

**M.W. RUTH CO.**  
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Supercedes  
all Catalogs  
(Deals)

Dear Computer User,

We are very happy at this time to offer you many new items, and low prices. This is our way of thanking you for making us the largest mail order house selling Adam computer products. M.W.RUTH CO. won't let you down. We will continue to sell supplies and programs for the ADAM. **We have expanded to include the AMIGA, and the ATARI ST SERIES** computers, also the **NINTENDO Entertainment System**. This catalog has been created as an encyclopedia of 3rd party software and supplies. We hope you will use this as a reference guide. If you see programs that are not in this catalog, please inform us. If you move, let us have your change of address, so we can keep you updated with our mailings. If you have developed software, and/or hardware for the ADAM, AMIGA, or ATARI ST SERIES, we will be happy to sell it for you, just contact us.

## EXTENDED SOFTWARE CO.

**EBU (DP/D) \$21.95** The Extended Basic Utilities package contains machine level routines that will load into SmartBASIC & extend its capabilities. While programming in BASIC, you can use the 16 colors in your text (like the SmartWRITER color options); RENUMBER (resequence) your program lines; A slide calculator to do HEX and DECIMAL conversions in basic; much more. Program includes SmartBASIC and is AUTO-LOADING. We feel that this program belongs in the hand of every ADAM owner. This is the perfect replacement for SmartBASIC.  
**CHARTS & GRAPH ASSEMBLER (DP/D) \$24.95** "Auto-proportions inputs" Create pie charts, bar graphics and line graphs. Up to ten inputs. Print bar graph on daisy-wheel printer. Add a graph to a letter or report. You can change from one type to another using same data.

## HOEPER SOFTWARE CO.

**BASIC POWER PACK (DP/D) \$19.95** 8 super programs that took 2 years to develop.  
1. STOCKS - A sophisticated program for tracking stock market investments and timing decisions to buy and sell. It graphs stock prices and moving averages and computes yields. The program includes over 2 years of weekly data for 13 funds representing various sectors of the market.  
2. FOG - This is a clever text analysis program designed to help writers improve their prose. Everybody that writes should use this program.  
3. CHESS - This is a fairly sophisticated chess program.  
4. QUBIC - 3D version of tic-tac-toe.  
5. BALLOON - Design a landscape, land a

balloon. 1 or 2 players compete  
6. PAINT - Paint in HI-RES graphics  
7. DATABASE - A simple database program that can be easily modified to meet the user's needs.  
8. TYPING - Improve speed and accuracy.

## AVIMAR, INC.

**SACRIFICE to the SPIDER QUEEN (DP) \$14.95** The first and only to our knowledge a full length text adventure game that reads like a novel for the Adam. The program occupies 180 blocks of data, so you know it's jam pack with goodies. Every command takes you to a new screen. So much more you will be surprised.

## SUNRISE SOFTWARE

**CAMPAIGN '84 (DP) \$11.95** Combine skill & knowledge with your campaign strategy. Select platform issues, raise funds, avoid bad press. Travel from state to state, increasing your popularity.  
**GUST BUSTER (DP) \$11.95** Navigate through the Amusement Park, by inflating & deflating your balloons. Different attitudes bring changes in wind gusts & direction. Avoid animals, fountains, airplanes, fireworks & other obstacles while you're attempting landings in crowds to sell your color balloons.  
**QUEST FOR QUINTANA ROO (DP) \$11.95** Help Yucatan Sam explore dozens of terror filled chambers that create The Mystical Temple of the Mayan God Quintana Roo". Supplies are limited so use them with caution. Time in the temple is a matter of life or death.  
**ROLLOVERTURE (DP) \$11.95** Scurry madly about the orchestra, directing notes to their proper order. Climb ladders, throw levers, reverse the conveyor belt. Incorrect placements will increase difficulty but correct placement reward you with a classical overture.  
**MOUNTAIN KING (DP) \$11.95** Welcome to the land down under, where eerie melodies provide challenging hints to test your exploration skills. Armed with a flashlight and raw courage you must use all your senses & abilities to locate the flame spirit, enter the tomb, and escape with the crown.  
**NUMBER BUMPER (DP) \$11.95** A rollicking good time for beginning math students and young adults that want to improve their math skills while they are utilizing their arcade reactions. An enjoyable, educational game for the entire family.

## DAHLKE SOFTWARE

**WORK & PLAY (DP/D) \$9.95** 5 neat programs.  
① LOAN CALCULATIONS - Present Value, payment amount, # of payments etc.  
② COMPOUND INTEREST - All types of calculations  
③ PERPETUAL CALENDAR - Display any month of any year from 1583 to 9999  
④ SPACESHIP TARGET GAME - Shoot and intercept a spaceship  
⑤ LAST NUMBER GAME -

This game helps promote math skills.

## ORBITWARE

**STORY MAKER (DP/D) \$14.95** One of the most unique programs that we have seen in a long time. Children will love it. Adults will enjoy it. This program helps children learn about the use of words, their meanings, and how any word from a given set of topics will make perfect sense when allotted into the correct place. The child can input his favorite color, his/her name, and other words he/she is familiar with. Adam will place these words in the plot of the story. The story turns out different everytime you use the program.  
**PRO-GOLF CHAMP (DP/D) \$14.95** This is the most realistic golf we have seen for the Adam. Great graphics (even the golf ball give a shadow in motion), sound, movement, hazards, angles and wind diagrams, clubs - pick and learn about distance, so much more. From beginner to expert will sharpen skills with this program.  
**SNACK-MAN & BOUNCER (DP/D) \$14.95** Two games - auto load - menu driven

## MURDOCK GAMES

**PRO FOOTBALL (DP/D) \$19.95** Strategy, simulation, graphic, all based on last years pro footballs numbers. 1 or 2 players or computer vs computer. This is a must for all diehard football fans.

## MMSG

**BACKUP 3.0 (DP/D) \$17.95** \* Fully supports systems w/wo 64K memory. \* Automatically tests internal and also expansion RAM memory when loaded. \* FORMAT DISKS w/wo verify. \* Image copies of any media. \* More  
**BACKUP+ 3.0 (DP/D) \$32.95** Contains all the features of the above program plus: \* Copy individual blocks \* A block status utility, 1 or all, display or print status \* Contains a full set of file utilities \* format disks & initialize tape & disks while in the program. \* Contains or enhances all capabilities of backup 2.0 \* This is the most complete program of its kind to our knowledge sold today.  
**COPYCART+ (DP/D) \$14.95** A cartridge copy program. Allows 9/disk or 15/DP 16 kilobyte carts to be copied to a single DP or D.

## MARATHON COMPUTER PRESS

**CODEVISOR 4.1 (DP/D) \$21.50** Now add data security to your valuable programs, financial information, personal letters, and proprietary information. With your passwords installed on the program medium you can restrict the use of your system operating under Basic. CODESCRIBE program is also included plus much more.  
**COPYWRITER 1.0 (DP/D) \$15.75** 20K buffer copy utility program. You can backup an entire volume or you may select the blocks to copy. Also included is DRIVEWRITER. No longer are you restricted to a Tape Drive #1 Auto-Load restriction.  
**THE INVESTMENT ANALYST (DP/D) \$17.50** This



menu driven collection of 6 programs will aid the amateur investor as well as the active trader stay on top of the volatile stock market. It is supplied with an extensive professionally prepared manual. **THE SPANISH VOCABULARIAN (DP/D) \$18.50** This program contains English words, Spanish translations, and word types (nouns, verbs, etc.). In addition there is a subroutine that allows the user to write their own files, tests, etc. A must for those between the ages of 10 to adult that wish to increase their knowledge of Spanish.

**MEGAUTIL (DP/D) \$32.95** The most comprehensive programming utility to ever be assembled in one package for the Adam. \* The byte writer programming utility \* Basic merge programming utility \* Copywriter 1.0 & Drivewriter 1.0 \* Runlock security program & Supercat utility \* Several PD seed modules to aid in the construction of your own programs, and so much more.

## ADAM'S APPLE

**WAR GAMES SMARTDAILER (DP/D) \$19.95** This software piece will allow the Adam automatically by itself dial phone numbers around the world checking to see and record if there are any Bulletin Services that you can latch on to. This works exactly as in the program from the movie WAR GAMES. It informs you if it has found any numbers to any Service by saving them or printing them out. Requirements: Modem, Smartbasic, and disk or data drive. This program is a HACKERS' delight.

## D.L.DECKER ENTERPRISES

**ENGLISH GRAMMAR BUILDER I (DP/D) \$19.95** This software is designed as an aid or supplement to the material taught in most junior/senior high school English Grammar courses. The software has been designed to review the PARTS of SPEECH for the verbal sections of such exams as the Scholastic Aptitudes Test (SAT), CA Achievement Exams, and other exams which measure grammatical ability.

**ENGLISH GRAMMAR BUILDER II (DP/D) \$19.95** Same as above, but designed to review the various GRAMMATICAL PHRASES.

**ELEMENTARY GRAMMAR BUILDER I (DP/D) \$19.95** This is a leading edge in learning basic elements of English grammar. The major components are discussed in easily comprehensible terms, so the students can easily grasp the concepts. Topics discussed include subjects, predicates, nouns, verbs, pronouns, adjectives, adverbs, articles, conjunctions, etc.

**VOCABULARY BUILDER I (DP/D) \$19.95** This software is designed to build vocabulary. The program will review a variety of words commonly defined incorrectly. These words range from "easy" to "moderate" the difficulty. Several of these words have appeared on the SAT's, as well as various Achievement Tests, have been answered incorrectly on several occasions. The purpose of this software is to make the user

knowledgeable about many of these words, and to teach words he/she has not before encountered. First in the series. **DIFFICULTY LEVEL** will INCREASE throughout the VOCABULARY BUILDER software series. **VOCABULARY BUILDER II (DP/D) \$19.95** See above difficulty level increased.

**SPELLING TUTOR I (DP/D) \$19.95** This is designed to improve the spelling grades of Jr./senior high school students.

**MATH BUILDER I (DP/D) \$19.95** Designed to help elementary & Jr. high students improve basic math skills. Contains 894 basic math problems. Ranging from simple addition to division of decimals. This software was designed for the youngster who must face math sections of such exams as the C.A.T (CA Achievement Test, primary math achievement exams & basic text book exams

**MATH BUILDER II (DP/D) \$19.95** This software continues where Math Builder I left off. There are hundreds of basic math problems which have appeared on math exams from grades 4 through 7. Problem types include fractions and decimals in addition, subtraction, multiplication, and division settings. An excellent title designed to strengthen the math skills of young and old alike.

**ALGEBRA I (DP/D) \$19.95** This is an aid/supplement to material taught in most high school Algebra I courses. Program has also been designed to be used as a review of basic Algebraic concepts for the mathematics section contained on the SAT.

**ALGEBRA II (DP/D) \$19.95** This software is the continuation of Algebra I. This title investigates the multiplication of SPECIAL PRODUCTS when dealing with polynomial multiplication (as dealt with by all high school Algebra I courses).

**SAT ALGEBRA BOOSTER (DP/D) \$19.95** This tutor program will spot many areas that are on the SAT's, where the above Algebra I & II will go deeper in depth with basics.

**AMERICAN HISTORY I (DP) \$19.95** This software develops through a series. Therefore, it is not limited to 1 DP or Disk of American History, each DP/D is independent of each other. This allows for a more in-depth look at our great nation's heritage. The series starts with the 1500's & will conclude upon reaching 1985.

**AMERICAN HISTORY II (DP) \$19.95** See the explanation above.

**DOCUMENTS of AMERICAN HISTORY (DP/D) \$15.95** This is designed to aid in the process of memorizing historical documents such as the Declaration of Independence, Gettysburg Address & more. **MULCAPPRES (DP/D) \$24.95** Designed to help elementary & junior high students memorize states & capitals of the US. The states & capitals of the world. The Presidents of the US (in order, party & term years). Multiplication tables from 1 to 12.

**ADAMCALC WORKSHOP FILES (DP/D) \$15.95** You must have Adamcalc to use this program. This software was designed to

let you, the Adam owner, get more acquainted with the excellent features of the Adamcalc spreadsheet program. This program contains over 12 model spreadsheets, using different features that you can adjust for your own applications.

**PINBALL CONSTRUCTION AID I (DP/D) \$15.95** This series is designed to let you get more acquainted with the excellent features of the Pinball Construction Set, produced for Coleco by Electronic Arts. The public domain version is included with the models. **PINBALL CONSTRUCTION AID II (DP/D) \$15.95** Same as above, but added with more special game pieces, designed with icon paint command.

**THE GOSPEL ACCORDING TO ST. MARK (DP/D) \$19.95** This program is an excellent tool for the Sunday School teacher, Bible Study Leader, Minister, or students.

**RECIPE FILES I (DP/D) \$17.95** Mom's best secrets are now revealed. You will be delighted. Desserts, beverages, vegetables, and others.

Note: Shipping date will be approximately 12/1/86 for the programs mark with ☒

## LAS VEGAS ADAM CLUB

**ARCHIVES I (DP/D) \$20.00** 10 Unique basic programs:

SNAKE EYES - Graphic dice game  
MATCH'EM - Concentration type game  
LETTER MATCH - Mastermind with 3 levels  
MORSE CODE - Learn morse code  
CATALOG P/O - Create catalogs  
COLOR POKES - Teach use of color with text  
CARD TRICK - Cards are graphically displayed in text  
I.Q. TEST - Measure your I.Q. accurately  
TRIVIA GAME - comes w/50 TV questions.  
TRIVIA MAKER - Create your own questions for use on TRIVIA GAME

## WITTENBACH SOFTWARE

**TEACHERS ELECTRONIC GRADEBOOK (DP/D) \$19.95** The program provides record keeping for up to 15 grades each for 40 students in 8 separate subject/period categories. While written for use by elementary teachers, it should also be useful to junior or senior high school teachers.

## JP SOFTWARE

Learn your Bible, and enjoy while doing it. Q & A and help. Each program is different.

**BIBLE FUN (DP/D) \$12.95**

**BIBLE FUN II (DP/D) \$12.95**

## E & T SOFTWARE

**SOFTPACK I (DP/D) \$18.95** 4 home management programs, menu driven. 3 programs are for checkbook management reconciliation & totaling. 4th program creates address files for printing labels & envelopes. Print by first/last name, ZIP code, etc. **BUSINESS PACK I (DP/D) \$18.95** 3 program package designed for small business. 2 programs for creating & printing address files. 3rd is an inventory control



program.

## CHRIS HICKMAN SOFTWARE

### FORTUNE FINDER FROM THE FUTURE (DP) \$14.95

A great text adventure with graphics. Different - This one you will not want to miss.

## CAROLINA GAMES

### GAMES FOR THINKERS (DP/D) \$19.95

Strategy; the counter-strategy; mixed strategies; the pattern recognition; spatial visualization; mathematical logic: 1GOTCHA - Capture game based on thinking \*\* not reflexes. Highest scores require analyzing the Adam's tactics.

2MINMAX - Strategy/counter strategy game. You will swear Adam is reading your mind.

3PATTERNS - Pattern recognition against a random color background. 4AMAZING - Maze from a mouse's point of view. 5NIM - The classic mathematical game of NIM in several variations. 2 players or play against Adam.

### MORE GAMES FOR THINKERS (DP/D) \$19.95

1HYPOTHESIS - The scientific method data collection, theory formulation, experimentation, publication - when do you know enough to declare your theory? 2PITFALL - Keep the lions away by digging pitfalls - strategy, not speed, is the key to survival. 3HNEFATAFL (KING'S TABLE) - Board game of the Vikings - Totally different from chess, but just as challenging. 4INTERACT - Mathematical reasoning - interpolation, extrapolation - critical decision: when have you done well enough to stop.

## IMAGE MICROCORP

**DIABLO (DP/D) \$19.95** Diablo, which derives its name from a European game of a half century ago known as Diablotin, consists of 232 sections of track. Two tracks on each of 116 movable panels. Excellent graphics and sound support. Machine language and auto-load. This is the fastest moving program we sell.

**BLACK GOLD (DP/D) \$19.95** A board style game for 1 to 4 players. The computer simulates oil deposit hidden beneath surface of the earth. Choose a location on map, geological survey printed. Probability, drilling cost, taxes etc.

**THE STOCK MARKET GAME (DP/D) \$19.95** A board style game for 1 to 4 players. This program is a model of the stock market. You can buy and sell shares. 4 graphic displays (DOW-JONES, STOCK CHARTS, PORTFOLIO & BIG BOARD). Great game if you know how the stock market works. Great educational game and tool to learn about the market.

**LEARNING MORSE CODE & PROGRAMMABLE MORSE CODE PRACTICE (DP/D) \$19.95** These two programs teach the user the correct sound of each character in easy steps. The 2nd is a powerful learning aid. Varies speed and sound. Frequency is 600 to 1000 Hertz.

**DISASSEMBLER (DP/D) \$24.95** Computers

only understand, on the most basic level. We represent these as 1's and 0's. Machine Code is a listing of these numbers expressed in hexadecimal. This program will convert Machine Code stored in memory into something readable. To use, you should have some programming knowledge.

**GEOMETRY I (DP/D) \$19.95** This program has a tutoring section. After the tutoring then go to the drill section. **PYTHAGOREAN GEOMETRY II (DP/D) \$19.95** This program has a tutoring section. After the tutoring then go to the drill section. **QUADRILATERALS**

## PARALLEL SYSTEMS, INC.

**HOME BUDGET PLANNING (DP) \$7.95** Use up to 50 expense categories. Store on a separate tape. Modify budget at any time. Print permanent record. Generate budgets weekly, bimonthly or monthly basis.

**HOME FILES MANAGER (DP) \$7.95** Generate mailing lists, business or household inventory or design your own categories. Store records on tape. Print mailing labels or listing of your files.

**PERSONAL CHECKBOOK (DP) \$7.95** Keep track of all checks, deposits and withdrawals. Balance your checkbook electronically. Now print monthly your summaries. Store summaries on tape to allow future updates.

**STATES & CAPITALS GAME (DP) \$7.95** See the flag. Choose from two separate games. 1: Computer gives state - you guess capital. 2: The computer gives capital - you guess state. Study mode for beginners. Clues if you need them. Try for highest score. Print list of the states & their capitals.

**WORLD CAPITALS GAME (DP) \$7.95** Colorful graphics. Clues available. Study mode for beginners. Print a list of 50 countries & their capitals 2 separate games. Computerized scoring

**GREAT INVENTIONS GAME (DP) \$7.95** Learn about the worlds greatest inventors. Choose from sequential or random play. Match wits against the computer for highest score. Great for the whole family. An educational experience.

**PARTY TRIVIA GAME (DP) \$7.95** Six Categories: \*TV \*Hollywood \*50's \*60's \*Baseball \*Football Great for parties or just plain fun.

## A-WARE EDUCATION

**AMERICA AT WAR (DP) \$10.95** This multiple quiz game format provides an educational understanding of six significant wars involving the USA - menu selections:

1Revolutionary War 2Civil War 3W.W I 4W.W. II 5Korean War 6Vietnam War

**THE SOLAR SYSTEM (DP) \$10.95** Learn fascinating facts & statistics about the solar system. Various menu game selections include: 1The Sun 2The Stars 3The Moon 4Planets/Asteroids 5Comets/Meteors 6Planet Printout

**WORLD GEOGRAPHY (DP) \$10.95** An exciting insight into our world is provided by this game. Try for a high score as you learn

about: 1Oceans/Seas 2Continents 3Islands/Peninsulas 4Mountains/Valleys/Deserts 5Rivers/Lakes 6Weather/Climates

## FUTUREVISION

**VIDEO TUNES (DP) \$28.95** You can compose, play, and save music. Program comes with 11 demo songs. Notes light up. Music scrolls. **AUTO AID (DP) \$24.95** - Enhancement to SmartBASIC. Auto line numbering, Function key definition, lets any key be equal to any string of characters. Ability to turn off/on keyclicking, Caps lock feature. Built in print buffer. Callable assembly language routines, etc.

## ASGARD INDUSTRIES

**MICROMONITOR (DP/D) \$14.95** This program is a Hacker's delight. A hacker can probe and put in shape tables without a hassle. You can relocate blocks of memory to or from tape or disk. No real computer programmer should be without this program.

## BEST SOFTWARE

**MULTI-CART BACKUP (DP/D) \$19.95** Written in assembly language, menu driven. Loads in 2 seconds, disk or DP. Holds 5 cartridges to disks, 8 to DP. Requires backup program. Example: Pack Copy, Hackers Guide to Adam.

## VICTORY SOFTWARE

**ADVENTURE PACK I (DP/D) \$14.95** 3 text programs 1. Moon Base Alpha-Destroy meteor that's racing toward the moon or die. 2.Jack & the Beanstalk - Defeat the giant in your quest for golden hen. 3. Computer Adv. Re-live getting your first computer.

**ADVENTURE PACK II (DP/D) \$14.95** 3 text programs 1African Adventure - Sole survivor of plane crash, find your way home. 2Hospital Adventure - You're a spy whose mission is to complete the bungled assassination attempt on dictator, who is under guard. 3Bomb Threat - Get back to town to warn police of a planted bomb.

**BOUNTY HUNTER (DP/D) \$14.95** This is a full length text adventure. You play the role of Bounty Hunter, battling against ruthless outlaws, hostile indians, wild animals etc. You will do this with your wits and six gun. This program is a real treat.

**TREK (DP/D) \$14.95** Objective: Seek out and destroy the Klingon invasion before time runs out. This classic game has fascinated computerists for over a decade. You are the Commander.

**SAVINGS & LOANS (DP/D) \$14.95** This program will calculate interest, principal, monthly payments or term of loan based on the values you enter. It will also calculate the final value of either a single investment or periodic deposits into annuity fund, savings account, IRA etc

**STRATEGY PACK I (DP/D) \$14.95** 4 programs 1Payoff - 1 to 4 can play this game. Choose your territories carefully; do you move now



or gamble. **[2]HI-IQ** - This is the old European game of solitaire. It is played on a cross-shaped pegboard. **[3]Jump** - Similar to HI-IQ, except that the pegboard is square. **[4]Othello** - Flank your opponents pieces and flip his disks! Play against another person or the computer.

**GAMES PACK I (DP/D) \$14.95** 3 programs

**[1]Gotcha!** Sneak around a battlefield of mines and Kamikazi computer controlled robot guards. Lure the guards into self-annihilation by hiding behind the mines.

**[2]Street Sweepers** - Gobble up all the dots in the maze before the ensuing nemesis gets you. The maze is different every time.

**[3]Cannoneers** - Lob shoots at your opponent from your bunker over rugged & always different mountainous terrain. Watch as your projectile flies through the air. Did you choose the right angle?

## TAPEWARE TECHNOLOGY

**THE RIB (DP/D) \$24.95** 2 DP package, with 14 programs and 5 tutorials. Aimed at helping get more enjoyment and results from Adam. Interactive tutorials on basic & word processing. Powerful utility program, automatic line renumbering of basic, programs with GOSUB's and GOTO's resolved! Ability to merge basic programs. Print or display JUMBO characters. Use special purpose & SmartKEYS in basic. And much more. It can be the end of many problems that you have encountered.

## NICKELODEON

**GRAPHICS II (GRAPHICS EXPERIMENTER II) (DP) \$39.00** Includes elaborate SINE-COSINE "3-D" ART. Totally Unique ARTMOTION GRAPHICS with hundreds of variations of computer generated graphics. RABBIT GRAPHICS sine-cosine automatic drawings of planets, impossible figures, etc., ARTISTS PAD use the paddle as a drawing tool with color change and special figures controlled by the pad., ARTISTS KEYBOARD Lets you combine figures from ARTMOTION and RABBIT GRAPHICS on screen with its own special draw keys. SAVE up to 800 keystrokes. DEFINEABLE DRAW MACRO KEY

**HI-RES TEXT EDITOR (DP) \$29.00** Lets you use text on the hi-res screen. Includes its own limited graphics including multiple boxes to put text inside, and multicolored symbols. Add to your own programs (some basic skill needed to addr). Create multiple screens with any format.

**SHAPEMASTER (DP) \$29.00** Teaches even beginners the basics of animating, positioning, paddle control, and creating your own spaceships, rockets, and little critters. Includes 22 page manual and eight short listable, printoutable programs as demonstrators (includes Gallery, SkyWriter, Cartoon, Fighter, Crusade, ShapeDemo, ShapeEdit, and Paddle programs to help you make, edit, and move shapes).

**TYPE TEST II (DP) \$25.00** Helps you learn the basics of touch typing or more advanced speed and skill tests. Includes multiple

levels of six modules including Most Commonly Misspelled Words. Most Common Words. Most Difficult Words. Add your own words and sentences to the program.

**THE BUSINESS GRAPHS PACKAGE (DP) \$29.00** Plots 24 variables, in six multicolor styles, titles, "3-D" style, print dump to ADAM'S printer using symbols. NEW! **STATISTICS PACKAGE:** Automatically calculates sum, averages, standard deviation, variance, projected estimate of future values, projected average. Printout of all statistics

**B-DESK (DP) \$20.00** Keep a client file including names and addresses, phone, sales, business, date, comments. FULL SAVE, RECOVER, SEARCH, CHANGE, features. Alphabetize. Up to 10 fields per record, 120 characters per field, up to 140 records per save. Up to 3,300 records can fit on a datapack. **LABEL MAKER LETS YOU DUMP THE NAMES AND ADDRESSES TO MAILING LABELS,** or make your own return address labels on ADAM'S Printer.

**M-DESK (DP) \$20.00** Calculate, file, budget: M-DESK has six quick modules (including, Appointment notepad, budget, credit cards, checking) available at the press of a button. Automatically computes sums, averages, balance, percents of any field at the press of a button.

**F-DESK (DP) \$20.00** Free Form, Idea Organizer. Lets you create your own format and data base, saves any organization you use for future recall. Calculates too! Type in data, up to a page and a half per record, search for any beginning keywords to bring together the ideas you have.

**SUPER SPECIAL:** ALL THREE OF THE ABOVE PROGRAMS ON ONE DATAPACK, including 24 page manual, for only \$39.95

**ADAM TIPS & TRICKS (DP) \$13.00** A collection of 19 programs, information on troubleshooting your ADAM, peeks & pokes, special tips and tricks for programming in Basic, more!

**CASHFLOW BOOKKEEPING RECORD (DP) \$19.95** Keeps a simplified account of every purchase made using a check accounting method. At the same time it allows you to record every item sold, interest earned, stock profits, and gives you a profit and loss statement. On screen projection of 40 categories of expenses allow you to select by number the account you want to add the expense to. The account name and the amount are automatically posted BOTH TO THE INDIVIDUAL FILE RECORD AND TO THE MONTHLY AND YEARLY ACCOUNTS. Comparisons. Search, change (automatically recalculates), printout of individual records or entire file. Printout of Profit and Loss Statement including income, expenses, net profit or loss.

**INVENTORY/INVOICE RECORD (DP) \$19.95** Keeps a running account of the items you purchase, for resale or for your home. You type in the cost and resale value and it automatically computes the sales tax of each item, total cost, projected sales profit, total inventory value (net worth), projected net profit. Keeps a permanent record of your inventory, cost,

and value in the event of insurance loss as well as for inventory. MORE!

**FINANCIAL DATA CALCULATIONS (DP) \$19.95** This series of programs helps you compute the data for many different purposes: **BREAK-EVEN ANALYSIS:** Whether you are purchasing items for resale or purchasing homes this is an invaluable tool. You type in the cost of the item, probable sales price, advertising costs, and marketing costs. The program automatically calculates the breakeven point, showing you make a profit. MORE!! Planning inventory and projecting sales. This program is great. **CASHFLOW HOME/OFFICE BOOKKEEPING PACKAGE - NOW A CASHFLOW FINANCIAL PACKAGE TO HELP YOU MANAGE YOUR ENTIRE HOME OR OFFICE FINANCIAL NEEDS - ALL THREE OF THE ABOVE PROGRAMS ON ONE DATAPACK only \$39.98**

## CHALLENGE WARE

**PACKAGE #1 - BASIC \$19.95 (DP/D)** **[1]DATA KEEPER** - A versatile database. Maillist etc. **[2]ADAM BANNER** - Create banners and signs, Save them. **[3]RESUME**-Instant personalized resume

**PACKAGE #2 - BASIC \$19.95 (DP/D)** **[1]CASTLE OF DOOM** Medieval text adv. **[2]DRAGON'S CAVERN** - Fantasy graphics game **[3]DUNGEON ADVENTURE** - Adv.

**PACKAGE #3 - LOGO NEEDED \$19.95 (DP)** **[1]KEYMAN**-Game for kids 6-12 **[2]APPIAN WAY** - A chariot game. **[3]DUEL** **[4]WAITER!** **[5]LOUISIANA JONES** **[6]SPACE RESCUE & MINI GAME MAKER** **PLOT & PRINT - (DP/D) \$11.95** Allows you to generate a picture in low resolution graphics which then can be printed out on Adam's letter quality printer. You also have the capability to SAVE and LOAD the picture for later use.

## ORPHANWARE

**QUICKCOPY (DP/D) \$17.00** Versatile copy utility. Uses memory expansion for 104K copy buffer.

**JANE'S RECIPES (DP/D) \$12.95ea.** - 4 great volumes (1 volume per DP or D) of old and new home style foods from Jane's kitchen. Coleco's Recipe Filer needed to run this.

**[1]Volume I** - Desserts **[2]Volume II** - Salads **[3]Volume III** - Outdoor Cooking **[4]Volume IV** - Holiday Specialties

## STRATEGIC SOFTWARE

**TurboLOAD (DP) \$25.95** With TurboLOAD, your program will load times faster!

**PaintMASTER (DP) \$20.95** Load & save your creation to either DP or D.

**FastFILER (DP) \$20.95** Data base program. **DataCALC (DP) \$20.95** Spreadsheet.

**POWERPRINT (DP) \$20.95** Print/enhancement

**MultiWRITE (DP) \$34.95** Word processor that provides a 64 column display screen.

**SignSHOP (DP) \$20.95** Custom design & print signs, etc.

**THE GRANT SOFTWARE CO.**



**PICTURE AID (DP) \$9.95** This program contains various pictures to be integrated with your cards, signs, and banners, produced from SignSHOP. SignSHOP program required.

## HANANIA ENTERPRISES, LTD

**STELLAR 5 (DP/D) \$36D/\$39DP** Astronomy - Quickly get coordinates for any celestial object, any date. This is the most complete program of its kind for astronomy. Planets, Halley's Comet, Constellations, Star Chart, Measure distance, Celestial objects (km, mi, lt yrs.). etc.

## STEVE JACOBY CO.

**HOME FINANCE (DP) \$12.95** 5 programs all related. 2 account checkbook, data summaries, labels, envelopes & more.

**EDUCATION (DP) \$12.95** 7 programs each separate. Study, Mastermind, Tables, Idaho Squares (great way to teach math logic), Kidquiz, +, Minus. An excellent teaching program, well rounded.

**GAMES (DP) \$12.95** 2 programs. Checkers and Idaho Squares-A good way to teach math logic & have a good time doing it.

**UTILITIES (DP) \$12.95** 4 programs, great help for Adam users.

**RECIPE (DP) \$12.95** Create, save, recall, change, print.

**SECRETS (DP) \$19.95** Many Smartbasic programming routines that we have not seen covered in any book or users group publications. This program is a must for the "Adamophile".

**MINIMERGE (DP) \$19.95** A powerful business or home program tool which enables you to first create a mailing list and then write the same individually typed, and signed documents to each person on the list. Writing documents such as letters, invitations, billings, and resumes are just a few examples.

**CHAINLINK (DP) \$19.95** A brand new home finance/business finance program that chains all of the functions of writing checks. Printing check registers, handling 40 accounts, merging and analyzing expense data by each of the 40 categories. Printing address labels, printing envelopes PLUS increased active memory capability.

**SMALL BUSINESS** series below for the Adam. These programs work great with Adam and are even more powerful with the 64K expander.

**SUPER ONE (DP) \$19.95** Home/Business Finance-An accounting system.

**RECEIVE (DP) \$19.95** Accounts Receivable - Tracks accounts, types invoices, envelopes etc.

**PAY (DP) \$19.95** Accounts Payable - Tracks accounts, types checks and envelopes, etc.

**PAYROLL (DP) \$19.95** Complete Payroll System - Does checks, subs, envelopes, tracks etc.

**MAILFONE (DP) \$19.95** Mailing/Telephone System - Supports mail or fone solicit business

The 5 above are "stand alone" powerful programs that come with a tutorial. All 5 business programs in one package \$79.00.

## MICRO 2

**YOU AND YOUR CHECKBOOK (DP) \$17.95** A hassle free balancing of your monthly statement. Includes all kinds of withdrawal and deposit categories. Sophisticated yet user-friendly. Produces printout for your records.

**MICRO MONEY MINDER (DP) \$17.95** Ideal for listing expenses, etc. Know where all your money goes with this easy to use monthly program.

**INSURANCE FILE (DP) \$17.95** Can't find your policy? What is the premium amount? All information on all types of policies at your fingertips. Easy to update.

**HOME/OFFICE INVENTORY (DP) \$17.95** Complete inventory record for easy review and safe storage of serial numbers, warranty information, purchase dates, prices & much more. Easy to add & update

**CREDIT CARD FILE (DP) \$17.95** Safety record for all credit card information. Instant recall of any card. Categorized for easy reference.

**PROPERTY MANAGEMENT (DP) \$17.95** At last, a program designed for the busy property manager. Complete tenant & rental info.

**MICRO MATH (DP) \$17.95** Ideal for grades 2-5. Graduated level of addition & multiplication skills. Colorful animated graphic rewards.

**READING FUN (DP) \$17.95** Grades 2-5. Make phonics fun with a program designed to teach vowels and rhyming words.

**ADDRESS FILE (DP) \$17.95** Ideal for clubs, business or home use. Address and phone information. Easy to update. Number of entries limited only to size of DP or Disk.

**CASH FLOW ANALYSIS (DP) \$17.95** Your net profit is not the only measure of available cash. With this program, you see the true picture of business cash flow.

**INVESTMENT ANALYSIS (DP) \$17.95** An ideal record for your investments. Complete questions concerning a variety of investments. Categorized for easy reference.

**STOCK PROFILE (DP) \$17.95** Ideal method for charting profit or loss in stocks. Easy to update as your portfolio changes. Categorized for easy reference.

**MAKE CHANGE (DP) \$17.95** This is the most unique educational program dealing with money. 3 separate programs are included. This is a teaching tool and practice makes perfect. It will deal with buying and counting your change, which includes dealing with coins and bills. This program is great for young children and anybody that needs help.

**HOLIDAY SPELLING (DP) \$17.95** Four different groups of words in different times and seasons of the year. A good teaching tool for learning about holidays and spelling.

## SAGE ENTERPRISES

**PACKCOPY (DP) \$29.95** PACKCOPY will make backup copies of most Adam software. You can copy software with 1 or 2 data drives,

dual disk drives, or between a data drive, and a disk drive. Now make backup copies of SmartBASIC, SmartFile, ADAMCalc, etc.

**CONVERT (DP/D) \$26.95** Transfers data and programs between Adam CP/M and the following (SS,DD) CP/M formats: Zenith 100 CP/M 85, TRS-80 model IV CP/M+, IBM pc CP/M-86. Requires: Adam, 1 digital drive, 1 disk drive, CP/M 2.2 and SmartBASIC.

**UNREAL UTILITIES (DP/D) \$36.95** This menu driven set of utilities will allow you to read and edit directory information for SmartWriter and SmartBasic files, delete and remove entries that will free up wasted directory space, fix corrupted directories, change file names, **RECOVER files** and programs from a disk or data pack even if it has been INITed in SmartBasic, and much more.

## PDS

These disks or data packs contain many different kinds of programs. There are useful utilities, development tools, editors, tutorials, languages, games, and other "odds and ends". A small minority do not work correctly & you are encouraged to fix and submit them back to us. These DP or D are guaranteed to be packed with programs. Our object is to help all people obtain these disks or data packs so that they can make full use of their computer, without the burden of high costs. To help defray our costs the price of each disk or data pack is only \$12.95.

NOTE: To our knowledge all programs are public domain, if found otherwise they will be discontinued.

A little about the help files on the various disks: SmartWriter HELP files have an "H" designation. CP/M help files have a ".DOC" or ".TXT" extension. These can be read by using the "type" command. You can print them out by hitting the Control key +the P key (this toggles the printer on and off in CP/M). Following is an example: A.> type filename.ext <return> On BASIC disks any file with an "H" designation can be read in SmartWriter. These are usually "README" files.

**ADAM PUBLIC DOMAIN SOFTWARE-\$12.95 ea.**  
Data Pack or Disk - Disk will be sent unless requested in Data Pack.

**Disk #1** - CP/M: MBOOT3 - Simple binary file upl/dl, Filter - from ADAM CP/M manual (Chtpt 4), FICOPY - file disk copier modifier written in CP/M, can edit anything on a disk

**Disk #2** - CP/M: Cart Utility, ROMHEX - Dump carts contents in hex/ascii format, Cartcopy - copy carts to a disk. Creates.com file. Carts can be run and moved easily., RSTDSK -Tired of typing CTRL-C? Use rstdisk! This disk also has the SOURCE CODE to the cart copier for easy modification.

**Disk #3** - BASIC: BALOON - great sprite game, MOD - use w/Packcopy to edit DDP/Disks, 3D Tictactoe, Dueling Cannons - hires game,



HELLO -access any disk easily, Brickout - Different than Bonanza version, Lunar Lander - classic text game, LANDER - shape table graphics, STAR TREK - joystick controlled text adventure, LIFE -graphic population study, BLACKJACK -text, HANOI - graphic game, Paint -has save feature, Eliminator - Hi-res graphic shoot-em'-up, Many other files....

**Disk #4** - CP/M: Master Catalog System - Entire cataloging system for your disks...Access any file from your CP/M disks easily

**Disk #5** - BASIC: BACKUP.TAPE - can be modified to backup disks, CARTCOPY - (Not as good as Multicart, but it does work!), TAPEDITOR -Create versions of any sftwre, YAHTZEE, CPMFILTER - to "clean" files from CP/M to BASIC, CROSSFIRE - graphic game, GET EM' -graphic game SMARTDRAW! - w/save feature, COLORTST - test screen colors of monitor Many other files...

**Disk #6** - CP/M: LU.COM - Library Utility, SQ.COM - "squeeze" all files 40% with this utility, USQ.COM - "unsqueeze" files that have been squeezed, DUU.COM - Ward Christiansen's famous CP/M disk utility, LOGALL.COM/.DOC, BUGS.COM, MEMMAP.COM, SORT.COM

**Disk #7** - CP/M: Z80 Programmer - Specialized, use w/#8

**Disk #8** - CP/M: SCRNCHOP.COM, Z80 Programmers II, Specialized use w/#7

**Disk #9** - CP/M: EBASIC.COM - A basic for CP/M...One of the first! Compiled NOT interpretive, EBASIC.DOC - Documentation for EBASIC, ERUN.COM - The COMPLIER for EBASIC, NSWP.COM/.DOC, EDIT.COM/.DOC - Better than Adam's ED.COM!

**Disk #10** - Telecommunications Package: MADAM7 - (Use ADAM Modem...Has auto dial/ans feature..Better than ADAMLINK II!), MEX (Modem Executive) - Also self-dialing Programmable keys function, Phone book, SCNCRNCH.COM-yet another screen chop Docs for all

**Disk #11** - Z8OMAC.LBR - (Need LU.COM to extract files) Fully featured assembler, w/docs A must for serious programming, SOURCE.LBR - Use w/Z8OMAC to ;create Z80 code or changae 8080 code to Z80. Can create .ASM files from .COM files! - Includes all docs...also usq.com, lu.com

**Disk #12** - CP/M:CP/M ADVENTURE-Classic comes to ADAM includes scr. chop

**Disk #13** - BASIC: Personal Finance Planner, CHRUNCHER - similar to Turboload, compresses BASIC programs to run 10 times faster!, COLORCALC DISKINIT, CISPIC-read hires pictures done by other computers \*includes some examples, HIRESEASEL, MOVEFILES, UTILITYMOD, HI - Q

**Disk #14** - BASIC: EVILTEXT, BATTLESHIP, JOINFOUR, CHECKERS, SERPENT, MATHBLS, MENUPRG, SPACE, SCHEDULE, MAYANQUILT All above include doc files

**Disk #15** - BASIC: (from NIAD's Exchange..This is a fantastic disk...probably best ADAM PD BASIC disk ever!!!), BACKGROUND, BLOCKS, CRAYONS CANON3 - music, KBEXAMPLE, NOISEMAKER, FDUMP - Fantastic!, BICOLLR - Background/text color changes, INSTANT, FATFONT -makes

ADAM look like PC JR in 40 col mode, SPRITEDIT, CONVERT, ICECREAM, FDUMP2 USAMAP..AND much more!

**Disk #16** - BASIC: ROCK w/DOC, HOCKEY w/DOC, GAMESBUS, MASTERMIND, STRONGHOLD w/DOC, MINEFIELD w/DOC, TEXTROCKET, METRIC CONVERTER -converts common metric measurements to USA measures and vice versa

**Disk #17** - CP/M: MUMPS - a database file system for ADAM VERY complete you need #18 too.

**Disk #18** - CP/M: MUMPS II - use with disk #7 VERY complete!

**Disk #19** - CP/M: SPLIT.COM - Break large data file into small ones, IYOMAP.COM, BASEBALL.COM, SECURE.COM, /.COM - link commands, HALLEY-follow the comet, INVENTY.COM, Documentation included

**Disk #20** - CP/M: DU-V89 - a more recent version of DUU, TYPTRYT.LBR - a CP/M typing tutor, MLOAD24, XCCP.LBR, XCCPUTIL.LBR, MARKET.COM, XRAM -test your RAM disk memory

**Disk #21** - CP/M: SMALL-"C"-a 'C' compiler for the ADAM!, UNIXTOOL.LBR

**Disk #22** - DDTF.COM, .DOC, .LBR, FIND.LBR, HOLD.COM, .DOC, KILL.COM, SUPERZAP.LBR, ENCRYPT.LBR, TRIVIA.LBR - Play trivial pursuit

**Disk #23** - CP/M: BISHOW.ASM, .COM, LDIRR.LBR, QK21.PRM, YANCTERM.PRM, CERTIFY.LBR, PROBE.LBR, Z80 CHESS, (sue LU.COM or NULU.COM to extract the files)

**Disk #24** - CP/M: COBOL for the ADAM! Includes ALL one would need to program COBOL on ADAM 1 Full disk!

**Disk #25** - CP/M: ORGCHOP.COM, FINDBAD.COM, CONT.COM, PRINT.COM, MAKBATCH.COM, DISPLAY.COM, SLOAD.COM, CATPAGE.COM, CATLBR.LBR, MCAT -41.LBR

**Disk #26** - CP/M: FORTH for the ADAM!! 1 Full disk with documentation \* everything one needs to program FORTH on the ADAM!!

**Disk #27** - LOGO: A full disk of logo utilities and games

**Disk #28** - CP/M: A full featured BBS program - RBBS (Remote Bulletin Board System) Squeezed 159K!!!

**Disk #29** - Coleco-Never released.....- Jeopardy

**Disk #30** - Coleco-Never released.....- Troll's Tale

**Disk #31** - Coleco-Never released....Best of Electronic Arts \*Hard Hat Mack \* Pinball Construction Set

**Disk #32** - Coleco-Never released...Super Sub Roc-90K!! Much better than cart. version!!

**Disk #33** - Video Hustler..Never released

**Disk #34** - Test Cart..Test system peripherals, printer, DDP, etc..Need 64K expander, CP/M to run...

**Disk #35** - BASIC- Misc BASIC files from NIAD/AUG Users Group Library

**Disk #36** - BASIC-BBSKit (Updated Bulletin Board Sys. for Adam in BASIC)

optimal use of Adam's special sound, color, and graphics capabilities. This book not only offers hours of fun, but also the opportunity to learn fundamental programming techniques. Whatever your level of expertise, this book is ideal for you.

**LEARNING TOGETHER WITH ADAM \$9.95** This is the only book that shows the parent how to use the computer to educate children. It addresses the question, what am I going to do with Adam? This book includes such items as using & learning SmartWriter, learning together with SmartBASIC, and best of all using SmartLOGO.

**A HACKER'S GUIDE TO ADAM (DP/D) \$17.95** This includes a book, and a DP or Disk. The DP or Disk has many of the programs that are in the book for a faster and better understanding. A HACKER'S GUIDE TO ADAM is the book everybody is waiting for. It describes the Adam system, hardware and software. Operating system routines are identified and instructions given to use them to control the tape, printer, video, sound and keyboard. Printout of the expansion connectors are given for your own hardware projects. Z80 assembly language is described. Many BASIC programs are listed in the book. Just to name a few: Z80 DISASSEMBLER, FONT EDITOR-change character on the screen, SPRITE EDITOR - make sprites & use them in Basic, SOUND PROGRAM, BACKUP-copy all programs that are produced, including SmartBASIC, CARTRIDGE COPY - Backup your Colecovision cartridges for personal use only.

**HACKER'S GUIDE TO ADAM VOL. II (DP/D) \$17.95** This book is must for every Adam owners library. It continues with more of what's in the first book plus new material. Basic overview, zero page, keywords, math routines, basic commands, screen & tape routines, schematics and much more.

## ADAM ACCESSORIES

**DIGITAL DATA DRIVE \$24.95** - Extra or replacement

**TRACTOR FEED \$79.95** Now you can use tractor feed paper, tractor feed labels, etc. and the paper will stay in line. This is the item that Coleco forgot to put on the printer. The Tractor Feed attaches in seconds. No tools are needed, since it's the same as original equipment. Tractor Feed is made of stainless steel & aluminum  
**PRINTER STAND / REMOTE ON/OFF \$19.95** Front mounted remote switch activator and printer leg set. A must for using fanfold paper, labels, etc. It moves power on/off control to the front of the printer. Raises the printer 3 $\frac{3}{4}$  inches on 4 special legs. This kit only needs a screwdriver to install and no electrical modifications.  
**Combo SPECIAL** above 2 items (Tractor Feed & Printer Stand) \$95.95

**ADAM AIR CONDITIONER \$19.95** A stand alone 115 volt, 60 cycle cooling fan that is recommended if you give your ADAM prolonged use. Heat is the biggest enemy of electronic components. Keep air moving  
**RS-232 SERIAL/PARALLEL INTERFACE UNIT -**

## BOOKS & LEARNING AIDS

**THE COLECO ADAM ENTERTAINER \$12.95** Enjoyable and easy to use. This original collection of programs. Programs make







## ABACUS

GRAPHICS & SOUND (AST) \$18.95  
 LOGO (AST) \$18.95  
 PRESENTING THE ATARI ST (AST) \$16.95

### ACADEMY SOFTWARE

TYPING TUTOR (AM/AST) \$29.95 Teaches touch typing by starting with the home keys & advancing to new keys in gradual steps as user's skills develop. This comes with the typing game WORD INVADERS.

## ACCESS SOFTWARE, INC.

LEADER BOARD (AM/AST) \$41.95 Sports

### ACCOLADE

MEAN 18 (AM/AST) \$38.95 Sports

## ACTIVISION

BORROWED TIME (AM) \$38.95 Adventure  
 MINDSHADOW (AM/AST) \$38.95 Adventure  
 HACKER (AM) \$38.95 Adventure  
 HACKER II (AM) \$46.95 Arcade game  
 MUSIC STUDIO (AM/AST) \$49.95 Productivity  
 LITTLE COMPUTER PEOPLE (AM) \$46.95 Adventure

## AEGIS DEVELOPMENT

AEGIS DRAW (AM) \$184.95 Graphics design  
 AEGIS IMAGES (AM) \$74.98 Graphics design  
 AEGIS ANIMATOR W/IMAGES (AM) \$129.95 Graphics design

## ARTWORX

BRIDGE 4.0 (AST) \$27.95 Card game  
 GOLF (AST) \$27.95 Sports

## ATARI

D B MASTER (AST) \$42.95 Data management

## BYTE BY BYTE

**PAL SYSTEMS** - The PAL is a turnkey expansion chassis that provides the most powerful and cost effective hardware growth path for your AMIGA.

**PAL STANDARD CONFIGURATION (AM) \$1,795.00**

♦ **1 MEGABYTE RAM** - This meg of RAM is located in the Amiga's reserve memory and will autoconfigure. Note that this memory is in addition to the 8 meg of RAM accessible through the expansion memory and does not occupy any of the 5 DMA expansion slots. ♦ **BATTERY-BACKED**

**CLOCK/CALENDAR** - Built into chassis motherboard - Does not occupy any of the 5 DMA expansion slots. ♦ **5 DMA EXPANSION**

**SLOTS** - Conforms to ZORRO expansion architecture (100 pin connectors). Plug in cards mounted via card cage - cards accessible from PAL's rear panel. No need to open the PAL SYSTEM to access or insert cards. ♦ **INTERNALLY SUPPORTS UP TO 3 HALF**

**HEIGHT STORAGE/RETRIEVAL DEVICES.** ♦ **CHASSIS WILL AUTOCONFIGURE UNDER KICK-START/WORKBENCH 1.2.** ♦ **200 WATT POWER**

**SUPPLY** ♦ **CHASSIS RESTS ON TOP OF THE AMIGA.**

- Chassis length and width are identical to

that of the Amiga. Height is approximately 5 inches. Attractive aluminum casing styled in the Amiga profile. ♦ **WHISPER**

**FAN FOR COOLING** ♦

**PAL STANDARD CONFIGURATION, IN ADDITION CHASSIS WITH 20 MEG DMA HARD DISK (AM)**

**\$3,195** High speed DMA hard disk controller is capable of transmitting data at 10 MegaBits per second. Supports two ST506/412 storage/retrieval devices. Optional SCSI controller available. The 20 Meg hard disk has an average access time of 65 milliseconds and track-to-track access of 18 milliseconds.

**PAL STANDARD CONFIGURATION, IN ADDITION CHASSIS WITH 43 MEG DMA HARD DISK (AM)**

**\$3,995** High speed DMA hard disk controller - Transmits data at 10 megabits per second. The 43 Meg hard disk has an average access time of 35 milliseconds and track-to-track access of 6 milliseconds.

**OPTIONAL EXPANSION CARDS FOR ABOVE.**

**2 MEGABYTE RAM CARD (AM) \$1,195** High speed memory board incorporating SIMM technology. Upgradeable to 8 megabytes on this board using 1 megabyte chips.

**PROTOTYPING CARDS (AM) \$63.00**

**PAL JR. (AM) \$1,495.00** PAL JR. combines a 20 MEG hard disk and a DMA SCSI controller with one megabyte of fast ram. PAL JR.'s low profile casing, styled in Amiga colors, conveniently connects to the Amiga's buss and extends the SCSI port to provide further expansion. The small footprint saves valuable real estate while providing you with unparalleled power to accomplish serious work. Naturally, PAL JR. autoconfigures under release 1.2 of the operating system. Simply connect PAL JR. and unleash the awesome power of your Amiga! Note: delivery approx. January 1987.

**TIC (AM) \$59.95** The TIC provides your Amiga with a tiny battery backed clock/calendar. Conveniently plugs into the second joystick port. 3 year battery will maintain time even if temporarily removed from the Amiga. Change the Amiga's internal time simply by moving the displayed clock's hands with the mouse. Set your Amiga's time once and for all.

**INFOMINDER (AM) \$89.95** Information retrieval system that accesses and displays both text & graphics. Expand and shrink topics with a simple mouse click.

**FINANCIAL PLUS (AM) \$295.00** A full, integrated accounting system featuring General Ledger, Accounts Receivable, Accounts Payable, Payroll, and Word Processing.

## CHANG LABORATORIES

**RAGS TO RICHES ACCOUNTING SERIES (AM) \$449.95** General 3 Pak with the 3 programs below. All programs require 512k & 2 drives recommended.

**LEDGER (AM) \$179.95** Double-entry book-keeping system with complete audit trail. Reports include: Account list, audit

trail, chart of accounts, disbursement journal, income statements and balance sheets (Consolidated & departmental also); Receipts, sales, and transaction journals; Trial Balance Report.

**RECEIVABLES (AM) \$179.95** Tracks open accounts receivable & ages outstanding balances. Invoices and statements can be printed in batches or singly. Report includes: Customer aging, customer list, invoice aging, ledger distribution, receipts journal, sales journal, and transaction journal.

**PAYABLES (AM) \$179.95** Tracks accounts payable, projects cash needs, and schedules payments. Checks can be printed in batches or singly. Reports include: Cash requirements, check preview, check register, invoice aging, ledger distribution, purchase journal, transaction journal, vendor aging, and vendor list.

## CLASSIC IMAGE, INC.

**DIABLO (AM/AST) \$29.95** The most original new game that's been developed in years. Diablo consists of tracks, panels, and a ball. Excellent graphics and sound support, a maze and arcade style game in one. This game demands substantial strategy, planning, and decisive control. We can't compare it to anything you have ever played. It's addictive!

**DISK LIBRARY (AM/AST) \$49.95** This program is based on the card catalog in public libraries, that you reference to find a book or subject of your choice. In this program you will have control of all your disk information at your finger tips. ★ Files, Categorizes, Cross References, Updates, Searches, Reports on each disk, each folder, and each file in your library

★ creates a PERMANENT file of your library

★ automatically UPDATES information when

changed ★ provides on screen or printed

LISTING of the complete file, disks only,

folders only, folders and files, files only

★ view or print by filename, type, size or

date ★ SHOWS: total disks, total folders,

total programs and total bytes used and

free for each disk and in complete library

★ SEARCH (like a word processor) in all or

any fields ★ fast LOOK-UP TIME ★ supports

single or multiple drives

## CLOCKWORK COMPUTERS

**SUPER-A MERCHANDISER (AM) \$549.00** A complete SMALL BUSINESS ACCOUNTING SYSTEM. Includes fully integrated quotation job order, sales transactions, inventory control (up to 10,000 items) plus more. Required: 512k, Hard drive 20 meg min., 2nd drive 3½ or 5¼ floppy.

## COMSPEC COMMUNICATIONS

**1 MEGABYTE RAM EXPANSION (AM) \$729.00**

**2 MEGABYTE RAM EXPANSION (AM) \$899.00**

⓪ Built-in auto config. ⓪ No wait state (unlike other expansion boards) ⓪ Pass



through bus design ☐ Small footprint ☐ FCC approved ☐ Because of its speed the above RAM expansion board will, in many cases, actually speed up the Amiga. The pass through bus, allows other peripherals to be connected to the Amiga.

## COSMI

**SUPER HUEY (AM) \$36.99** Simulation

## DESKWARE

**SciCalc (AM) \$18.95** Advance Scientific Calculator. SciCalc has full algebraic hierarchy & features an automatic constant. Choose from 3 display modes: Floating Point, Scientific or Fix Point. Provides over 40 functions (2 pages) and 10 memories, but uses less than 50k of RAM. Functions include powers, logarithms, factorials, trigonometry, hyperbolics, polar/rectangular conversions, and 2D statistics. Plus more.

## DISCOVERY SOFTWARE

**MARAUDER II (AM) \$36.95** The most powerful copier for Amiga. Copies most advanced copy protection schemes on any drive with no adjustment required. Automatic copying is now fully supported, but parameter entry override is still provided. Marauder II includes new disk analysis utilities that will allow you to explore disks. No key disk is required after these programs are unprotected by Marauder II. Hard disk users will appreciate this. This program is to be used only to make backup copies for personal use. Any other reason is against the law.

**GRABBIT (AM) \$27.95** With GRABBIT you can capture exactly what you see on your screen in an instant, regardless of what other programs you're running. This is not a game or toy, it's truly a productivity power tool for your Amiga, and easy to use. GRABBIT's abilities are not limited merely to printing, it is equally adept at saving screen images to disk - yes, even HAM screens. Plus much more.

**DEMON (AM) \$46.95** This amazing keyboard macro processor is just what you need to give your fingers a rest. The Demon is always at work to save you time and keystrokes. Complicated or repetitious keyboard sequences are easily assigned to any key you choose through the Demon's Pop-Up macro definition window. You can load and save your favorite macro sequences on disk. Definitions can be edited, replaced, inserted, or deleted easily and interactively. No other program can do so much for you, and all at the touch of a key!

## EASTERN TELECOM, INC.

**INFO+ (AM) \$49.99** A database manager, not a complicated language that must be learned. It can be understood in a few minutes by any person that understands a database concept of filing information. Written in "C", can be used in a multi-tasking environment, not copy protected,

works with only 256K, but more is recommended.

## ELECTRONIC ARTS

**DELUXE PAINT (AM) \$69.95** Graphics design  
**DELUXE PAINT DATA (AM) \$26.95** Graphics  
**ADVENTURE CONSTRUCTION SET (AM) \$29.95**

Productivity

**ULTIMA III (AM) \$49.95** Adventure

**CHESSMASTER (AM) \$39.95** Board game

**MAXICOMM (AM) \$39.95** Telecommunication

**MAXIDISK (AM) \$57.95** Utility

**MAXIPLAN (AM) \$115.95** Spreadsheet

**FINANCIAL COOKBOOK (AM/AST) \$38.95** Financial

**ONE-ON-ONE (AM) \$31.95** Sports

**SEVEN CITIES OF GOLD (AM) \$31.95** Adventure

**SKYFOX (AM) \$31.95** Arcade game

**GOLDEN OLDIES (AM) \$27.95** Entertainment

**ARCHON (AM) \$31.95** Strategy

**ARCHON II: ADEPT (AM) \$31.95** Adventure

**ARCTIC FOX (AM) \$31.95** Arcade game

**MARBLE MADNESS (AM) \$47.95** Adventure

**DELUXE PRINT (AM) \$89.95** Graphics design

**DELUXE PRINT DATA (AM) \$26.95** Graphics

**DELUXE VIDEO (AM) \$89.95** Productivity

**INSTANT MUSIC (AM) \$47.95** Productivity

## EPYX COMPUTER SOFTWARE

**ROGUE (AM) \$31.95** Strategy

**TEMPLE OF APSHAI TRILOGY (AM) \$36.99** Adventure

## FINALLY SOFTWARE, INC.

**TALKER: Talking Word Processor (AM/AST) \$69.96** Easy to use word processor that talks. It includes all standard WP features like word wrap, margin setting, formatting, **bold**, *italic*, and underlined text. Talker can speak as you type word by word, or by character or sentence. It can even read back the entire document or a selected portion. All Talker commands can be accessed in 2 or 3 ways - with pull-down menus, command keys, or function keys. Talker - the first writer's tool that reads.

**DR. XES: Shrink in a Box (AM/AST) \$49.95** Dr. Xes is an artificial program which mimics a Rogerian psychotherapy session. It takes advantage of the larger computing power and memory in the newer 68000 computers (Amiga and Atari ST series) in providing a large vocabulary, animated graphics, speech, & more. Dr. Xes is more fun than a padded room & great for parties.

## FIREBIRD

**PAWN (AM) \$39.95** Adventure

## GIMPEL SOFTWARE

**AMIGA-LINT (AM) \$98.00** A diagnostic facility for C.

## HABA

**HABA WRITER (AST) \$69.95** Word processor

**HABAVIEW (AST) \$69.95** Productivity

**CHECKMINDER (AST) \$69.95** Productivity

**HIPPO-C (AST) \$69.95** Utility  
**PROFESSIONAL BUSINESS LETTERS (AST) \$46.99** Word processor  
**HABASPELL (AST) \$36.95** Word processor  
**HOME ACCOUNTANT (AST) \$69.95** Accounting

## INFOCOM

**WISHBRINGER (AM/AST) \$34.95** Adventure  
**HITCH HIKERS GUIDE (AM/AST) \$34.95** Adventure

**ZORK I (AM/AST) \$34.95** Adventure

**ZORK II (AM/AST) \$38.95** Adventure

**ZORK III (AM/AST) \$38.95** Adventure

**ENCHANTER (AM/AST) \$34.95** Adventure

**SORCERER (AM/AST) \$38.95** Adventure

**DEAD LINE (AM/AST) \$44.95** Adventure

**WITNESS (AM/AST) \$34.95** Adventure

**SUSPECT (AM/AST) \$38.95** Adventure

**STARCROSS (AM/AST) \$44.95** Adventure

**PLANETFALL (AM/AST) \$34.95** Adventure

**A MIND FOREVER VOYAGING (AM/AST) \$38.95** Adventure

**INFIDEL (AM/AST) \$38.95** Adventure

**SEASTALKER (AM/AST) \$34.95** Adventure

**CUTTHROATS (AM/AST) \$34.95** Adventure

**SUSPENDED (AM/AST) \$44.95** Adventure

**BALLYHOOD (AM/AST) \$34.95** Adventure

**SPELL BREAKER (AM/AST) \$44.95** Adventure

**TRINITY (AM) \$34.95** Adventure

## INSIGHT

**FINANCIAL TIME MACHINE (AM) \$36.99** Simulation

## KENT ENGINEERING & DESIGN

**MacroModem (AM) \$67.95** This software package simplifies telecommunications for the experienced user & the novice. One keystroke does the work of dozens. The new MacroModem user can be online in minutes. An install macro assists the user in customizing the program. Another set of macros directs the log-on procedure.

## MANX SOFTWARE SYSTEMS

**AZTEC C68k/AM-D (AM) \$461** Developer's system, includes a C compiler, 68000 macro assembler, a selective overlay linker, a versatile object code librarian, an editor, a full standard UNIX library, and a symbolic debugger.

**AZTEC C68k/AM-C (AM) \$276** Commercial system, also includes the UNIX-style utilities MAKE, GREP and DIFF, a "vi"-type editor, a library source, as well as an Amiga-to-Aztec object module converter.

## MEGAISOFT LTD.

**A-DISK (AM) \$27.65** Utility

**A-FILER (AM) \$45.99** Data Management

**A-TERM (AM) \$45.99** Telecommunication

## MERIDIAN SOFTWARE, INC.

Each of the 3 below GAMES GALLERY's contain 15 programs. Plus each provide a standard series of features and options: ♠ Speech ♦ Graphics ♠ Menus ♥ Color ♠ Help ♦ Voice ♠ Mouse Control ♥ Kickstart 1.1 & 512k memory



required

**GAMES GALLERY I (AM) \$26.95** Example of some: Baccarrat, Starwars, Missiles, etc.  
**GAMES GALLERY II (AM) \$26.95** Example of some: Craps, Golf, N.F.L., Wumpus, etc.  
**GAMES GALLERY III (AM) \$26.95** Example of some: Baseball, Pinball, 21, etc.  
**ZING (AM) \$74.95** Zing is a super software package. You no longer have to resort to typing cryptic commands through CLI. ZING! uses Intuition which provides you with easy window, icon, menu, and mouse controlled features. Start flying through your system while copying, editing, deleting, renaming, sorting, searching and organizing files and programs. You can save screens to standard IFF files or the printer, monitor and control running tasks, and interface with other software applications. Of course, ZING! has many other powers including a built-in screen dimmer during periods of inactivity.

## METACOMCO

**CAMBRIDGE LISP (AM) \$184.95** Computer language  
**AMIGA PASCAL (AM) \$92.95** Computer language

## MICHTRON

**MUD-PIES (AST) \$27.95** Arcade game  
**MICHTRON UTILITIES (AST) \$55.95** Utility  
**M-DUPE (AST) \$27.95** Utilities  
**M-COPY (AST) \$73.95** Utilities  
**EASY RECORD (AST) \$73.95** Record keeping  
**CALENDER (AST) \$27.95** Utilities  
**TIME BANDITS (AST) \$36.95** Adventure  
**LAND OF HAVOC (AST) \$18.49** Strategy  
**MAJOR MOTION (AST) \$36.95** Arcade game  
**CORNERMAN (AST) \$46.95** Multi-purpose  
**D.F.T. (AST) \$46.95** Utility  
**ANIMATOR (AST) \$36.95** Productivity  
**ALT (AST) \$27.95** Utility  
**INTRO TO ST LOGO (AST) \$46.95** Tutorial  
**MIGHTY MAIL (AST) \$46.95** Data management  
**MISSION MOUSE (AST) \$36.95** Arcade game

## MicroEd

**ALL PROGRAMS USE THE AMIGA VOICE!**

**BEGINNING READING ONE (AM) \$29.95**  
**BEGINNING READING TWO (AM) \$29.95**  
**BEGINNING READING THREE (AM) \$29.95**  
**BEGINNING READING FOUR (AM) \$29.95**  
The series above provides students with beginning word attack skills normally taught in kindergarten to third grade. More than 1,000 words are taught. The instructional system used in this series is based on the concept of Mastery Learning. The Mouse is the response device.  
**SPELLING LEVEL TWO (AM) \$29.95**  
**SPELLING LEVEL THREE (AM) \$29.95**  
**SPELLING LEVEL FOUR (AM) \$29.95**  
**SPELLING LEVEL FIVE (AM) \$29.95**  
**SPELLING LEVEL SIX (AM) \$29.95**  
Each of the above 5 levels consists of 36 lessons.  
**CAPITALIZATION (AM) \$29.95** Teaches students how to capitalize.  
**PUNCTUATION (AM) \$29.95** Teaches students how to punctuation.

**SOCIAL STUDIES VOCABULARY (AM) \$29.95** Elementary level. This program helps students develop a useful vocabulary for the following social studies regions: forest, desert, farming, ocean, manufacturing, trading, and political.

**VOCABULARY SERIES (AM) \$49.95** High level. This series deals with words found in publications such as THE NEW YORK TIMES, ATLANTIC MONTHLY, NEWSWEEK, TIME, etc.

**BASIC GRAMMAR (AM) \$29.95** This program teaches students to identify nouns, verbs, adjectives, adverbs, prepositions and their objects, conjunctions, and interjections.

**WORD DEMONS (AM) \$29.95** This group deals with the following troublesome homonyms and verbs: to, too, two, there, their, they're, its, it's, your, you're, etc.

**THE SPELLING DETECTIVE GAME (AM) \$39.95** Become the Great Spelling Detective and learn how to spell 100 of the most frequently misspelled words in the English language! Along the way, you'll also discover how the Amiga is programmed to SPEAK words like **acquaintance**, **noticeable**, **occurrence**, and **privilege** through the use of PHONEMES (the basic units of sound by which words are represented).

## MICROPROSE SOFTWARE

**SILENT SERVICE (AST) \$34.95** Simulation

## MICROSMITHS, INC.

**TxEd (AM) \$37.95** Fast display updates - more than 20 times as fast as "Ed" \* Designed from the ground up to take advantage of the Amiga user interface. \* Multiple windows \* Very easy to learn, use menus for online help. \* Simple, elegant set of commands. \* Alternate command keys shown in menus allow fast command entry for experienced users. \* Compact code works well with Amiga's multi-tasking. \* The first Amiga directory requester that doesn't make you wait \* All around utility editor is good for programmers, and also useful as a simple word processor. Great for use with terminal programs.

## MICRO SYSTEMS SOFTWARE

**ONLINE (AM) \$59.95** Telecommunication  
**ANALYZE (AM) \$89.95** Spreadsheet  
**BBS-PC BULLETIN BOARD (AM) \$89.95** Telecommunication  
**SCRIBBLE (AM) \$89.95** Word processor  
**ZUMAFONT VOL I (AM) \$29.95** Graphic  
**ZUMAFONT VOL II (AM) \$29.95** Graphic  
**ZUMAFONT VOL III (AM) \$29.95** Graphic

## MINDSCAPE

**HALLEY'S PROJECT (AM) \$38.95** Simulation  
**BRATACUS (AM/AST) \$44.95** Adventure  
**KEYBOARD CADET (AM) \$36.99** Typing tutor  
**RACTER (AM) \$38.95** Entertainment

## OTHER VALLEY SOFTWARE

**MONKEY BUSINESS (AM) \$21.95** Arcade game

**DELTA PATROL (AM/AST) \$21.95** Arcade game

## NETCH COMPUTER PRODUCTS

A math coprocessor board uses the Motorola 68881 chip, and the 68010 microprocessor to boost the math intensive software speed by 300 to 500 percent. A software emulation of the 68020 coprocessor interface is provided. Software libraries for Manx/-Aztec C & Lattice C, AC/FORTRAN, Assembler tools, complete documentation & manual are included.

**FPU-1 (AM) \$149.00** A bare board kit  
**FPU-2 (AM) \$269.00** Assembled & tested without 68881 chip  
**FPU-3 (AM) \$459.00** Completely assembled with 68881 chip

## NEW HORIZONS SOFTWARE

**FLOW (AM) \$99.95** Flow is a business & personal productivity tool. Used in organizing and arranging ideas as a preparation to writing papers, articles, or book, or for presentations, planning, decision making, sales reports, school papers, and so on.

## PAR SOFTWARE

**PAR Home I (AM) \$65.95** Integrated home & personal financial management package. \* Checkbook Accounting \* Budget Management \* Financial Evaluations \* Lease vs. Buy \* Personal Financial Statements \* Spendaholics Exam \* Investment Analysis \* Numerous reporting options  
**PAR Real I (AM) \$139.95** This program enables the property manager, realtor, investor or interested enthusiast to get investment analysis, amortization tables, financial statements, loan evaluations, lease vs. buy analyses, "what if" forecasts, cash flow, tax benefits, rate of return, key business ratios, forms & agreements, balloon & variable payments, multi-year forecasts, 3-D barcharts, speech output, and more!

## POLARWARE

**OO TO-POS (AST) \$26.95** Adventure  
**TRANSYLVANIA (AM) \$26.95** Adventure  
**CRIMSON CROWN (AM/AST) \$26.95** Adventure

## POLYVISION SOFTWARE

**INSTANT ARTIST (AM) \$35.95** An inexpensive but powerful paint program with over 50 commands & thousands of possibilities that come to your fingertips by a simple click of a button. \* Saving & loading pictures & patterns \* Picture magnification \* Image cloning \* Airbrush technique \* mirror imaging \* Ten brush sizes + the ability to make your own custom brushes \* Ability to merge pictures to future Polyvision programs

## PROGRESSIVE PERIPHERALS/SOFTWARE

**LOGiSTiX (AM) \$229.95** Spreadsheet



## QUEUE, INC.

### READING

**READING ADVENTURE 1 (AM) \$39.95** Grades 2-3 Interactive fiction  
**READING ADVENTURE 2 (AM) \$59.95** Grades 4-5 Interactive fiction  
**READING ADVENTURE 3 (AM) \$59.95** Grades 6-8 Interactive fiction  
**READING & THINKING I (AM) \$54.95** Grades 2-3 Reading exercises which requires thinking  
**READING & THINKING II (AM) \$54.95** Grades 4-5 Similar to above  
**READING & THINKING III (AM) \$54.95** Grades 6-8 Similar to above  
**LESSONS IN READING & REASONING (AM) \$149.95** Correct and fallacious reasoning, and proverbs  
**COLLEGE APTITUDE READING COMPREHENSION EXERCISES (AM) \$65.00** Excellent practice & training for all high school or near high school grade level readers, also prepares for college aptitude tests.

### VOCABULARY

**PRACTICAL VOCABULARY (AM) \$54.95** A high school level vocabulary drill program, on recognition and use vocabularies, definitions, antonyms, synonyms, word roots, prefixes.  
**VOCABULARY ADVENTURE I - THE CASTLE OF TREASURE (AM) \$59.95** A game which involves answering a challenging reading/vocabulary question.  
**VOCABULARY ADVENTURE II - THE LABYRINTH (AM) \$59.95** Similar to above, over 1,000 new words introduced during play. Grade level 6-8.  
**VOCABULARY ADVENTURE III - MARAUDERS OF THE LOST ARK (AM) \$59.95** Similar to above. New words are on Grade level 10-12.

### SPELLING

**HOW TO SPELL (AM) \$39.95** A tutorial on the principles of correct spelling, designed for students in grades 4-7. Each rule is explained, illustrated and drilled. Each wrong answer brings additional remediation.

### COMPOSITION

**PRACTICAL COMPOSITION I - MAKING WORDS WORK (AM) \$44.95** Tutorial on choosing the right word. Good for all ages, including adults.  
**PRACTICAL COMPOSITION II - LOGICAL CLEAR SENTENCES (AM) \$54.95** Tutorial on sentence sense, coordination, etc.  
**PRACTICAL COMPOSITION III - SELECTING THE BEST APPROACH (AM) \$44.95** Tutorial on description, narration, argumentation, exposition, etc.  
**PRACTICAL COMPOSITION PACKAGE I** all 3 above \$144.95  
**PRACTICAL COMPOSITION IV - MAKING SENTENCES WORK (AM) \$44.95** Sentence unity, sentence logic, drills on managing the sentence, etc.  
**PRACTICAL COMPOSITION V - USING WORDS CORRECTLY (AM) \$44.95** Words and phrases often misused in writing and conversation.  
**PRACTICAL COMPOSITION PACKAGE II** both of the above \$85.00

### GRAMMAR

**COMPREHENSIVE GRAMMAR REVIEW I (AM) \$54.95** Over 200 exercises on identifying the parts

of speech, finding the subject and the predicate, and so much more. Hard cover textbook.

**COMPREHENSIVE REVIEW II (AM) \$54.95** Continues and strengthens from above.

### TEST PREPARATION

**ANALOGIES I (AM) \$65.00** Students will improve aptitude test scores as they learn how to analyze and solve analogies with a step by step approach.

**ANALOGIES II (AM) \$65.00** Provides even more extensive practice in solving analogies. Designed to help prepare students for the analogies section of college aptitude tests.

**ANTONYMS (AM) \$34.95** Students learn how to identify and understand antonyms. Good for preparing for college aptitude tests.

**SENTENCE COMPLETION (AM) \$44.95** Reading comprehension exercises designed to help students improve scores on sentence completion items on college aptitude tests.

**COLLEGE APTITUDE READING COMPREHENSION EXERCISES (AM) \$65.00** Excellent practice & training for all high school or near high school grade level readers, also prepares for college aptitude tests.

### SOCIAL STUDIES

**U.S. GEOGRAPHY ADVENTURE (AM) \$59.95** As students play this game, they learn to identify each state, capitals, largest cities, rivers, and other noteworthy geographical features.

**WORLD GEOGRAPHY ADVENTURE I (AM) \$59.95** Same as above, but world.

**WORLD GEOGRAPHY ADVENTURE II (AM) \$59.95** Same as above, but Europe

**WORLD GEOGRAPHY ADVENTURE III (AM) \$59.95** Same as above, but Africa

**WORLD GEOGRAPHY ADVENTURE IV (AM) \$59.95** Same as above, but Asia

**HOW A BILL BECOMES A LAW (AM) \$59.95** Students become a Congresspersons trying to get a bill passed in the U.S. Congress. Learn the legislative system.

**AMERICAN HISTORY ADVENTURE (AM) \$59.95** Players must meet and identify historical characters in American history, and be able to locate them in time and place.

**WORLD HISTORY ADVENTURE (AM) \$59.95** Same as above, but world

### BUSINESS

**STARTING A NEW BUSINESS (AM) \$59.95** You will learn the ins and outs of starting a new business. This will teach as it entertains.

### FOREIGN LANGUAGE

**FRENCH GRAMMAR I (AM) \$34.95** Includes: The nouns, definite article, etc.

**SPANISH GRAMMAR I (AM) \$34.95** Includes: gender of nouns, etc.

**SPANISH GRAMMAR II (AM) \$34.95** Includes: agreement of adjectives, etc.

**SPANISH GRAMMAR III (AM) \$34.95** Includes: the preterit tense of regular verbs, etc.

## SCARBOROUGH

**MASTER TYPE (AM) \$35.95** Typing tutor

## SIERRA ON-LINE, INC.

**WINNIE THE POOH (AM) \$22.95** Education 6&up

## SPINNAKER

**HOMEWORK HELPER (AST) \$39.95** High school

## STARPOINT SOFTWARE

**256 RAM (AM) \$115** Expands memory to 512k

## T & L PRODUCTS

**MOUSE WASH (AM/AST) \$7.95** This is a small rough acrylic ball that you simply pop in place of the original ball & roll it around. 30 seconds of this removes the dirt & allows your mouse to roll as well as it did the day you got it. The mouse wash is washable and can be used 100's of times.

## THE COMPUTER CLUB CO.

**NANCY (AM) \$60.00** A SPELLING CHECKER with a compressed dictionary file allowing recognition of over 80,000 words. Nancy has many, many features such as an automatic correction list, etc. Nancy will work with files created by virtually any word processor or text editor (such as Amiga Textcraft).

## VERSASOFT

**DB MAN (AM) \$119.95** Data management

## XLENT

**MEGAFONT ST (AST) \$36.95** Graphics design

## BOOKS+ AMIGA/ATARI ST

### BANTAM

**AMIGA DOS MANUAL - \$24.95**

### COMPUTE! PUBLICATIONS

**ADVANCE AMIGA BASIC - \$16.95**  
**AMIGA PROGRAMMER'S GUIDE - \$16.95**  
**AMIGADOS REFERENCE GUIDE - \$14.95**  
**BEGINNER'S GUIDE TO THE AMIGA - \$16.95**  
**COMPUTE'S AMIGA APPLICATIONS - \$16.95**  
**ELEMENTARY ATARI ST - \$16.95**  
**ELEMENTARY ATARI ST BASIC - \$16.95**  
**ELEMENTARY AMIGA BASIC - \$16.95**  
**GUIDE TO ADVENTURE GAMES - \$12.95**  
**ICONS AND IMAGES - \$14.95**  
**INSIDE AMIGA GRAPHICS - \$16.95**  
**INTRO TO SOUND & GRAPHICS 520 - \$14.95**  
**KIDS AND THE ATARI ST - \$14.95**  
**KIDS AND THE AMIGA - \$14.95**  
**THE AMIGA: YOUR FIRST COMPUTER - \$16.95**  
**USING AMIGADOS - \$14.95**

### CONTINENTAL

**MASTERING AMIGA DOS - \$16.95**

### HAYDEN BOOK/SOFTWARE

**ATARI ST LOGO - \$16.95**

### HOWARD W. SAMS

**INSIDE THE AMIGA - \$22.95**

### PRECISION SOFTWARE

**AMIGA HANDBOOK - \$24.98**



## PDS

These disks contain many different kinds of programs and are typically 85 to 95% full. There are demos of what the AMIGA can do, useful utilities, development tools, editors, tutorials, languages, games, and other "odds and ends". A small minority do not work correctly & you are encouraged to fix and submit them back to us. Source codes are included whenever possible for you to modify (for the better, hopefully). As an aside...many people are offering Public Domain software! Be careful. these are guaranteed to be packed with stuff. We have noticed many groups breaking the disks down in many smaller disks.. Hence, a typical Fish disk can be made into three or four disks. We won't do that. Our object is to help all people obtain these disks so that they can make full use of their computer, without the burden of high costs. To help defray our costs the price of each disk is only \$12.95. NOTE: To our knowledge all programs are public domain, if found otherwise they will be discontinued.

### AMIGA PUBLIC DOMAIN SOFTWARE-\$12.95 ea.

**Disk #1** Fish #1 Freedraw - Colorful (HAM DEMO) Halfbrite (do you have the new VLSI chip? Find out with this) Palette - Speechtoy - others... Includes source code for many of the programs!

**Disk #2** Fish #2 MicroEMACS - One of the first for the Amiga (Text editor) Xrf C cross reference utility - Portar - Portable archiver.. Bundle text files up into one for transmission - Dbug.. Macro based debugging package - Alib.. Object module librarian-others...

**Disk #3** Fish #3 Gothic.. A gothic banner printer - Roff.. A text formatter - FF.. A very fast text formatter - Cforth.. A highly portable forth - Xlisp..

**Disk #4** Fish #4 Banner... Prints horizontal banner (across screen) Bgrep - Another grep - like utility - Bison.. A replacement for unix "yacc" command - GREP.. (Get Regular Expression and Print) Searches for strings Kermit.. Ancient one only send & receive - MyCLI.. another cli for the AMIGA.. Mandel.. A mandelbrot set program.. others...

**Disk #5** Fish #5 Parallel.. demos access to parallel port Layers.. demos use of layers library Mandelbrot.. A more recent version, features include saving images in IFF format for reading into Deluxe Paint - Freemap.. Creates a visual diagram of free memory - Samplefont... others...

**Disk #6** Fish #6 Compress.. Reduces size of files for saving disk space or for transmitting - MicroEMACS.. a newer version - Scales... An audio demo, includes much docs on using audio devices Stripc.. Strips extraneous comments from C source files... others....

**Disk #7** Fish #7 Ver.1.01 of the popular UNIX game "HACK" fully executable

**Disk #8** Fish #8 Contains source code to "HACK" Read all 'README' files before

redistributing with changes..

**Disk #9** AMICUS #1 21 ABASIC Graphics programs Brickout, Toybox (ABASIC) Sound demos ABASIC Source code to dotty demo on WB-13 tutorial text files

**Disk #10** Amicus #2 Showilbm (shows any IFF format picture) source code also for IFF standards (from Electronic Arts - also in ROM Kernal Man.) YachtC - excellent C version w/ graphics Iff check.. Find out which pictures are IFF Emacs documentation ... tutorials on MAKE (Clickable text files) .. others...

**Disk #11** PD Source Code Entire disk of PD C source code.. Some repeats but others are original FULL disk!!! (800K of Source code??!!)

**Disk #12** Technical BBS/AmigaLINK #1 800K of text files taken from the "cutting edge" of AMIGA developers - the AmigaLINK BBS

**Disk #13** Technical BBS/AmigaLINK #2 - Unfinished AMICUS #3 also full..more help files.. Includes some Amiga BASIC files... SWITCHBOX, one of nicest examples of BASIC programming (game) to date...

**Disk #14** Copperstate Disk Copier 1.0-boot up as workbench make unlimited copies without typing!!!

**Disk #15** Digitized Pictures.. Astronaut Horses Train Nudes (3 different) AtariSTWaterfall DireStraits Lighthouse Tigers B&W Frame Grabber pictures

**Disk #16** Fish #9 A shareware version of FORTH runnable from WB (comes with ICONS) Skewb (hires cube).. SPARKS a graphics demos... MOIRE.. makes MOIRE patterns others.....

**Disk #17** Fish #10 Conquest-full featured text adventure.. Trek.. An Amiga version of the classic.. more on IFF.. Squeeze.. unsqueeze.. filezap.. other

**Disk #18** Fish #11 Slideshow!! 30 different pictures... can be loaded into Paint programs (try cycling colors on some). Includes DPSLIDE and DOCs to create your own slideshows.....

**Disk #19** Fish #12 Slideshow#2.. 19 different pictures.. can be loaded into Paint programs.. 3D arrow demo.. StarTERM (terminal A program).. Amiga 3d graphics demo.. ICONEXEC.. others..

**Disk #20** Fish #13 ABASIC disk.. over 90 (!) ABASIC programs

**Disk #21** Fish #14 PD terminal programs.. 4d.. contains a great graphics demo that can be run in lo-res or hi-res.. many earlier files recompiled using MANX (aztec), which means tighter code, shorter files.. others....

**Disk #22** Fish #15 One of the BEST!! Dazzler.. a kaliedoscope - type (Polyscope) graphics program.. Monopoly.. ABASIC game with graphics/sound Polydraw & Polyfractals.. Graphics programs used w/ABASIC

**Disk #23** Fish #17 HAM demo (Hold and Modify).. provided.. incl. ShowHAM, HAMLOAD by Digiview.. 11 pics.. 4096 colors Docs on system, costs, 2 monochrome pics also

**Disk #24** Boston Computer Society#1 Some

repeats from other disks.. best feature is a demo of TexD.. a GREAT text editor that uses windows, multitasking, etc..

**Disk #25** Lifestream PD disk #1 Also some repeats.. best feature is some c demos (boxes, Jotty, mydotty) that are better than the ones that came on workbench!.. Also some good tutorial text files

**Disk #26** Richart #1 The zany art of Rich Payne Horror - oriented.. includes some incredible hi-res paintings.. full disk

**Disk #27** Jim Sachs #1 Another excellent 'electronic' artist.. 15 or so paintings.. Porsches, an '86 Mazda Rx and others..

**Disk #28** "Grace" pics.. An extremely talented artist from Rutgers who paints mostly fantasy type art.. 8 or so Winnie-the-Pooh pics (fantastic!) Yes album cover (Roger Dean) and some others Hires & lores.

**Disk #29** AmigaLIVE! demo A disk full of IFF format digitized pics plus info on system, prices..

**Disk #30** Digitized Sounds 15 or so sounds 5 seconds long.. 64K per file! You can change the settings.. Includes Cap'n Kirk, Spock, HAL, Empire Strikes Back, Raiders War, StarWars, Starman, and others.. Real crisp!

**Disk #31** FutureSound demo Another disk of sound demos..includes docs.. you can change parameters.. 8 seconds.. 100k to 200K (!) per file.. 6 sounds.. description of system, prices...

**Disk #32** Digitized Instruments Demo Using sampling to capture sounds Similar to Instruments demo (guitar, etc.) EXCEPT this one uses a HEARTBEAT, DRIP, CARHORN, WHINNY, 30 instruments.. Absolutely incredible!!

**Disk #33** Slideshow #3 25 new and different IFF pictures.. Many done by ISLAND GRAPHICS featured in early advertising - STILLIFE, MACINTOSH GIRL, DEGAS BEE, LAYOUT, DEGAS BEE, LAYOUT, AMIGA w/PERIPHERALS .. others

**Disk #34** Fish #16 This is a copy of the Amiga Developer's IFF disk received directly from Commodore-Amiga.. Contains new picture-display utility, "Seeilbm" - runnable from WB, shows picture until you click top left.. Everything you need on IFF standard!

**Disk #35** Fish #18 Scrimper - A screen dump utility run from WB or CLI.. MC68010 - Complete information package for upgrading Amiga to use a 68010 instead of a 68000... Multidim-rotate a 2 to 6 dimensional cube with a joystick.. Piglatin - Will translate and speak in pig latin..Browser - lets you wander around a file tree with the mouse.. others..

**Disk #36** Fish #19 Jay Miner's Slides - The designer of Amiga's custom chips drew hires pics to demonstrate Amiga's capabilities (can be used with Dpaint.. about 15 pics or so).. Blackjack - a line-oriented blackjack game... LockMon - find file locks.. others

**Disk #37** Atari520ST pics Full disk of converted pics to use with Dpaint or other paint programs.. 20 or so pics, no repeats.. Wave, Daffy, Aloha..

**Disk #38** More Dpaint pics... Another 20 or so pics... Use with Dpaint.. no repeats...



AutoDesign Cyprus, Dancer, Morrobay, Moon, Saturn2, others

**Disk #39** Jack Haeger/Sheryl Knowles pics Commodore's in-house artists work -Superb! 20 or so pics (not all done by them) JumboDog, VermeerGirl, MonaLisa, Skier, EyeCandy, Cutn' Paste Patterns.. others...

**Disk #40** FutureSound #2 All new sounds.. need 512K!! 3 songs.. play about 45 seconds each MAJORTOM (DAVID BOWIE).. LOVEMEDO, MAJESTY... (BEATLES).. each roughly 300K!!

**Disk #41** FutureSound #3 STARTREK... THEME SONG, KIRK,SPOCK, and other voices.. full disk need 512K!!

**Disk #42** FutureSound #4 More Music!! Theme from STARWARS, GLORIA and another tune by Laura Brannigan.. 300K each need 512K!!

**Disk #43** DigiView #2-Comdex '86 A demo of the actual Digiviewer program and 17 new HAM pictures!!

**Disk #44** AtariSTpics Misc utilities.. 15 new ST pics... ST to Amiga Conversion programs for Degas, Neochrome

**Disk #45** Fish #20 Amiga to Atari - Source code for Amiga to ST object code format converter. DiskSalv - Program to recover files from a trashed Amiga disk.. will also undelete files.. HexDump Mandelbrots IFF images... Pack - strips extraneous whitespace from C files.. SpeechTerm - terminal that can speak the received text.. others....

**Disk #46** Fish #21 This is a copy of Thomas Wilson's Mandelbrot Explorer disk. Can run from ICON or CLI.. Also contains extensive on-line help. Works in hi-res

**Disk #47** Fish #22 Two new "strains" of MicroEMACS. Both have many new features the others do not.. Check 'em out!

**Disk #48** Fish #23 This contains a "significantly enhanced" EMACS and incl. source code for a variety of diff machines. Some of these - MSDOS, CPM86, ST, UNIX, VAX

**Disk #49** Fish #24 Conquest - same as on Fish 10, but w/source code Csh - a csh - like alternative to CLI.. Wrks REAL fast Modula-2.. a pre-release one pass compiler...

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**Disk #51** DeluxeVideo Demo#2 Includes 6 new demos even better than the first ones.. Check out the Starion ESL commercial demo!

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(use them with Dpaint)

**Disk #57** Digiviewer Binary Files "Models".. 4-192K Binary Files. You can do the same thing as #56

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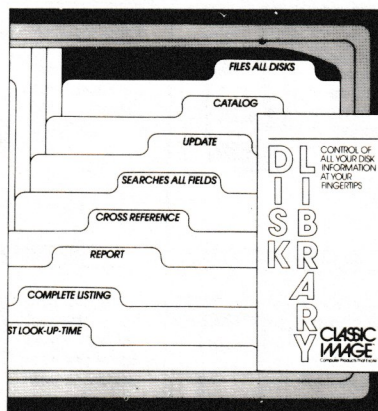


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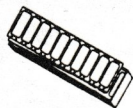
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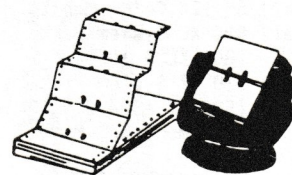
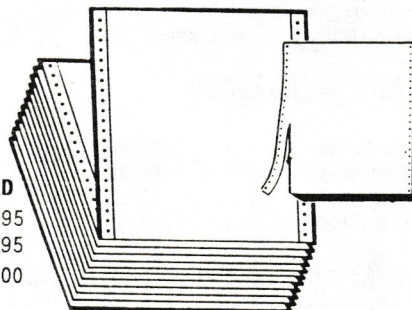
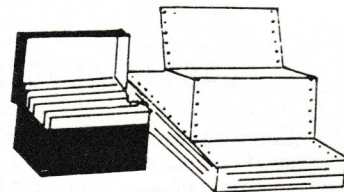
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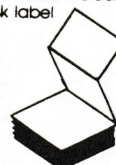
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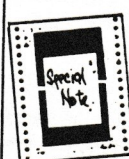
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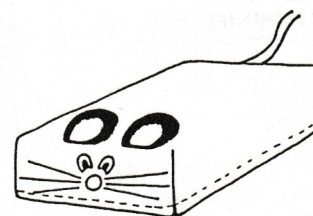
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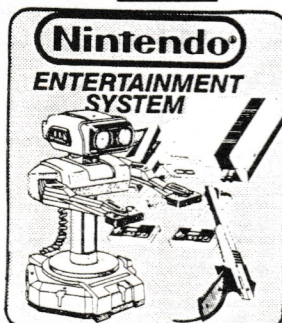
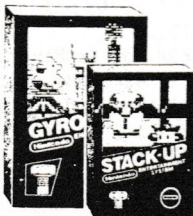
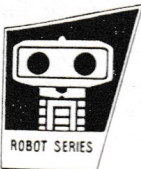
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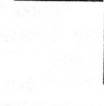
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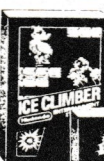
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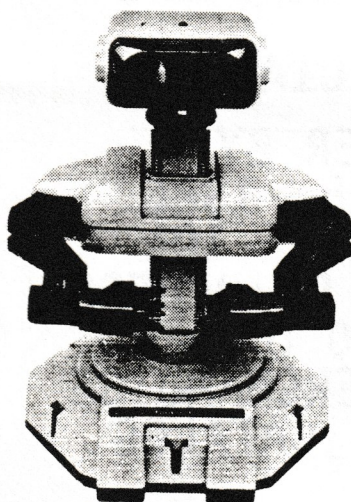
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