAM vendors) and a dot matrix printer. "GraphixPAINTER" by Wayne Motel of N.I.A.D. was the first. It offers both landscape and portrait options (horizontal and vertical printing). "SimplePAINTER" (a public domain contribution by me) and "IMAGE 2.0" (by Vihn Lee) also do only printing of existing graphics. Both IMAGE 2.0 and GraphixPAINTER offer mirror image and reverse printing. SimplePAINTER is not as fast in printing because part of the print function is written in BASIC rather than Z80 machine code; but the program does allow you to enlarge a fourth of the screen to fill the entire screen and then save it.

"ShowOFF I", by Digital Express, prints screen graphics in various sizes and allows you to design the graphics within the program. It offers design conveniences such as displaying screen coordinates, automatic polygon functions, and easy color changes. It will store and retrieve pictures in it's own file format.

"PowerPAINT", also by Digital Express, is, by far, the most versatile graphics printing or design program available for the ADAM. But, all this power comes with a price; it costs more than any of the others and requires at least a 64K memory expander.

PowerPAINT lets you print one screen, two screens (joined horizontally) for a printed letterhead, four screens (two horizontally, two vertically) for half a printed page, and eight screens (two horizontally, four vertically) for a full printed page. It also has an option to print the upper half of the screen to produce graphic disk labels. And there are numerous options such as background or foreground printing, vertical stretching (two or four times standard proportion), and mirror image. Even though the program offers a wide range of typefaces and sizes, it does not have any other word processing features.

Because PowerPAINT does have so many design and print capabilities, a wealth of support software has grown up around it (both utilities and pre-drawn pictures). In fact, most software writers for ADAM today use PowerPAINT to design their games' colorful, graphics screens. We'll discuss this program in a little more detail later when we take a look at the various graphics design programs for ADAM.

In addition to the graphics print programs we discussed, there is another program called "SwiftPRINT". SwiftPRINT is also by Digital Express (me). Though it is the software package that I am least proud of, it does offer some useful features. Nearly each of the graphics print or design utilities for ADAM has it's own picture storage format. SwiftPRINT will load and store in virtually any storage format. It does require at least a 64K memory expander. It will print just one screen or two side-by-side (for a letterhead). The program has three boldness selections: draft (one pass), near letter quality (four passes), and laser quality (nine passes). It will also print using black and grey shading; and it does color printing on an Okimate 20 (though rather slow in the

process). It also has color changes and text entry options.

"PaintMASTER", by Strategic Software, was the very first multi-featured graphics design program for ADAM. Loosely modeled after MacPAINT (for the Macintosh), it offers a variety of options with icons to the left of the drawing window. It does not offer any print options; however, there are now P.D. contributions that print it's pictures on both a dot matrix and on the ADAM daisy wheel (six pages for one screen).

"CLIPPER", by Digital Express, introduced the concept of "clip-art" to ADAM. You can draw, enter text, and change colors within the clip. The chief function, however, is to "clip" small graphics from larger pictures. These clips can then be inserted into your own creations similar to the way a commercial artist works, using a "paste up" box. These clips can be used in PowerPAINT as well as "The Label Works" and "The Print Works" (both by Walters Software Co.).

"SpritePOWER", another package by Digital Express, offers numerous options for creating sprites. These sprites can be used in your own programs for quick, colorful animated characters (instructions are included for doing this). Also, the sprites can be used in PowerPAINT for stamping the small graphics on your picture making easy borders, brick walls, etc. Another use for the sprites is to design large alphabet characters for stamping in PowerPAINT. And, you can "capture" sprites from screen pictures from within the program too.

"FontPOWER", by Digital Express, lets you design typefaces for use with ADAM. You can use these in BASIC, your own Z80 programs, and in PowerPAINT. There are currently nearly three dozen such typefaces available.

"SHAPEMAKER" is a public domain contribution by Guy Cousineau of AJM Software. This is, by far, the most versatile program available for creating vectored shape tables. The shapes created can be used in your own BASIC programs (using the DRAW, XDRAW, SCALE, & ROT commands) for animation (vectored shapes are different from sprites in that instead of "bit image" graphics, they provide a fast method of HPLotting designs. The shapes can also be used in PowerPAINT as paintbrushes for some graphics effects that would not be possible.

Though WYSIWIG ("What You See Is What You Get") graphics design is generally easier for the computer artist to work with, non-WYSIWIG graphics design programs can offer comparable, if not superior, output capabilities. We have two such excellent programs available for the ADAM owner. Both are by Walters Software Co., "The Print Works" and "The Label Works". Without on-screen previewing, design requires some forethought; but, the printed results can be quite impressive.

The Print Works has four basic output options (banners, greeting cards, letterheads, and signs) for your ADAM and a dot matrix printer. To generate these creations, you have three design tools: borders, clip-art, and fonts. The package is compatible with CLIPPER clip-art and FontPOWER font sets; you can print fonts and clips in three sizes: standard, double, and quadruple. With the fonts you can select either left or center line justification.

The Label Works is a utility for creating address and diskette labels with graphics and text. It uses CLIPPER clip-art and the dot matrix printer's built-in typefaces for text. You have four typeface/pitch options: elite, italics, expanded and compressed. You select the print options for each text line. The address label option will handle up to a 200 entry database.

Support graphics entails a variety of file types: clip-art, font sets, paintbrushes, sprites, sprite fonts, and larger full-screen graphics.

The single largest collection of support graphics is the debut production by Eyezod Graphics, "PowerTOOLS". This disk/ddp is

packed with OVER 90 FILES and contains hundreds of individual graphics. I consider it *sine qua non* for PowerPAINT users. In fact, I use it so much myself that I keep it in the same diskette sleeve with my personal copy of PowerPAINT. The package includes the Christmas Tree Construction Set, lots of paintbrushes and clip-art, three unique sprite font sets, a huge variety of sprite borders and background fillers, and several other useful graphics tools.

"PaintAIDE", by Digital Express, includes over three dozen font files for use in SmartBASIC, Z80 programs, and PowerPAINT. The package also lets you customize some aspects of PowerPAINT.

PowerTOOLS and PaintAIDE are the largest collections of typefaces for use with the ADAM and PowerPAINT; PowerTOOLS also has a huge variety of other types of graphics. The remaining support graphics are typically either text graphics (for use with NewsMAKER and SignSHOP) or bit image graphics including both clip-art and full-screen graphics. Many early volumes of commercial clip-art for ADAM are about half public domain clip-art. This can be a little disheartening to the avid graphics user; but, keep in mind that the original artwork in these volumes involved a lot of creative effort.

Wizard's Lair offers volumes of both bit image (full-screen and clip-art) and text graphics. Gerlach Family Software has several volumes of clip-art organized by topic, as well as a few volumes of text graphics. LOF Communications offers a few volumes of full-screen graphics and ALSO has a digitizing service to convert your own camera snapshots to RLE or PowerPAINT pictures.

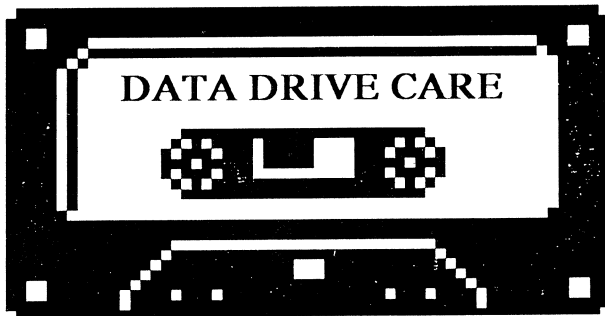
There are certainly a lot of predrawn graphics in the public domain too (not copyrighted). Most every ADAM retailer stocks these volumes of clip-art and full-screen graphics. SimplePAINTER, one of my P.D. donations, offers printing of screen graphics and enlargement of one-fourth of a screen to fill the entire screen. BPdeluxe, another of my donations, lets you boot SmartBASIC V1.0 with your own graphics screen. First, you must get your graphics (GR, HGR, or HGR2) on the screen; this can be accomplished by using SimplePAINTER and then RUNing BPdeluxe. Next, you need to copy SmartBASIC V1.0 to the medium with the new graphics file (named BootPic); you can do this with my P.D. program, BasicXfer, or with any block copy program (only copy SmartBASIC; not the boot block too). Now just pull the computer reset and your BASIC loads with a nice graphics screen.

We are most fortunate to have two EXCELLENT graphics design programs in the public domain. DaVinci (translated from French to English by Ron Collins) is icon-driven with several design options. The Coleco Graphics Processor is Coleco's own in-house design/conversion program. There are two versions of C.G.P. Both are replete with functions, but the cartridge version (sold commercially) actually allows you to capture graphic screens which are displayed by ADAM.

Neither DaVINCI or C.G.P. offers any print options; several months ago I donated a P.D. package entitled Graphics Converter which converts either picture format to the PowerPAINT standard for printing, etc.

The world of ADAM graphics is ever-expanding, offering you more and ever more options for creating appealing graphic games and generating impressive printouts for school, hobby, correspondence, and business applications.

Also, since this series began, I've released two more commercial graphics packages. "Personal Calendar Utility" quickly creates full-page graphic calendars, allowing you to enter text, clip-art, and borders ... and it's WYSIWYG, too. "Swift's Label Printshop" lets you create various sizes and styles of typefaces (with user selectable vertical and horizontal point spacing) ... this one is WYSIWIG too. Look for these and many other graphic packages mentioned in this article in your favorite ADAM vendor's catalog.



## DATA DRIVE CARE

by Rick Lobbestael

I would like to add an addendum to the article on digital data drives by Claude Ferland which appeared in issue #64, May '90 edition of the N.I.A.D. Newsletter.

Temperature control is critical, BUT air circulation is not all that is necessary. The most vast amount of heat build-up comes from when the data pack has spun, the program has loaded, and you use the computer for a prolonged period WITHOUT REMOVING THE DATA PACK FROM THE DRIVE!! I have noticed that the original data packs seem to hold heat longer than other data packs made from audio cassettes.

When you use your disk drives, don't you load the program, then remove the disk until the program calls for it again? If not, this should be done to prevent heat build-up in the drive as well as the possibility of an accidental erasure. So.... how many of us are guilty of leaving the data pack in while we use a utility or play a game?

My kids have left our ADAM on for over 48 hours, come home, and run the drives with no ill affects. BUT, leave a data pack in this same system left on overnight and watch the servo system of the data drive be out of wack! I'm not advocating to leave your ADAM on for an extended time like this, but when everyone in the house uses the machine when they please, it's bound to happen once in a while.

In the seven or eight data drives that I have repaired for myself and friends, I've found that the heat build-up usually causes problems with Q-4 and Q-6 in the servo unit. This will make the data drive speeds to be erratic, or the motor will act as if it is burnt out. If it acts like this and you try it too many times, the motor WILL be burnt out!

When cleaning the heads and the rubber wheel, I find it easier to clean the wheel with a non-residue general purpose contact cleaner spray and while the heads are still slightly damp, I buff them dry with a clean Q-tip (to me, buffing seems to keep the heads cleaner for a longer time frame).

Since N.I.A.D. has said that the data drive supply is starting to dry up, and even if your data drive is no good (and you've replaced it with a new one), it would be wise to keep an old one for spare parts. At least this way, there is a possibility of having a data drive repaired when there aren't any new ones available.

I've also found that the servo board, Revision "C" Q-6 is usually the culprit. Q-6 = 2SD1051 transistor which G.E., E.C.G., and ARCHER list no substitutes for. It is available through Mashusta (that's Quasar or Panasonic Service / Parts Depot).

I can't guarantee that all this information is 100% accurate, but it's what I've noticed in the units that I have fixed.

## PROPORTIONAL CONSIDERATIONS

when using POWERPAINT

by Jan W. Czart

Part of the screen available for design is 240 x 160 in pixels. Images on the screen appear elongated horizontally. This effect is further intensified when an image is printed on the paper, which may be fine for some designs.

To get an image to print in nearly natural dimensions on paper, one has to use a 3 : 4 proportion (horizontal to vertical), when plotting an image on the screen. This derives from the fact that it takes 60 pixels to print 1" horizontal line while it takes 80 pixels to print 1" vertical line.

These dimensions are approximate but sufficiently accurate for the purpose of transferring a design from sketch to screen to paper. Actually the graphics screen of the Powerpaint prints at slightly less than 4" horizontally and a bit more than 2" (2 1/4") vertically, so the 3 : 4 proportion may be not mathematically precise, still adequate to the task. It can be changed to suit a particular purpose, like making an image look elongated vertically rather than horizontally.

As to the actual method of plotting here is one I used:

To place any size image on the monitor screen:

1. Make a grid on paper, dividing the horizontal border into 240 (24 will do) equal parts and the vertical border into 160 (16) equal parts.
2. Draw your sketch on the grid.
3. Transfer sketch onto the monitor screen by plotting reference points via keyboard and connecting them. There is more than one way to do this with Powerpaint.

This method will produce standard (default) image on the screen and the paper alike, that is an image elongated from left to right.

In effect, it is reducing or enlarging the picture in one dimension, depending on how one goes about plotting it on the grid.

To obtain an IMAGE IN NATURAL PROPORTIONS on paper:

the grid has to be divided so that for each 3 horizontal units of measure there are 4 corresponding units vertically. That is simply making a grid in horizontal to vertical proportion of 3 : 4.

Since the grid still has to be 240 x 160 units of measure to correspond with that number of pixels of usable monitor screen, this will involve some cropping or extending the used image unless it happens to fit that framework. Or else one can go for a picture composed of more than one screen.

If a free floating image, that is an image not extended all the way to the borders of the graphics screen, is all that we want, then the task of transferring any size picture or own sketch to screen to paper is much simplified.



# ADAM BULLETIN BOARD

by Jim Notini



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PARKSVILLE, BC., CANADA V9P-1S6  
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The following listed ADAM User Groups were organized for local owners of the ADAM Computer (people in the immediate area) to supply help and information. The AUGs listed below may or may not be in operation still, but writing a letter to them may prove worthwhile. Also, remember that no matter how small your AUG may be, it still plays a role in keeping the ADAM going, so send us any information about your group so that we may list it here for our members and others who read our newsletter.

**HAWAII AUG**  
MARC ACOSTA  
1534 HOONIPO ST.  
PEARL CITY, HI 96782  
AUG

**ADAM MICROHACKERS**  
DAVE KENNEDY  
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NEW YORK, NY 11206  
AUG

**ADAM SUPPORT GROUP**  
JOHN MOORE  
1970 FISHER TRAIL NE  
ATLANTA, GA 30345  
AUG

**ADAM USER'S OF EL PASO**  
DICK LEWIN  
6308 FALLING STAR  
EL PASO, TX 79912  
AUG

**AUG OF SAN DIEGO COUNTY**  
SUE ASKEW  
868 N. 2nd ST., #242  
EL CAJON, CA 92021  
AUG

**AUG SOCAL**  
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1736 SOUTH BEDFORD ST.  
LOS ANGELES, CA 90035  
AUG

**AUG #305**  
JOHN F. BUSBY II  
6634 SW 41st ST.  
DAVIC, FL 33314  
AUG

**BAY REGION ADAM INFO**  
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550 27th ST., #202  
SAN FRANCISCO, CA 94131  
AUG

**DENVER AUG**  
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AUG

**DOWNTOWN MINNEAPOLIS AUG**  
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MINNEAPOLIS, MN 55408  
AUG

**GREATER CINCINN AUG**  
HAROLD ORNDORF JR.  
311 JOHNS HILL RD.  
HIGHLAND HTS., KY 41076  
AUG

**HOUSTON AUG**  
TOM RUTAN  
1805 14th AVE. N  
TEXAS CITY, TX 77590  
AUG

**LAKE ERIE ADAM USERS**  
JOHN FLINGER  
2110 W. 36th ST.  
LORAIN, OH 44503  
AUG

**MORE TO COME!**



# WHAT IS ADAM-FORTH?

by Keith Marner  
Editor of the U.K.A.S. JOURNAL



Starting with some questions asked about Forth:

- Forth is only for expensive special effects in film making?
  - Wrong. Although Forth was used for that purpose (Battle Beyond the Stars) and still is used as a highly versatile tool for special effects, it is used for much more than just that.
- Forth is only for industrial microcomputers?
  - Wrong. Although it is used for that purpose, one of its strengths is bringing simplicity into an otherwise complex situation.
- Forth is just another compiler?
  - Wrong. More accurately, it is a facility for creating a compiler with a vocabulary of commands appropriate to a particular application (computer problem).
- Forth is an OPERATING SYSTEM?
  - Yes. It provides its own commands, a development and operating environment, including a text editor (called a screen editor), compiler (screen compiler), debugging environment, and production run environment for compiling code.
- Forth is a highly transportable PROGRAMMING LANGUAGE?
  - Yes. It is usable on just about all top-of-the-line microcomputers. In regard to transportability, it may be second only to the "C" programming language.
- Forth is a HIGH-LEVEL language?
  - Yes. Its name was intended to be FOURTH (for Fourth Generation Language), but it was first implemented on an old (60's vintage) computer which happened to limit filenames to 5 characters, so FOURTH was shortened to FORTH. It provides the ability to generate a lot of efficient code from very short, readable source file text.
- Forth is a LOW-LEVEL language?
  - Yes. It is also an assembler which allows for the entry of assembly code. If that is what the programmer wants to do. In most cases, experienced FORTH programmers would only do this for 2 to 20% of a program only where running time is particularly vital and the extra effort to write assembly code is clearly worth it.
- Forth is a software mix of an operating system, assembler, high-level programming language, and a set of development tools?
  - Yes and No. It DOES cover the whole range of software indicated, but in addition, its use over the years has resulted in a perspective and philosophy about how to do system analysis and programming. Some have even said that it is a broader philosophy about how to look at and solve problems, period. (See, for example, Thinking Forth - by Loe Brodie - 267 pages plus Appendicies - Englewood Cliffs, NJ 07632: Prentice Hall, Inc., 1984.)
- Forth is only for expensive computers?
  - Wrong. It runs on an ADAM as well as other low cost computers.

- Forth is the ONLY programming language for the future?
  - Wrong. This has never been suggested by anyone, nor even been printed in any newspaper or magazine. What has been discussed among experienced FORTH programmers is that, depending on the problem, one of two, complimentary languages would be useful --- PASCAL and FORTH.

Some computer problems are sufficiently structured and/or familiar that PASCAL is the language of choice. For more unstructured (or unfamiliar) applications, FORTH is a complimentary language that is preferred.

Invariably, when a new-commer brings up a new problem situation for discussion, one of the more experienced Forth people will ask for more information about the situation before offering any opinion.

Now, here's another short program file (called a screen) in Forth:

```

0 1/2 Screen # 8      SAMPLE.BLK      1jun86tcg
1 : throw (Sum -- n)
2 1/2 calculates n, the number of ways of getting Sum using 2 dice
3 0 swap (sets counter to 0)
4 7 1 do (outer loop)
5   7 1 do (inner loop)
6     dup i j + (sums the 2 for compare to sum)
7     = if swap 1 + swap then (if equal, adds 1 to counter)
8     loop
9     loop
10    drop cr .."out of 36 ways " cr cr ; (output)
    
```

Here is what the output looks like when you run it for 7, 2, 8, 0, 1, and 11:

```

ok
7 throw
6 out of 36 ways
    
```



```

ok
2 throw
1 out of 36 ways
    
```

```

ok
8 throw
5 out of 36 ways
    
```



```

ok
0 throw
0 out of 36 ways
    
```

```

ok
1 throw
0 out of 36 ways
    
```

```

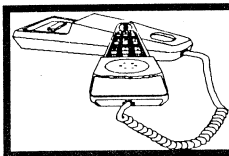
ok
11 throw
2 out of 36 ways
    
```



```

ok
    
```

In the next article we'll discuss more of the specific features and advantages of using FORTH, plus another sample or two.



# USED & SWAP CORNER



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

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

## COLECO / ADAM CARTS with Original Box and Manual

- Space Fury .....\$10
- Telly Turtle.....\$10

## COLECO / ADAM CARTS with Original Manual

- Beamrider.....\$10
- Cabbage Patch Kids: Pic Show.....\$10
- Cosmic Crisis.....\$10
- Defender.....\$10
- Destructor.....\$10
- Donkey Kong.....\$10
- Donkey Kong Jr.....\$10
- Front Line.....\$10
- Gorf.....\$10
- Keystone Kapers.....\$10
- Logic Levels.....\$10
- Miner 2049er.....\$10
- Pitfall.....\$10
- River Raid.....\$10
- Smurf.....\$10
- Super Action Baseball.....\$10
- Super Cobra.....\$10
- The Heist.....\$10
- WarGames.....\$10

## COLECO/ADAM CARTS without Original Box or Manual

- B.C. II: Grog's Revenge.....\$10
- Brain Strainers.....\$10
- Cabbage Patch Kids: Pic Show.....\$10
- Decathlon.....\$10
- Dr. Seuss' Fix-Up the Mixed-Up Puzzler.....\$10
- Fraction Fever.....\$10
- It's Only Rock'N Roll.....\$10
- Monkey Academy.....\$10

- Smurf.....\$10
- Smurf Paint'N Play Workshop.....\$10
- Super Action Baseball.....\$10
- Turbo.....\$10
- Zaxxon.....\$10

## USED ADAM SOFTWARE with Instructions

- Great Inventions Game (DDP).....\$5
- Home Files Manager (DDP).....\$5
- MultiWrite (DDP).....\$10
- PowerPrint (DDP).....\$10
- PaintMaster (DDP).....\$10
- Party Trivia Game (DDP).....\$5
- Personal Checkbook Manager (DDP).....\$5
- ProofReader (DDP).....\$10
- SignShop (DDP).....\$10
- States & Capitals (DDP).....\$5
- The Best of Broderbund (DDP).....\$10
- Turboload (DDP).....\$5
- World Capitals (DDP).....\$5

## USED ADAM SOFTWARE without Instructions

- Adventure Pack I (DDP).....\$5
- America At War (DDP).....\$5
- Copycart+ V1.0 (DDP).....\$5
- Game Pack I (DDP).....\$5
- Home Budget Planner (DDP).....\$5
- Packopy V1.1 (DDP).....\$5
- Personal Checkbook Manager (DDP).....\$5
- States & Capitals (DDP).....\$5
- The Solar System (DDP).....\$5

## USED ADAM HARD/BOOKS

- Coleco Hand Controller.....\$2
- Coleco ADAM User's Handbook (Weber)\$5
- EVE 1 Ft. Bus Extension Cable.....\$20
- EVE Card Edge Adapaters.....\$20
- Exp. Mod. #2 Driving Cont. with Turbo...\$35
- Keyboard with Joystick, Holder, Cable....\$10
- Orphanware RS-232 Serial Interface.....\$20
- Roller Controller w/ Slither, Two Control. \$35
- SmartBASIC for the ADAM (Brady).....\$5

## FOR SALE BY OWNER

→ Complete ADAM System with two Data Drives, 2 5 1/4" 320K Disk Drives, Commodore 1702 Color Monitor, ADAMLINK Modem, 64K Mem. Exp., SP-1 Serial/Parallel Inter., Printer Power Supply w/ Cover, spare keyboard, datadrive, P.D. & Comm' programs. Asking \$900.00. Contact: Bob Sheehan - 89 Stratford Ave. - Pittsfield, MA 01201 - (413) 442-5551.

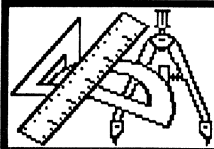
→ Complete ADAM System for sale with two Data Drives, hand controller and ADAM Printer with Tractor Feed, Printer Legs and On/Off Switch - \$125.00. ADAM with two Data Drives, hand controllers and ADAM Power Supply with Cover - \$50.00. Orphanware 256K Memory Expander with PIA-2 Parallel Interface and software - \$100.00. Orphanware 80 Column Unit with RS-232C Interface and WordStar V4.0 Word Processor - \$175.00. Avatex 1200e External 1200 Baud Modem with ADAMLINK III+ and various public domain telecomm. programs - \$50.00. Thomson 80 Column Monochrome Monitor - \$35.00. NEC Composite Color Monitor with sound and ADAM Monitor Cable - \$100.00. Panasonic KX-P1091i-II Dot Matrix Printer - \$100.00. Coleco 64K Memory Expander - \$35.00. 2 Coleco ADAMLINK Modem -\$25.00 each. 2 Coleco 5 1/4" 160K Disk Drives - \$125.00 each. Coleco Auto-Dialer with Address Book Filer - \$20.00. Super Action Controllers with Super Action Baseball - \$25.00. Numerous Colecovision cartridges - \$6.00 each, 5 or more for \$5 each, or all 46 for \$200.00. Assorted commercial programs on disk or ddp - from \$3.00 to \$10.00 each. Assorted ADAM books, manuals, guides, accessories and supplies - from \$5.00 to \$40.00 each. Assorted public domain software - \$3.00 each or all 32 disks for \$70.00. I will send copies of all items for sale to anyone interested who provides me with a SASE. Contact: David Waite - P.O. Box 53 - Granville, MA 01034.

→ The following items are for sale. All are in good condition and work properly. Any reasonable offer will be considered, for all or individual items. ADAM System with two data drives, Adam Printer, cloth covers, all original accessories. 512K MegaRAM Expander, MIB2 Interface w/ Serial Cable and software, MegaCopy III and software, Magnavox Color Composite Monitor, Roller Controller, Super Action Controllers, many additional commercial and public domain software titles. Contact: Tom MacDonald - 153 Haven Lane - Levittown, NY 11756.

→ Complete ADAM System with Printer and all items which were originally packaged with the system when sold in stores. Asking \$150 or best offer for complete package. Contact: Alice Wiley - 2847 W. 102 Pl. - Chicago, IL 60642 - (312) 445-5488.

→ Complete ADAM System, Data Drive, Adam Printer, Covers, 64K Mem. Exp., miscellaneous software, cartridges, books and NIAD Newsletters. Want to sell at one price, will not break up. Contact: David Allen - 2045 Henley - Springfield, IL 62702 - (217) 789-1803.





# CP/M 2.2 / TDOS WORKSHOP

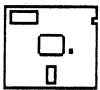
## Public Domain and Reviews

### by Doug Rosenvinge



#### In this Article:

- ⇨ Description of Niad CP/M Public Domain Volume CNDV-52
- ⇨ Review of Wordstar Release V4.0 for CP/M
- ⇨ Review of 22DISK - User Supported Software from Sydex



#### NIAD PUBLIC DOMAIN CNDV-52

This disk contains a number of useful programs and utilities. These are mostly used in conjunction with other programs.

- **APPEND** - This is a simple program that adds one file to another. If you are looking for a program to do this you already have it! (Check out PIP.COM's capabilities.)
- **DICTNU** - This is a limited grammar checker that helps eliminate wordy phrases & sentences. Do not use on a WordStar document that contains "dot" commands.
- **DBASE II MENU** - This is a menu shell for those with dBASE II. It also has a built in help database.
- **CHOPVDE2.ARC** - is incomplete or damaged. (Anyone have a complete version?)
- **LABLDISK** - is a disk label maker. It reads the disk label and then prints an alphabetized listing of the disk contents in condensed print. This requires some modification for your particular printer. The .ASM file is included for your modifications.

#### WORDSTAR / WORDPROCESSING UTILITIES:

- **SCRUB** - Takes a WordStar document and makes it an ASCII file.
- **UNSCRUB** - Takes an ASCII file and makes it a WordStar document. It does this by getting rid of extra CRLF (carriage return line feeds) after every line.
- **TWOCOL** - Is an MBASIC program for formatting a two column, newspaper style, document in WordStar. Requires MBASIC to run.
- **FILT** - Is a companion program for TWOCOL.BAS. Filtr removes WordStar dot commands before TWOCOL.BAS is used.
- **MAGE 3.1** - Is a document recovery program for WordStar. If for some reason the keyboard locks up, the disk is full and you abort, or you forget to save your document, MAGE will allow you to locate the copy in RAM and save it to a disk.
- **WSRESQ** - Is another document recovery program for WordStar.
- **SYA13** - Is yet another document recovery program for WordStar. It can also be configured for other programs such as dBASEII or SuperCalc 2. Requires some knowledge of how memory functions in CP/M programs to be set up for a particular program.

NOTES: 1) I have not had an opportunity to test the above programs. Descriptions do not always address the full capabilities of the programs. 2) When using WordStar or any other wordprocessor always save your text every few minutes! If you do this, you might not have to resort to any of the recovery utilities. No recovery utility will save you from a power failure.

### REVIEW: WORDSTAR PROFESSIONAL- RELEASE 4.0



Looking for a really powerful wordprocessing package that can make your ADAM do some amazing tricks. Do you want to do mailmerge letters that contain conditional paragraphs, perhaps three across labels (quicker to print than 1 across), see your Adam printed documents have headers, footers, centered text, bolded print, strike-out print, plus

super and sub-scripts? Would you like to see document lengths limited to disk size and not memory? If so, you may want to consider WordStar Release 4.

**The Basics:** WordStar 4.0 edits two types of files that are called "documents" and "non-documents". "Document" files are files that contain your text in WordStar's own format. These files contain control characters that are not printable by your printer. The "non-document" file is composed of only ASCII characters without any control codes. This file is displayable on the terminal and printable. "Non-document" files are also used for writing programs or submit files.

WordStar provides all of the common wordprocessor functions that you would expect to find. These basic functions include: searching and replacing; changing margins, tabs, decimal tabs, and line spacing anywhere in a document; moving, inserting and deleting of blocks of text; and the ability to read a file into another file or to write part of a file out to disk. SmartWriter can do most of these functions in a limited way. Where WordStar shines is in the options and advanced functions that it provides.

**Advanced formatting commands:** Footers and headers have up to three lines each, can have printer format commands embedded in them, and can be set up for odd and even page spacing. You can define where you want the page number to appear in any header or footer line, or turn it completely off. Paragraphs can be fully justified, left only justified, indented, and have temporary indents. Ruler Lines display the current tabs, indents and margins. The ruler line changes according to the formatting commands that are in effect. Hyphenation WordStar will provide help with hyphenation during a reformat of the paragraph. In merge printing WordStar will reformat the document if you like. This is important if your merge print includes conditional paragraphs or long sentences that would change the length of your document or line.



**Printing Commands** As printers go, the Adam printer is fairly limited. WordStar can increase what your printer can do by combining multiple strikes of the daisy wheel in the same location. The following print enhancements will work with an Adam printer: Bolding, Double striking, strike-out text, super and sub-scripts, and underlining that is continuous (including spaces) or non-continuous underlining (characters only). WordStar will also allow you to command the printer to stop so you can change a daisy wheel or ribbon for different printing effects.

If you have added a newer printer to your Adam computer, WordStar can handle that as well. Over 50 dot matrix, ink jet and laser printers are directly supported by WordStar 4.0. If your printer is also Epson or IBM compatible you should also have no problems. Even if you have a really strange printer WordStar can use it. Two printer drivers "Custom" and "Simple" have been provided for you to patch. (In fact, to use all of the Adam printer's capabilities properly, the custom printer driver must be patched.) Depending on the capabilities of your printer, WordStar will support italics, color, different pitches and any other special commands. WordStar allows you to define 4 print control commands for any other use you can think of. (One that leaps in my mind is to toggle between typefaces.)

Two notes should be made for WordStar 3.3 users. 1) The way in which WordStar 4.0 deals with printers is quite different than the previous releases. A program is provided to move printer patches you may have

made to WordStar 4.0 auto patch files. These files can be used to customize WordStar 4.0 with WSCHANGE.COM, also provided. 2) WordStar 4.0 does not allow you to print and edit at the same time (no ^KP command).

**Merge Printing** Past versions of WordStar have provided a strong "mail-merge" capability. WordStar 4.0 enhances that reputation with a strong conditional print feature. It is possible to control the printing of any paragraph during a merge print by the ".IF" dot command. For example, you could have WordStar print a paragraph thanking a customer for prompt payment if the balance of their account was "\$ 0.00" or print a paragraph demanding immediate payment if the balance was over "\$50,000.00." Both paragraphs would be in your document file, but only one would print depending on the comparison. WordStar will also do math operations based on data in the data file and print the results in the merge printed document. You can even create a merge print document that will read a data file and produce labels 3 across. (Your labels will print faster and your printer will have less wear and tear than if you used 1 across labels.) Merge printing is also useful for boilerplate letters and chain printing of files (one or more files are read into the document and printed).

**Spell Checking** If I have any complaints about WordStar 4.0 it is in the spell checking department. SpellStar has been replaced with "The Word Plus." SpellStar was never my favorite spelling checker, but it did allow you to put the dictionary used on any drive that you wanted. The Word Plus insists that you have your dictionary on the same drive as its programs. The dictionary is about 144k long, almost twice the physical size of SpellStar's dictionary, and contains 45,000 words. To use The Word Plus easily you need at least a double sided disk drive. I have run it off a datapack but would not recommend it as a regular procedure. If you have one of the 3 1/2" drives or a hard disk, you can run The Word Plus from WordStar 4.0's opening menu.

The Word Plus provides tools for automated correction of errors, counting words, solving word puzzles, and searching the dictionary. You can create specialized dictionaries and even a new main dictionary. (If you create a new main dictionary, not all of the tools will work with it.) Spell Checking consists of several phases: 1) Spell creates a list of unique words. 2) The words are compared to the dictionary (requiring only 1 pass through the dictionary). 3) Review will then take you through the list of misspelled words allowing you to correct, mark, look up in the dictionary, or add the word to the dictionary. 4) MarkFix then changes your document based on the selections you made with Review in step 3. This is not as complicated as it sounds because each of the programs Spell, Review, and MarkFix are loaded and run automatically for you.

**Miscellaneous Features** Almost everything in WordStar 4.0 is customizable. You can install it for almost any computer by patching its user areas with WSCHANGE.COM. (Patching is a technical procedure that changes the actual code used in a program. Practice it on **COPIES** of your program only! If your changes work out, copy them to your working disk. But never, never mess with your original copy!) You can change how keys on the keyboard work with WordStar, the valid disk drives, help levels (how much help is on your screen at any time), delays before help screens show up, default settings for page layout, printers, ports or anything else. Niad will make my patches for WordStar 4.0 available in its Public Domain Library, for those that need them.

**Philosophy** Every computer program has a purpose and a philosophy behind why the programmer chose to make it work the way it does. At a recent presentation of WordStar 6.0 for MS-DOS computers I heard part of WordStar International's (Micro Pro's new name) design philosophy. WordStar is designed for touch typists. Virtually all commands can be typed from the regular keyboard without using any special keys (function keys or Smart Keys). Instead, commands are

initiated by holding down the control key with your pinky and typing a two stroke command. You can do things much faster if you don't have to take your eyes off your work to find some occasionally used key! Try this experiment. To save a file and quit editing it in WordStar, you type ^KD. That is, hold the control key down and type a "k" (upper or lower case - doesn't matter) followed by a "d" (you don't need to hold the Control key down for this one either). To do the same in SmartWriter, you have to find the Store/Get key and press it, press the smartkey for storing the work space, press a smartkey for which drive to use, press store work space again, then go and clear your document by first pressing the clear key and then using the smartkeys again. Which sequence do you think is faster? WordStar does in 3 key presses what SmartWriter does in 7 key presses. Try any command sequence and I am sure you will find that WordStar is faster in most cases. The command sequences make WordStar appear more complicated than it is. Help screens at the top of the display tell you all your options. You can always ask for more help as well by typing ^J. As you get more familiar with WordStar you can reduce the help level. This will give you more screen to work with for editing and faster response times.

**What Do You Get in the Package?** WordStar Release 4.0 is attractively packaged in it's own slipcase. Inside the slipcase is a box labeled "Installation Kit" and a spiral bound, 428 page manual. The installation kit contains 6 single-sided disks (Program, Install, Printers, Readme, Speller, and Dictionary), registration card, printer reference and command reference card. The manual is well written and complete. It contains sections on installation, learning WordStar (example files are on the program disk), reference guide, instructions on using The Word Plus, and a series of appendices full of useful information.



**The Bottom Line** If you want a full featured wordprocessor for your Adam then consider purchasing Word Star Release 4.0. It is slightly more expensive than some others on the market, however it offers great flexibility and a lot of power.

## REVIEW: 22DISK

22DISK is a highly useful package from Sydex - 153 North Murphy Ave. - Sunnyvale, California 94086 - Phone: (408) 739-4866. 22DISK is an MS-DOS program for IBM and compatible computers. If you will be using your CP/M files on an MS-DOS machine, this is the program for you. 22DISK allows you to copy files from CP/M to MS-DOS and MS-DOS to CP/M, read the contents of a file, format, or see the directory of a CP/M disk on an MS-DOS computer. It supports quite a few CP/M file formats, both single and double sided. It is very useful for converting one CP/M format into another. When I received my copy of WordStar Release 4.0 from WordStar International it was on Kaypro format CP/M disks. 22DISK was the way I transferred the files to ADAM disk format. I copied all the CP/M files to MS-DOS then back to CP/M again, only in the ADAM format this time. 22DISK also allows you to create your own disk format definitions if your disk drive is not one of the ones currently supported. If you have any use for transferring files between the two systems then get this program! The cost is only \$15! You can find 22DISK on some BBSs. The latest version will be sent to you when you register with Sydex and pay the \$15 registration (\$40 for commercial or multi-system use). The advantages of registering include more supported disk drive types and some utility programs not in the evaluation package found on the BBSs. Sydex also offers a number of unique programs, including a CP/M emulator that will run most CP/M software on a PC! 22DISK is a must have utility if you want to work in both MS-DOS and CP/M. It is to CP/M users, what The ADAM Connection is to EOS users!



# PUBLIC DOMAIN ENHANCEMENTS

## SmartBASIC V2.0

Have you ever wished that you could put your SmartBASIC V2.0 into the drive, pull the reset, and load into the EXTENDED MEMORY MODE and then load a second "hello" program --- ALL without having to type in the usual "EXTMEM" command and "hello" program name? You can, thanks to Gary Hoosier! Of course, you must have at least a 64K Memory Expander to get Extended Memory (90K of free workspace versus 25K), but a simple setup program and patch to SmartBASIC V2.0 will need to be done to produce the desired results.

When SmartBASIC V2.0 is booted, it will load a HELLO program that you can easily write to command the system into the EXTMEM Mode. The program simply need say: `10 PRINT CHR$(4); "EXTMEM"`

SmartBASIC V2.0 will load the Extended Memory Mode version, but once loaded, has no provision to run a second "hello" program. This can be changed with a patch to BLOCK 35 - SECTOR 4, where 27 Bytes are available after the "Hi Cathy" statement. This is where the ASCII string "SmartBASIC V2.0" is located that prints onscreen. Use FILE MANAGER V2.0 to eliminate the string (any block and sector editor will do), replacing it with a brief statement such as "Loading..." followed by a HEX 04 (CONTROL D), followed by the command "RUN DRIVER" (where 'DRIVER' is the name of the program you wish executed first in EXTMEM mode), followed by a HEX 13 (RETURN). This will effectively run your program immediately after EXTMEM has loaded.

In effect, you will have a SmartBASIC V2.0 which loads into Standard Memory (STDMEM), then loads the "HELLO" program for STDMEM which contains the command line to load EXTMEM (printed above). Once EXTMEM is loaded, SmartBASIC V2.0 will search for a "DRIVER" program filename, and if found, will continue to load that file. You will now be in Extended Memory Mode (EXTMEM) and the "DRIVER" program can be set up to run another program.

Listed below is a dump (print out) of the modified SECTOR 4 of BLOCK 35. You may modify it yourself (use a backup copy when making the modification) or you may purchase this enhanced SmartBASIC V2.0 through the N.I.A.D. Public Domain, SmartBASIC V2.0 EXTMEM. The version which we have setup will load into STDMEM first and then ask the user if they wish to load EXTMEM. If not, the user is then asked if they want to load the parallel printer driver for STDMEM. If the user elects to load into EXTMEM, then EXTMEM is loaded and the user is once again asked if they want to setup a parallel printer driver (NOTE: The parallel printer drivers for STDMEM and EXTMEM are not compatible, therefore there are two different versions on this media, STDMEM is in "HELLO" and EXTMEM is in "DRIVER").

### SmartBASIC V2.0 MODIFICATION SECTOR DUMP

ADDR	BLOCK #: 36	SECTOR#: 4
00	5C 3E 02 57 41 68 40 01 CA 3F 01 19 3D 01 F7 3E	
10	04 19 3D 23 41 19 3D 15 3D 01 F1 3D 03 19 3D 23	
20	41 19 3D 02 19 3D 9F 3D 05 19 3D 23 41 19 3D 49	
30	41 19 3D 02 16 41 19 3D 02 2E 41 19 3D 02 07 41	
40	19 3D 04 48 69 20 43 61 74 68 79 1B 0C 4C 6F 61	
50	64 69 6E 67 20 2E 2E 2E 2E 2E 2E 0D 04 52 55 4E	
60	20 44 52 49 56 45 52 0D 28 63 29 20 31 39 38 34	
70	2C 20 4C 61 7A 65 72 20 4D 69 63 72 6F 53 79 73	

## RICHARD SCARRY'S BEST ELECTRONIC WORDBOOK EVER

This game is supplied on data pack only. Such a large and comprehensive game as this is takes a while to load and is well worth the wait. Up until recently, there was no way to successfully operate this game from disk, but Ron Collins patched it to work from 5 1/4" 320K or 3 1/2" 720K disk drives and D. Millington of Sandbach, Chesire (England) has provided the necessary patch information for you hackers out there. For this fix, you will need to use one of the many software packages that will allow you to edit blocks on your data pack or disks. If you do not have the know-how, feel free to send in your label insert plus \$4.00 and we will provide you with disk version. Note that this program is too large to fit entirely on a 5 1/4" 160K disk, so you will need to own a 5 1/4" 320K or 3 1/2" 720K disk drive in order to operate this program from disk.

- BLOCK 0: Change BYTE 0069H from an 08 to an 04
- BLOCK 4: Change BYTE 0128H from an 08 to an 04

To make a disk copy, just make a backup of the master data pack to disk and then with your editor, modify the bytes on BLOCK 0 and 4 of the disk copy as described. These changes will allow this program to run from disk only rather than data pack. When the program is fully loaded, it gives data drive #1 a pulse, but communication still stops with the disk drives.

Here is the dump (print out) from the subject two blocks so that you may see exactly where to make the changes:

### RICHARD SCARRY'S MODIFICATION SECTOR DUMP

ADDR	BLOCK #: 0	SECTOR#: 0
00	F3 31 0E C9 ED 56 3E 01 CD 14 FD AF D3 3F 01 01	
10	C2 CD 91 C8 01 00 00 CD 91 C8 01 02 06 CD 91 C8	
20	01 03 80 CD 91 CB 01 04 00 CD 91 C8 01 05 36 CD	
30	91 C8 01 06 07 CD 91 C8 01 07 01 CD 91 C8 21 00	
40	00 01 00 40 AF CD BC C8 FD 21 88 C8 FD 46 00 FD	
50	23 C5 FD E5 FD 6E 00 FD 66 01 FD 5E 02 16 00 FD	
60	46 03 C5 E5 D5 01 00 00 3E 04 CD 69 FC D1 E1 FE	
70	80 20 F0 01 00 04 09 13 C1 10 E7 FD E1 01 04 00	

### RICHARD SCARRY'S MODIFICATION SECTOR DUMP

ADDR	BLOCK #: 4	SECTOR#: 2
00	D1 C1 F1 FD E1 DD E1 D9 E1 D1 C1 08 DB BF 32 82	
10	2D 3A 83 2D 3C 32 83 2D F1 ED 45 21 F1 2D 34 21	
20	F4 2D 7E B7 28 01 35 C9 04 AF 32 32 2F 32 31 2F	
30	3D 32 30 2F 2A 3F 01 22 2E 2F C9 2A 2E 2F E9 47	
40	01 4F 01 98 01 BB 01 3A 32 2F CB 7F CA 12 02 3A	
50	32 2F FE 87 CA 29 01 2A 33 2F ED 5B 35 2F 01 00	
60	00 3A 32 2F FE 81 20 08 3A 28 01 CD A2 FC 18 1A	
70	FE 82 20 08 3A 28 01 CD AB FC 18 0E 3E 00 32 31	



## ADAMOUSE II External by THOMAS ELECTRONICS Reviewed by Jim Notini

The ADAMOUSE by Thomas Electronics has been available for a number of years through other ADAM vendors. This first version of the ADAMOUSE was, for a mouse with no packaged software, quite expensive and the internal version required a good amount of work to get setup, while the external version simply plugged into the joystick port (#1 or #2 depending on which port the program you were using at the time accessed), but it was not compatible with a good portion of the software which was available at the time.

Now Thomas Electronics has modified the ADAMOUSE into the ADAMOUSE II, which is compatible with virtually all Coleco and ADAM software as well as being considerably marked down in price (some \$40). The ADAMOUSE II is a perfect match in it's two tone casing to the ADAM System and attaches to the ADAM the same way a joystick would be attached along with a female/male power connector which plugs into were the power cord from the printer or power supply plugs in. The power cord then plugs into this connector. Without this power cord for the ADAMOUSE II plugged in, only the 2 buttons on the mouse will work, but with the power connector hooked up, the mouse is ready.

I have tested the External ADAMOUSE II with a number of ADAM software programs and have found that it works extremely well with programs that would normally accept input from joystick. The programs that work the best with the mouse are SmartWRITER, PaintMASTER and Mage Quest Construction Set, however, the External ADAMOUSE II will not work at all with programs such as PowerPAINT and GoDOS V1.2. This is not a fault of the mouse, but the actual routines in these programs that are used to read joystick input and it is unlikely that these programs will ever be modified to work with the mouse. The Internal version might work with these programs, but we do not have this version to test, so you will have to contact Thomas Electronics for further details. The mouse should work perfectly with all SmartBASIC programs which accept input from the joystick, I have tested some with success, but not everything as of yet.

Support is the main topic behind any hardware item and the ADAMOUSE II will be fully supported for years to come via programs which are being developed, ADAMOUSE Graphic Utility (the next generation graphic design package which is said to be even better than PowerPAINT), as well as planned programs such as ADAMOUSE CAD and ADAMOUSE ARCHITECT. Also, almost every program which is available now that accepts joystick input will work with the ADAMOUSE II, so support is not much of a worry.

Also, when the ADAMOUSE Graphic Utility is completed, it will be packed with both versions of the ADAMOUSE II at a slightly higher price. This software packaging is the norm for all mouse products on other systems and will be further incentive to purchase. People who purchase the ADAMOUSE II prior to the completion of the Graphic Utility will be offered this program at a discounted price. Hopefully, a full-fledged desktop publishing program will be developed now that we have a bonafide mouse available! When the ADAMOUSE Graphic Utility is completed and packaged together, the mouse will receive a rating of an A+, until then...

HIGHLY RECOMMENDED: A

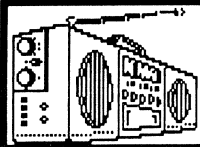
## ADAMWARS II by RM SOFTWARE Reviewed by Jim Notini

Just when I thought that it was safe to continue on with supporting the ADAM, the second series of ADAMWARS has hit! I'm sure many of you will remember all the bickering that went on a little over 3 years ago (has it been that long?), well, ADAMWARS II is the software program answer to some of the difficulties faced by vendors and developers alike. The whole idea behind the board game ADAMWARS II is to place the gamer into the role of running an ADAM company. The gamer will have to make all types of decisions (decisions which I am faced with in real life everyday) which will affect the prosperity of the ADAM computer. Will you buy hardware/software, buy the rights to distribute products, sell hardware/software, borrow money, elect/be elected to certain offices (newsletter editor, librarian, etc.), write software, demo products, trade (legally/illegally) products, etc. All this is complicated by the fact that the gamer must attain the status of a DEALER by totalling 2000 points before he can sell legally, copyrighted products (you start with 500 points as does ADAM). As you prosper and gain points, the ADAM will also prosper and gain points, with your goal being to finish the game with more points than the ADAM in this one player game.

ADAMWARS II is a totally SmartKEY driven program, which when booted will display the main game board that is broken up into 260 squares. Each square represents either an empty space to move over or a special option choice (displayed as a heart). You do not now where these hearts have been placed in the game board since they are hidden, but once you move onto one, the heart will be displayed and the function it represents will flash in the SmartKEY menu. Once you have moved onto a square with a heart, you may not move back onto it and all told there may be between 1 and 100 hearts randomly placed on the game board. Displayed above the game board is the amount of cash on hand (used to buy products), your point total and ADAM's. Beneath the game board is an information display which contains the current column and row which your cursor is on, number of turns left (you start with 50), number of turns used, number of the dice role (determines the number of squares you may move in one turn) and the number of squares moved in your current turn. Also, in this area, the number of hearts remaining in the game board will flash for a second or two when you land on a heart, also the SmartKEY function the heart represents will flash momentarily. At the bottom of the screen is the SmartKEY menu with six options: BUY, SELL, DEAL, LUCK, DICE and QUIT. Additionally, there are BUY, SELL, and DEAL screens which display information pertaining to the buying or selling of products or what kind of deal is taking place at the time (in order to deal, you must have landed on a LUCK heart first). Each sub-screen contains a SmartKEY menu which displays further choices which can be made. The last choice the gamer has is to trade money for points or vice versa by pressing the WILDCARD key. This will come in handy when the game is winding down and ADAM is ahead.

ADAMWARS II is a terrific rendition of what it really is like to run a computer related company, all the decisions and options are there for the user to experience. The graphics and sound effects are very well done, although sparse in areas, what there is, is very pleasing to the eye and also ear. If you want to experience the ups and downs of running a computer business, this is the simulation for you.

HIGHLY RECOMMENDED: A



# DYNAMITE SOUND DIGITIZER

by TRISYD VIDEO GAMES  
Reviewed by Terry Fowler



Trisyd Video Games has completed the first release of the DYNAMITE SOUND DIGITIZER cartridge. The cartridge plugs into ADAM's Game Cartridge port, and supplied software produces a nice picture of Syd Carter in the introductory screen while the program loads. Then Syd announces, "Trisyd Video Games presents the Dynamite Sound Digitizer" in clear English just prior to the main menu.

The DSD enables ADAM computer owners to capture audio signals and convert them to computer readable data. On the face of the cartridge is a gain control and a RCA Jack to plug a microphone or cable from any output of a radio, cassette, or any device equipped with unamplified audio output. Once sound is captured, it may be edited, played back, and saved to disk or data pack. The main use of the DSD is to provide voice mail, special effects, and audio applications that were too complex to do before. Since the playback feature does not require use of the digitizer itself, any ADAM with a functioning sound chip can use the captured sound within programs.

The main menu provides a Status Line at the top which provides information on the start and end sample data parameters called the Start Block and End Block. Below this is the Sample Graph, an area across the screen which shows graphically the sound you capture in either dot or bar representation. An info Line below this displays the Sample Rate. On the left, below this information line, are the Keypress Sprites, 15 icons with letter designations to help guide you in using the functions of the program. On the right is an information window used to display up to 13 lines of detailed information depending on what you are doing.

To get started, you can plug a microphone or in my case, a tape recorder into the DSD after it is booted to the Menu Screen. I played back a selected paragraph after pressing the "G" key to "Grab" the incoming sound. This information is stored in memory and appears on the Sample Graph in waveforms that can appear as either dots or bars, your choice by pressing the "B" key. Press the "P" key to Play back the sampled sound. It is suggested that you FIRST adjust the Gain by pressing the "O" key for Oscilloscope. A new screen will display that shows the sound waves in real time on-screen. Gain adjustment will produce smaller or larger waveforms with rounder or flatter arcs. The procedure provides the best possible waveform with the least amount of distortion and "cluck" noise. Adjust and then switch to the Audio mode to hear the result. You may also set the sample rate using the + or - keys. In effect, the greater the sample rate, the more sample may be accepted into memory, but the more loss of high frequency is noticed. Once you are satisfied, press the "UNDO" key to return to the Main Menu.

Once you have Grabbed a Sample of the audio you input and it appears on the Sample Graph, you may select the portion you really want by moving brackets that indicate the Start Block and End Block of the sample using the arrow keys. A feature is provided to enlarge the display to help position the pointers. You can likewise compress the view area to see the entire sample of a large sampling. It must be noted that the sampling goes on for a period of time that may be longer than the actual audio input. Once you've positioned the pointers and the playback is correct, you can save the data to disk, hard disk, or data pack. You may also elect to save the data in a form that you may use in SmartBASIC, however, I have yet to achieve proper results in this type of playback. Some last minute changes are still a bit foggy and the included SmartBASIC program to playback sounds is not functional, as an update indicates on the software package. Read this update to avoid some frustration, and hopefully the corrections to the included documentation will provide you with good results.

There are already several sound samplings included on the program medium that you may load. Loading and Saving are accomplished using the "Store/Get" key or by pressing the "L" or "S" keys. When loading, you may elect to load the sound at the Start of the Sample Graph, or within the confines of the Block Pointers, or at the next available unused area after a sample presently on the Sample Graph. When you playback, you play whatever is within the pointers. By pressing the "D" key, you may delete a sound block defined by the pointers. Press the "R" key to replace a block, or essentially copy a block area OVER the area currently indicated by the block pointers. The old area is stored, labelled blk #1, and you are instructed to select the data area to replace that area. Two new sprites are introduced in this new menu, a pointer hand and "P". The pointer alerts you that the (P)lay sound sprite is available to listen to the current area within the pointers. The "P" Sprite allows you to press the control key and "P" key together to play Blk #1.

Sound may be MIXED, pressing the "M" key allows you to mix original data pointed to with another area of data you may choose, thereby creating two sounds occurring at the same time. Mixing a sentence from two people produces the sound of two people talking at the same time. Only two sounds may be mixed at this time.

One option is not fully supported at this time. Pressing the "I" key provides the Intelligence function. This function will allow multiple block markers, the end use of which will be for the creation of complex melodies. Such uses may be for storing the entire 64 allophones that make up human speech and then playback to make up entire words. Currently installed is an actual memory location identifier in respect to the start and end blocks, allowing the person wishing to access their sound data in a way that is not yet supported by the software.

The Dynamite Sound Digitizer is very simple to use, produces a good representation of the sound input, and allows the means to save the edited result. It must be noted that a long sampled paragraph that uses all the Sample Graph area will consume up to 250+ blocks! A short sample like, "Pump Up The Volume", will consume 9 blocks. Of course, a Hard Disk Drive will access the data very fast and a data drive very slow. A Ram Disk is also available for temporary file storage.

The future holds further software advances for the DSD, as it has for virtually all products after their introduction. Syd already sees subsequent releases that involve changes to the Sound File Format that would allow a different data range playable on other computers. Also, if greater capacity memory expanders become available, it is possible to support a large ram disk in future releases.

One thing that you should not be confused about is the difference between the DSD and the MIDI-MITE Interface. The DSD is used to sample small pieces of sound for digitizing and saving for use in future commercial quality programs or personal programs. In this way, ADAM will have a limited vocabulary without the need for a Speech Synthesizer. A Midi Interface works as a higher quality device to allow ADAM to record and playback music between a Midi compatible device (synthesizer keyboard, drum pads, etc.) and ADAM. Midi songs do not require the extensive memory use that the DSD does. But, you cannot introduce sound into programs from MIDI saved sound. If you are looking for high quality music played through a synthesizer keyboard, the MIDI-MITE is the device you need. It will also play VideoTunes songs through your monitor or TV speaker, or through the synthesizer keyboard. And MIDI-MITE will allow you to play songs on your keyboard, recording as you play. Both devices use digitized sound data, but use the data in entirely different ways to produce sound.

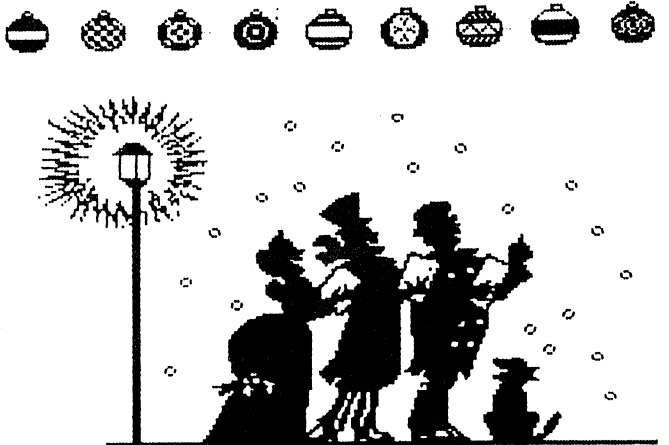
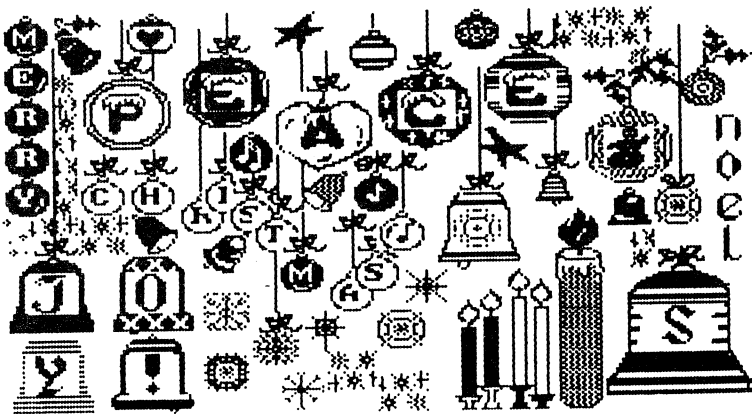
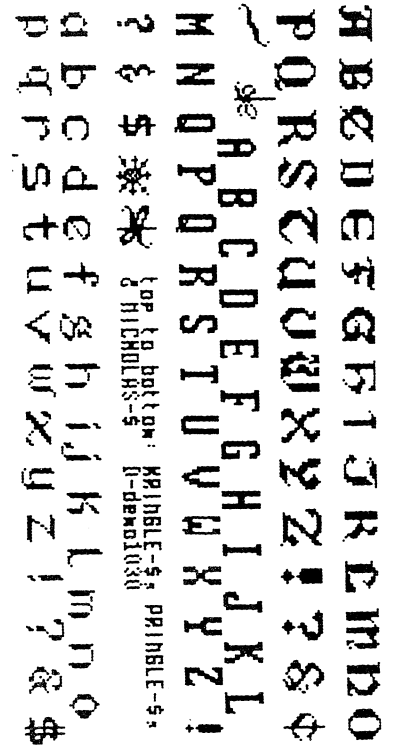
**YULE TOOLS I**  
 by EYEZOD GRAPHICS  
 Reviewed by Jim Notini

So, you say that there aren't enough Christmas graphics available on commercial and public domain packages. Well, the good people at EYEZOD GRAPHICS, creator of PowerTOOLS, have just released Yule Tools I in time for the Holiday Seasons and for you, the ADAM owners, to implement into your own PowerPAINT creations. Not only can these graphic files be used in PowerPAINT, but with the appropriate loader routines, they may also be used in your own SmartBASIC V1.0 programs!

Yule Tools I consists of: 1 full-cell header, 5 full cell graphics, 1 2-cell header, 1 full-cell of ornaments, 15 sprite files (some with the alphabet in the sprites, some with just letter sprites, and some with just graphic sprites) and each sprite set contains 32 sprites for a whopping grand total of 480 sprites, and 37 clip-art files (26 are candy cane letters, 3 are 4 separate ornaments, 3 are 4 separate bells, 1 large ornament, 1 large bell, 1 Santa Claus' sleight, 1 Pointsetta and 1 Sanat Claus cat)! All combined, this package of Christmas graphics totals 158K.

Since this is a graphics package, I won't waste space with words, but will leave room to display some of the terrific graphics which are included in Yule Tools I. For a price tag of \$13.95, Yule Tools is a must have!

HIGHLY RECOMMENDED: A+

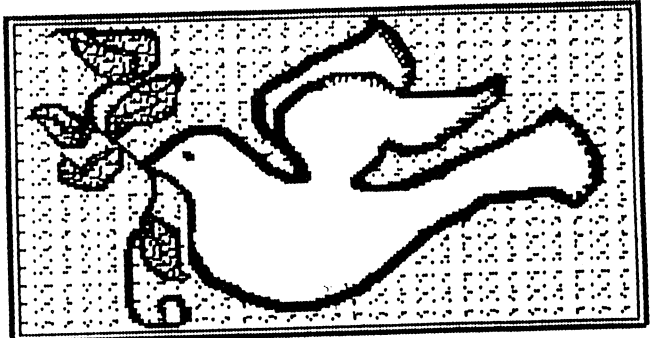


**HAPPY HOLIDAYS**

**YULE TOOLS**



**WINTER**



is not a season —  
 — it is a way of life

# N.I.A.D. PRODUCT LIST

EFFECTIVE 11/17/90 & PRODUCTS / PRICING SUBJECT TO CHANGE WITHOUT NOTICE

## ADAM HARDWARE

- **COMPLETE ADAM COMPUTER SYSTEM** ..... \$239.95  
One piece reconditioned Memory Console ADAM System, includes all components/software. 90 day warranty. Includes Shipping/Handling!!
- **EXPANSION MODULE #3 ADAM SYSTEM** ..... \$209.95  
ADAM and Colecovision Game System attaches together to make a complete ADAM System. 90 day warranty. Includes Shipping/Handling!!
- **ADAM DIGITAL DATA DRIVE** ..... \$59.95  
Replacement of second digital data drive for the ADAM Computer. Great to own to speed up the backup process and also as a convenience to eliminate the need for swapping data packs constantly.
- **DISK DRIVE POWER SUPPLY**.....\$19.95  
New, more reliable power supply transformer for ADAM Disk Drive.
- **ADAM PRINTER POWER SUPPLY**..... \$59.95  
Standalone power supply which can be used in place of the ADAM Printer (saves wear and tear) to power the ADAM. Great to own if you have a dot matrix printer so that the ADAM Printer can be unhooked.
- **POWER SUPPLY COVER with LIGHT** ..... \$14.95  
Protect your ADAM Printer Power Supply from dust, dirt and accidents with this cover and power on / off light. Instructions for hookup included.
- **ADAM KEYBOARD**.....\$19.95  
New keyboard for the ADAM, great to have as a spare or for replacement of defective keyboard. Comes with a 2 foot coiled cable.
- **TAN HAND CONTROLLER**..... \$5.95  
New Coleco Hand Controller with 12-button numeric keypad.
- **ADAMNET CABLE** .....\$2.95  
Flat, 7 foot cable for use with either the Keyboard or Disk Drive.
- **MONITOR CABLE**..... \$9.95  
Allows attachment of a Composite Monitor to the ADAM Memory Console providing both audio and video. Monitor must have separate RCA Audio and RCA Video input jacks. **NOTE:** Note available for the ADAM Expansion Module #3 Unit that attaches to the Colecovision.
- **160K 5 1/4" DISK DRIVE EPROM** ..... \$15.95  
Greatly reduces disk formatting time along with fixing some bugs in the original disk drive eprom for Single-Sided drives. User must install.
- **320K 5 1/4" DISK DRIVE EPROM** ..... \$17.95  
For use with older Double-Sided drive conversions by Eve Electronics. Reduces read / write time of most operations. User must install.
- **MEGACOPY TAPE MAKER TYPE III (Disk or DDP)** .....\$54.95  
Hardware device with software which allows for the creation of ADAM compatible data packs using the ADAM itself and two Digital Data Drives. Capable of producing over 12 different formats, 320K ALSO.
- **DYNAMITE SOUND DIGITIZER (Disk or DDP)** ..... \$79.95  
Cartridge with software which allows for the digitizing of any sound feed in through a standard RCA Audio Cable. Creates a digitized file which can be accessed in your own programs. Complete set of edit features. Can be supplied with SmartCLOCK Chip attached inside.
- **SmartCLOCK CHIP (Disk or DDP)** ..... \$44.95  
Plugs into U8 socket on ADAM Logic Board in Memory Console. Tracks hundreds of seconds, seconds, minutes, hours, days, day of the week, month, year, 12/24 hour modes, leap year correction.
- **D.S.D. with SmartCLOCK CHIP (Disk or DDP)**..... \$109.95  
Dynamite Sound Digitizer with the SmartCLOCK Chip already installed into the D.S.D. cartridge. If ordering the D.S.D. separately, you can't add the SmartCLOCK Chip by yourself. The D.S.D. would need to be returned to TRISYD VIDEO LABS for upgrade. 2 week shipping delay.
- **MIDI-MITE (Disk or DDP)** ..... \$74.95  
Allows your ADAM to communicate with MIDI compatible synthesizers. It has one MIDI-IN, one MIDI THRU and two MIDI OUT jacks. Included are two MIDI cables for connection to your synthesizers and a ribbon cable for connection to the ADAM side port. Advanced software included.

## MEMORY EXPANDERS

- **64K MEMORY EXPANDER** ..... \$34.95  
Provides an additional 64K of memory to certain programs. Many of the newest software packages require at least a 64K M.E. or can access it. Card easily installs into Slot #3 in Memory Console.
- **256K MEGARAM MEMORY EXPANDER** .....\$109.95  
Expandable memory board which will hold up to 1 MEGabyte of memory (1,024K)! Comes with 256K of memory installed and 3 open rows of sockets for upgrade with the 256K SIPs. Requires a Parallel Printer Interface or Addressor Card listed below to operate fully.
- **256K SIP** ..... \$49.95  
256K Memory Modules used to expand the MegaRAM Memory Expander. Add 3 256K SIPs to obtain a full 1 MEG (1,024K) of memory!
- **ADDRESSOR CARD** ..... \$19.95  
Installs in Slot #2 and required for use of MegaRAM Memory Expander if you don't have or purchase a Parallel Printer Interface.

## PRINTERS & INTERFACES

- **PANASONIC KX-P1180i DOR MATRIX PRINTER** ..... \$189.95  
(with ADAM Printer Interface & Cable (Disk or DDP)) ..... \$229.95  
9 pin dot matrix printer with 4K buffer and parallel connector. Draft speed 192 CPS, Near Letter Quality speed 38 CPS. Many built-in print styles: compressed, elite, pica and size adjustable. Bottom / Rear paper feed. One ribbon enclosed. Two year limited warranty.
- **PANASONIC KX-P1191i DOT MATRIX PRINTER** .....\$249.95  
(with ADAM Printer Interface & Cable (Disk or DDP)) ..... \$289.95  
Identical to KX-P1180i with faster draft speed 240 CPS and Near Letter Quality speed 48 CPS. Also includes a Front paper feed. One ribbon enclosed. Two year limited warranty.
- **PANASONIC KX-P1124i DOT MATRIX PRINTER** .....\$319.95  
(with ADAM Printer Interface & Cable (Disk or DDP)) ..... \$359.95  
Identical to KX-P1191 but 24-pin with 8K buffer. Draft speed 192 CPS and Near Letter Quality 63 CPS. One ribbon. Two year limited warranty.
- **E&T PARALLEL PRINTER INTERFACE (Disk or DDP)** ..... \$39.95  
Interface card with software that plugs into Slot #2 in the Memory Console and provides the ability to print text / graphics on any standard dot matrix printer. Requires Parallel Printer Cable.
- **MULTI-PURPOSE INTERFACE BOARD 2 (Disk or DDP)** ... \$74.95  
Provides two RS-232 Serial Ports and 1 Parallel Port along with Addressor Connection for 128K or larger Memory Expanders. Includes patch software for dot matrix printer and specially configured telecommunications software for non-standard serial ports along with the most current version of TDOS. Serial & Parallel cables sold separate.
- **PARALLEL PRINTER CABLE**..... \$14.95  
Cable attaches between Parallel Interface and Dot Matrix Printer for either the MIB2 (6 foot) or E&T Parallel Interface (3 foot).
- **SHIELDED PARALLEL PRINTER CABLE** ..... \$19.95  
6 foot shielded cable provides for extra shielding from interference.
- **RS-232 SERIAL CABLE**..... \$14.95  
6 foot cable attaches between M.I.B.2 and Serial hardware device.

## N.I.A.D. SERVICES

- **UPGRADE 5 1/4" 160K SINGLE-SIDED DISK DRIVE TO:**
  - 5 1/4" 320K DOUBLE-SIDED DISK DRIVE UPGRADE.....\$109.95
  - 3 1/2" 720K QUAD-SIDED DISK DRIVE UPGRADE .....\$129.95
- Send in your Coleco Single-Sided Disk Drive to be upgraded. Don't send power supply. Repair charge for defective drives. Send payment to NIAD, drive to: E&T Software - 1010 Westminster - Garland, TX 75040.

- **DATA PACK CONVERSION to DISK FORMAT** ..... \$4.00  
Send in your title card from your Coleco data pack to be converted to disk. Titles which can be converted are: Buck Rodgers, Donkey Kong, Donkey Kong Jr., Dragon's Lair, Zaxxon, Recipe Filer, 2010: The Text Adventure, Richard Scarry's Best Electronic Workbook Ever (320K or 720K disk only) and The Best of B.C.
- **SmartFILER UPGRADE to VERSION 27D**..... \$4.00  
Send in your SmartFILER Disk or DDP to be upgraded to the latest version 27D which fixes many of the known bugs.
- **INFOCOM CONVERSION to ADAM CP/M FORMAT** .....\$4.00  
Send in your INFOCOM titles to be converted to an ADAM CP/M format. Inform us whether to overwrite the original or to place the ADAM CP/M version on a separate Disk or DDP. The listed INFOCOM titles can be purchased at most computer stores in your area. We can convert: Zork I, II & III, Planetfall, Deadline, Starcross, HitchHiker's Guide to the Galaxy, Leather Goddess' of Phobos, Stationfall, Plundered Hearts, Seastalker and Ballyhoo.
- **ADAMCON 01 VHS VIDEO**..... \$19.95  
2 hour video tape covering product demos and seminars that were held at the ADAM Convention in Orlando, Florida - Oct. 7-11, 1989.

## EXPANSION MODULES

- **EXPANSION MODULE #1 ATARI 2600 ADAPTER**..... \$44.95  
Plugs into the front expansion slot on the Colecovision or the right side expansion slot on the ADAM Memory Console and allows for the use of ATARI 2600 compatible games on the Coleco/ADAM system. No additional hardware required. ATARI 2600 games are still available through numerous game stores.
- **EXPANSION MODULE #2 DRIVING CONTROLLER**..... \$49.95  
Steering wheel with gas pedal controller for use on the ADAM or Colecovision. Comes with a free TURBO cartridge and manuals.
- **ROLLER CONTROLLER**.....\$44.95  
Trackball with two joysticks slots to create a control center for use on ADAM or Coleco. Comes with a free SLITHER cartridge and manuals.
- **SUPER ACTION CONTROLLERS**..... \$44.95  
The ultimate in joysticks. Comes with 2 arcade style joysticks with 12 button keypad, 4 firebuttons, free SUPER ACTION BASEBALL cartridge and manuals.

## MANUALS & BOOKS

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

- **FROM BASICS TO BASIC**.....\$15.00  
A beginners look at computers. The first step in moving from SmartBASIC programming to machine language. Contains detailed overviews of the systems used in the computer and why they are required. When the reader has completed, machine language programming will be possible. Numerous machine code listings.
- **LEARNING TO READ WITH ADAM (Z-80)**..... \$25.00  
A discussion of machine language instructions, some specifically, and a great many generally, as the author develops the disassemblies of all that transpires after the reset button is activated. Promotes the direct use of routines in the ADAM's Operatin System.
- **MacADAM MANUAL** ..... \$19.95  
An enlightening 72 page manual that aids the user of the public domain title MacADAM with simple, step-by-step, methods of programming macros. Numerous assembly language routines listed.
- **MacADAM DEMO FILES** (Disk or DDP) ..... \$5.00  
Contains a number of demo files for use with MacADAM and also for use in SmartBASIC to further demonstrate what can be done with MacADAM.
- **ACCESSING VRAM** ..... \$12.95  
A detailed explanation of the Video Display Processor (VRAM) covering 15 pages which explains how to setup the two most used graphics modes. Numerous SmartBASIC and Z-80 code listings.
- **LEARNING TO WRITE WITH ADAM (Z-80)** (Disk or DDP) . \$25.00  
Assumes the reader has some knowledge with Z-80 machine language. Discusses the manner in which a write to media operations is performed, memory mapped ports versus standard IN/OUT ports, device control blocks (DCB's), creation of a new routine to replace the EOS WRITE\_BLOCK is generated, mass storage, Master 6801 processor and much more. Comes with outstanding SmartBASIC demo programs.

## MISCELLANEOUS SUPPLIES

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

**SMARTBASIC BNDV # 1 - 36:** 36 different volumes containing assorted SmartBASIC entertainment, application, graphics, patch, utilities and other misc. programs. Most volumes are auto-booting and contain SmartWRITER documentation.

**SMARTBASIC UTILITIES UNDV # 1 - 2:** 2 different volumes containing SmartBASIC utility programs such as file copiers, backup utilities, patches and other misc. programs. Volumes are auto-booting and contain SmartWRITER documentation.

**SMARTLOGO UNDV # 1 - 5:** 5 different volumes containing SmartLOGO entertainment, application, graphics, utilities, patches and other misc. programs. Volumes require the user boot SmartLOGO first, contain SmartWRITER documentation.

**ADAMCALC ANDV # 1 - 4:** 4 different volumes containing ADAMCALC spreadsheet formulas, tutorials and demonstrations. All volumes require the user to boot ADAMCALC first and contain SmartWRITER documentation.

**CP/M 2.2 CNVY # 1 - 54:** 54 different volumes containing CP/M 2.2 utilities, games, interpreters, patches, compilers, word processors and other misc. programs. Volumes require the user boot CP/M 2.2 first, most programs contain documentation.

**CPD SIGNS SNVY # 1 - 2:** 2 different volumes containing SignShop/NewsMAKER graphic files for use with these programs by Strategic Software. Volumes require the user boot SignShop/NewsMAKER first and contain SmartWRITER documentation.

**PINBALL GAMES PNDV # 1 - 7:** 7 different volumes containing Pinball Construction Set pinball games which were designed with this public domain program by Coleco. Each volume is auto-booting and contains SmartWRITER documentation.

**VIDEOTUNES SONGS UNDV # 1 - 3:** 3 different volumes containing many assorted song files each that are for use with VideoTunes by FutureVision. Each volume requires the user to boot VideoTunes, then load the song file.

**SOLO-ADVENTURE PACK VOL. # 2 - 3:** 2 different volumes of Solo Adventures for use with Mage Quest by Freedy Software. Each volume requires the user to boot Mage Quest first and contain SmartWRITER documentation.

**DISPER FRONT LINE DEMO:** A Coleco In-House demo of the never completed supergame version of the ColecoVision cartridge Front Line. Program is auto-booting and runs through two very detailed demo screens of the supergame with sound.

**MIAD BACKISSUE INDEX:** SmartWRITER database detailing the contents of past N/AD newsletters through 1987. Requires that the user boot SmartWRITER first and then follow the SmartWRITER instruction manual in order to load the database.

**DUVAS MINI-REVIEWS:** SmartWRITER database with mini-reviews of hundreds of software and hardware products. Requires that the user boot SmartWRITER first and then follow the included instruction sheet on how to access the database's contents.

**ADAM SUPPORT DIRECTORY:** SmartWRITER database, containing names, addresses, etc. of ADAM support firms and user groups by Hector Sanchez, requires the user boot SmartWRITER and then follow the SmartWRITER instruction manual.

**FLASH FACTS: MUSIC STUDIES:** Eighty flashcard files for use with the Electronic Flashcard Maker by Coleco dealing exclusively with music theory. Requires the user boot E.F.M. by Coleco first and contains SmartWRITER documentation.

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

GRAPHICS VOLUMES

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

**REDY ART GALLERY VOL. # 1 - 2:** 2 different volumes of 13 SmartPAINT format picture files to be viewed in SmartBASIC V1.0 with the included leader program or in PowerPAINT and other programs which support the SmartPAINT format.

**AN & B PIX VOL. # 1 - 29:** 29 different volumes of 13 SmartPAINT format picture files to be viewed or edited in PowerPAINT, ShowOff I and other programs which support the SmartPAINT format.

**PAINTMATES VOL. # 1 - 13:** 13 different volumes of clip-art, sprite and font files for use with PowerPAINT, SpritePOWER and CLIPPER by Digital Express, The Print Works or the Label Works by Walters Software Co., and other assorted programs.

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

**IC.G.P. PIX VOL. # 1 - 3:** 3 different volumes of picture files for use with the Coleco Graphics Processor. All pictures are taken from Coleco / ADAM programs and carts through the use of the cartridge version of The Coleco Graphics Processor.

ENTERTAINMENT VOLUMES

**SUPERBUCK 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.

**PINBALL CON. SET / HARD HAT MACK** (Best of Electronic Arts): Coleco supergame pack contains two great games in **one package**. New bug free version w/ 2 demo pinball games and an instruction sheet. **Add \$2.00 for 40 page manual.**

**SUPER SUB-FLOO:** Coleco supergame pack version of the Sub-Flo 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.

**TITROLLS: 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.

**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.

**CABBAGE PATCH KIDS: ADV. IN THE PARK:** Enhanced version of the popular ColecoVision cartridge of the same name, but with better graphics and added obstacles to be avoided by the game(s).

**TEMPLE OF APSHAI Revision 2:** Epyx supergame pack which was never released. This is a role playing adventure w/ graphics and some arcade sequences. DISK and DDP not compatible. Comes with instruction sheet.

**FALL GUY / VIDEO HUSTLER:** Unreleased cartridges on disk or ddp which were developed by Fox Games. Fall Guy is a combo driving simulation and arcade game. Video Hustler is a video pool game. Contains SmartWRITER documentation.

**YOKEES ON YOU / MATH WIZ:** Carts which were developed by Fox Games & Sierra. Play the role of a rooster in helping the chicken collect her eggs and a tremendous math skills arcade builder for ages 4-up. Comes with instruction sheet.

**JA-CHESS (SARGON):** Great graphic chess game which was developed in CP/M and modified by Chris Brayman. Comes on an auto-booting media and includes documentation on how to use.

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

**M.A.S.H. / SUPER COBRA:** Unreleased cartridge game developed by Fox Games. Two arcade sequencers: pick-up the wounded soldiers in the field and then remove a strap in the operating room and a helicopter arcade action game by Parker Brothers in which you must destroy the enemy ground installations. Comes with SmartWRITER documentation.

**MEMORY MANOR / WORD FEUD:** Children's game by Fisher Price tests the memory capacities of your child. Good graphics and sound and unreleased cartridge by Xerox in which you race against an opponent to find words hidden in the game board. Contains SmartWRITER documentation.

**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.

**ARTILLERY DUEL / TOMARK THE BARBARIAN:** Unreleased cartridges by Xerox. Bomb your opponents' gunnery position before the bombs yours. Good graphics and sound and save your girlfriend from the evilman before your strength runs out! Contains SmartWRITER documentation.

**COLLOSSAL CAVE:** Enormous text adventure program which was the fore-runner to the line of Infocom text adventures known as ZORK.

**SUPER DAM BUSTER:** Supergame version of the cartridge with added screens and Hall of Fame. The only flight simulator available for ADAM and one of the best games ever made. Are you good enough to defeat the NAZI forces?

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

UTILITY VOLUMES

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

**DISPER 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.

**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 Diagnostics and an instruction sheet.

**MACADAM:** Z80 / EOS Assembler written in machine code for the intermediate to advanced machine code programmer. Contains a 20 page manual in SmartWRITER format.

**STRATEGIC SOFTWARE PATCHES:** SmartBASIC V1.0 programs for patching Strategic Software's SignShop, NewsMaker, MultiWrite, MicroWORKS, etc. programs for use with dot matrix printers. Some major enhancements are made to the MultiWrite Word Processor. Contains SmartWRITER documentation.

**COLECO GAME COPY:** Coleco In-House cartridge copy copy as well as a media

backup utility roled into one program. Will copy most of the available cartridges.

**SHAPEMAKER:** Great SmartBASIC V1.0 utilities for creating shapes and placing text on the HGR or HGRx screen. Shapes created can be used in PowerPAINT. Contains SmartWRITER documentation.

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

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

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

PRODUCTIVITY VOLUMES

**ADAMLINK II:** Coleco's advanced telecommunications software with all the features of ADAMLINK I and the added ability to up and download ASCII files. Comes with addendum instruction sheets to the ADAMLINK I manual.

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

**PLANET PLANNER:** Coleco of Canada business software which will create a clearer and more complete picture of your tax situation. Contains SmartWRITER documentation.

**DISI-SPRITE V8.0:** Advanced sprite development package with many powerful built-in features. This is the clipboard version of the copyrighted version 6.5 and it made available for demo purposes and a chance to test out before buying V8.5.

**DAVINCI:** Great graphic design utility from France using a point-and-click method of operation along with a SmartBASIC V1.0 utility to convert davinici files into GRAPHPAINTER files. Contains SmartWRITER documentation. DISK ONLY.

**DX-10 CONTROL SOFTWARE:** Home appliance control / security system software featuring a Serial Interface, Serial Cable and the X-10 Hardware. Contains SmartWRITER documentation.

**COLECO GRAPHICS PROCESSOR:** Coleco's graphic design utility used to create graphics for cartridges and supergames. Now, on an EOS media. Instructions are provided on the program as well as a picture file conversion program. Requires 1 memory expander. Cartridge version is available for \$29.95.

**TDVOS V4.5B:** Super enhanced version of CP/M 2.2 which operates much like MSDOS. Adds many new features to make it an easier system to work with. Includes all utilities mentioned in the manual. **Add \$4.00 for 31 page manual.**

**SMARTBASIC V1.0:** Coleco's original SmartBASIC which came with the ADAM. This is available for replacement on DDP/DISK and has been enhanced for disk owners.

**SMARTBASIC V2.0:** Coleco's extended/enhanced version of SmartBASIC V1.0 (48K versus 28K) with memory expander access, but is not fully compatible with V1.0.

**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.

**SMARTBASIC V2.1:** Nice modification of SmartBASIC V2.0 that adds macros to string inputs, formatter and backup programs. Contains SmartWRITER documentation.

**SMARTBASIC V2.0 40 COLUMN:** 40 column text version of SmartBASIC V2.0 which works in STDMEM or EXTMEM modes. No longer do you have to bother with non-standard 31 column screen. Contains SmartWRITER documentation.

**AUSTRALIAN SMARTBASIC:** Enhances SmartBASIC V1.0 with SmartKEY display of some of the most often used SmartBASIC commands (ie. RUN, LIST, SAVE, etc).

**ADAM FORTH V1.1:** ADAM compatible version of this popular programming language. Comes with a number of programs on media and instruction sheet.

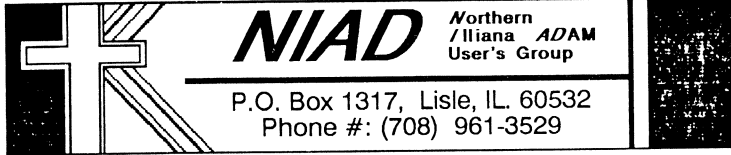
**COLECO PERSONAL CP/M:** Coleco's In-House version which evolved into CP/2.2. Made available for collectors and as an easy way to test the ADAM component Comes with instruction sheet.

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

**DSR-1 CUSTOM PRINTER SOFTWARE:** Specialized software patches for use SmartWRITER. Used to inbed software commands. Available for the following printer: Parasonic 1080, 1091, 1092 or 1093, Star G10 or G20, Epson FX/RX, Blue Chi Olympia B80, Brother 2024, Smith Corona Faxstar 80 and D2000, OKI 182 and 192.

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

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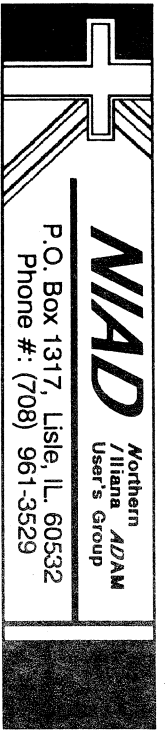
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N.I.A.D. NEWSLETTER FOR —————>

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