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The VERSABUSINESS™ Series

Each VERSABUSINESS module can be purchased and used independently, or can be linked in any combination to form a complete, coordinated business system.

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VERSARECEIVABLES™ is a complete menu-driven accounts receivable, invoicing, and monthly statement-generating system. It keeps track of all information related to who owes you or your company money, and can provide automatic billing for past due accounts. VERSARECEIVABLES™ prints all necessary statements, invoices, and summary reports and can be linked with VERSALEDGER II™ and VERSAINVENTORY™.

VERSAPAYABLES™

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VERSAPAYABLES™ is designed to keep track of current and aged payables, keeping you in touch with all information regarding how much money your company owes, and to whom. VERSAPAYABLES™ maintains a complete record on each vendor, prints checks, check registers, vouchers, transaction reports, aged payables reports, vendor reports, and more. With VERSAPAYABLES™, you can even let your computer automatically select which vouchers are to be paid.

VERSAPAYROLL™

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VERSAPAYROLL™ is a powerful and sophisticated, but easy to use payroll system that keeps track of all government-required payroll information. Complete employee records are maintained, and all necessary payroll calculations are performed automatically, with totals displayed on screen for operator approval. A payroll can be run totally, automatically, or the operator can intervene to prevent a check from being printed, or to alter information on it. If desired, totals may be posted to the VERSALEDGER II™ system.

VERSAINVENTORY™

\$99.95

VERSAINVENTORY™ is a complete inventory control system that gives you instant access to data on any item. VERSAINVENTORY™ keeps track of all information related to what items are in stock, out of stock, on backorder, etc., stores sales and pricing data, alerts you when an item falls below a preset reorder point, and allows you to enter and print invoices directly or to link with the VERSARECEIVABLES™ system. VERSAINVENTORY™ prints all needed inventory listings, reports of items below reorder point, inventory value reports, period and year-to-date sales reports, price lists, inventory checklists, etc.

VERSALEDGER II™

\$149.95

VERSALEDGER II™ is a complete accounting system that grows as your business grows. VERSALEDGER II™ can be used as a simple personal checkbook register, expanded to a small business bookkeeping system or developed into a large corporate general ledger system **without any additional software.**

- VERSALEDGER II™ gives you almost unlimited storage capacity (300 to 10,000 entries per month, depending on the system),
- stores all check and general ledger information forever,
- prints tractor-feed checks,
- handles multiple checkbooks and general ledgers,
- prints 17 customized accounting reports including check registers, balance sheets, income statements, transaction reports, account listings, etc.

VERSALEDGER II™ comes with a professionally-written 160 page manual designed for first-time users. The VERSALEDGER II™ manual will help you become quickly familiar with VERSALEDGER II™, using complete sample data files supplied on diskette and more than 50 pages of sample printouts.

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VERSALEDGER II™

The Most Versatile Accounting System Available for Your Microcomputer

The Ultimate Check Register System • A Personal Financial Manager • A Professional Business Accounting System • A Complete, Coordinated General Ledger

Only **VERSALEDGER II™** gives you the versatility you need to set up your system the way you want it. With **VERSALEDGER II™** you can:

- Maintain a check register alone, totally independent from the system's general ledger features.
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- Run one or more checking accounts *and* a general ledger as a complete, integrated accounting system.
- Get an instant cash balance at any time.
- Distribute a single check to more than one account (*unlimited* multiple disbursements).
- Print checks, check registers, lists of outstanding checks, journal transaction registers, detailed and summary account listings, detailed and summary trial balances, check register posting reports, balance sheets and income statements.
- Design and store *your own formats* for balance sheets and income statements!
- Coordinate your system with any of the other four independent modules of the **VERSA BUSINESS™ Series** to handle Accounts Receivable, Accounts Payable, Payroll, and Inventory.

VERSALEDGER II™ can take full advantage of your system's capacity. It can store up to:

- 615 accounts and 300 transactions per month on single density 5.25-inch drives (TRS-80 Model I)
- 615 accounts and 2400 transactions per month on the TRS-80 Model III or IBM PC
- 1000 accounts and 6000 transactions per month on the TRS-80 Model II
- 615 accounts and 500 transactions per month on the APPLE II
- 1000 accounts and 3000 transactions per month on single density 8-inch CP/M
- Virtually unlimited capacity on hard disk systems

(The above figures are estimates—storage capacity depends on the configuration of your systems.)

VERSALEDGER II™ is easy to learn and easy to use. The comprehensive 156-page user's manual provides first-time users with a complete overview of the system, and clear, well-organized descriptions of every function of the system. After gaining some experience, you will still find the manual to be very useful as an excellent quick-reference guide to the system. The manual acts as a step-by-step instructional text that makes use of *complete sample data files supplied on diskette* and refers to 51 pages of *sample reports*. Even if you've never used a computer before, you'll be running **VERSALEDGER II™** like a pro in just one afternoon!

VERSA RECEIVABLES™

VERSA RECEIVABLES™ is the complete accounts receivable system that will handle your invoicing and billing operations and provide you with a clear picture of the flow of money owed to your company. **VERSA RECEIVABLES™** will store a complete history for each of your customers and show you *who* owes your company money, *how much*, and which customers are delinquent in their payments.

VERSA RECEIVABLES™ will:

- Keep a complete history on each account, both current and aged.
- Print invoices and statements on preprinted forms (available from New England Business Service).
- Allow you to enter invoices manually, or take product and pricing data from **VERSA INVENTORY™** files.
- Generate periodic statements at any time.
- Bill your customers automatically (if desired).
- Allow partial payments on open invoices.
- Print all needed accounts receivable reports, including complete transaction reports, customer data sheets, and detailed aging reports.
- Print customer mailing labels.
- Integrate with **VERSALEDGER II™**

VERSA RECEIVABLES™ maximizes the storage capacity of your system. It will store

- 400 customers and transactions per month on single density 5.25-inch drives (TRS-80 Model I)
- 2400 per month on the TRS-80 Model III or IBM PC
- 6000 per month on the TRS-80 Model II
- 600 per month on the Apple II
- 3000 per month on single density 8-inch CP M
- Virtually unlimited storage on hard disk systems

(The above figures are estimates—storage capacity depends on the customer-transaction mix and the amount of disk space available.)

The **VERSA RECEIVABLES™** user's manual (which includes complete sample report printouts) will help you get the system up and running quickly, even if you're a beginner. **VERSA RECEIVABLES™** is ideal for doctors, lawyers and other professionals, small business or large corporations. If your receivables system is giving you headaches, **VERSA RECEIVABLES™** is the cure!

VERSA INVENTORY™

VERSA INVENTORY™ is a complete, comprehensive inventory control system that keeps track of descriptions, pricing, and vendor information for every item in stock, what is being sold (and removed from stock), what stock has been depleted to a user-defined reorder point, and what items are actually out of stock. **VERSA INVENTORY™** also provides you with essential sales reports that tell you how well any particular product has been selling.

VERSA INVENTORY™ will:

- Allow you to instantly add to or deduct from inventory levels.
- Notify you when an item's stock level falls to reorder point (which you have previously defined).
- Store comprehensive data for every item in stock, including item I.D. number, description, vendor I.D., vendor's item number, stock location, department, unit of sale, weight of unit, number of items in stock, number on backorder, reorder level and quantity, items sold period-to-date and year-to-date, latest cost, average cost, last P.O. number and date, expected delivery date, standard and alternate selling prices, and sales period-to-date and year-to-date.
- Print all needed inventory and sales reports, including master inventory listings, items below reorder point, inventory value report, period and year-to-date sales reports, price lists, and physical inventory checklists.
- Allow you to enter and print invoices, automatically depleting stock levels.
- Integrate with **VERSA RECEIVABLES™** (when using the **VERSA RECEIVABLES™** invoicing system). **VERSA INVENTORY™** files are automatically updated.

VERSA INVENTORY™ makes the most of your available disk capacity to figure out the storage limitations of your system, multiply the number of kilobytes of disk storage available by 8, for example, a TRS-80 Model II disk will hold 500K, and will thus allow 4000 inventory items on record. (This method provides an estimate only, actual capacity depends on the configuration of your system.)

The **VERSA INVENTORY™** manual provides first time users with everything they needed to know to run the system. Whether you're running a retail store of a large warehouse, **VERSA INVENTORY™** is perfect for controlling any inventory operation.

VERSA PAYABLES™

VERSA PAYABLES™ is the complete accounts payable system that will help you stay in touch with exactly how much your company owes, to whom, and when payments become due. **VERSA PAYABLES™** stores a complete file of vendors and transactions, helps you select vouchers for payment, and can even print checks.

VERSA PAYABLES™ will:

- Keep complete information on each vendor.
- Keep track of current and aged payables.
- Let you quickly select vouchers for payment, or *automatically* suggest which vouchers should be paid.
- Allow partial payments of vouchers.
- Print checks and a check register.
- Print all needed summary reports, including vendor data and transaction reports, aged payable reports, open voucher reports, and automatic voucher selection reports.
- Print vendor mailing labels.
- Integrate with **VERSALEDGER II™**

VERSA PAYABLES™ maximizes the storage capacity of your system. It will store

- 400 vendors and transactions per month on single density 5.25-inch drives (TRS-80 Model I)
- 2400 per month on the TRS-80 Model III or IBM PC
- 6000 per month on the TRS-80 Model II
- 3000 per month on single density 8-inch CP M
- 600 per month on the APPLE II
- Virtually unlimited storage on hard disk systems

(The above figures are estimates—storage capacity depends on the vendor-transaction mix and the amount of disk space available.)

With its complete set of sample report printouts, the **VERSA PAYABLES™** manual provides clear and simple instructions to get your system set up and running. **VERSA PAYABLES™** is the accounts payable system designed for any business, large or small.

VERSA PAYROLL™

VERSA PAYROLL™ simplifies your payroll operation by storing all of your employee records, automatically making all payroll calculations, and printing out paychecks and all government-required payroll reports. The user is in control at all times, with the power to verify, and if necessary intervene and alter data on any employee's check before printing it, or to *prevent* a single check from being printed (which allows you to write out an employee's check by hand in advance). With **VERSA PAYROLL™** you can say goodbye to those tedious, time-consuming withholding calculations, and process your payroll in minutes instead of hours.

VERSA PAYROLL™ will:

- Print paychecks one at a time, or print an entire payroll at once.
- All you to intervene and alter any figure on any paycheck.
- Give you an instant summary of any employee's year-to-date totals, or totals for all employees.
- Calculate all Federal, State and Local taxes.
- Allow for all standard deductions, plus three miscellaneous deductions.
- Take amounts from different departments to form one paycheck.
- Print all government-required reports.
- Permanently store all payroll transactions.
- Integrate with **VERSALEDGER II™**

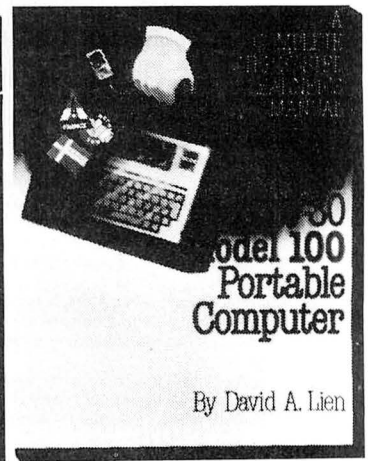
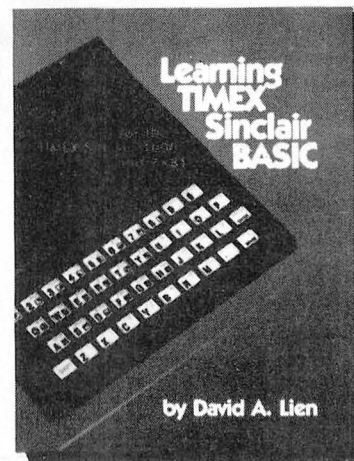
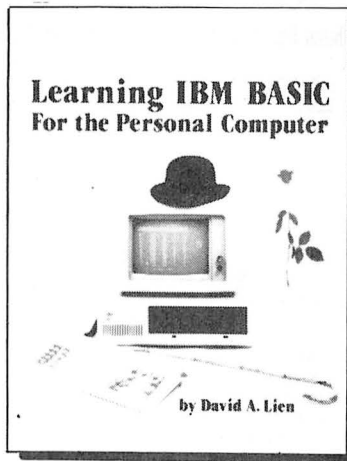
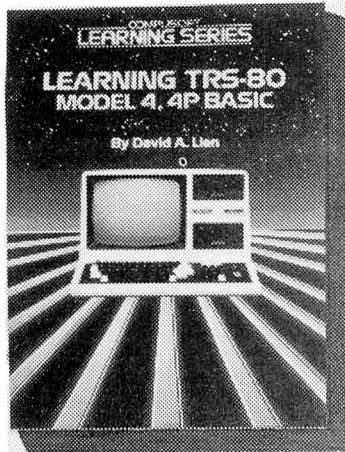
VERSA PAYROLL™ maximizes your system's storage capacity. It will store data for

- up to 300 employees on single density 5.25-inch drives (TRS-80 Model I)
- 600 employees on a TRS-80 Model III or IBM PC
- 1200 employees on a TRS-80 Model II
- 500 employees on an APPLE II
- 600 employees on any single density 8-inch CP M system
- Virtually unlimited capacity on hard disk systems

(The above figures are estimates—storage capacity depends on the configuration of your system.)

VERSA PAYROLL™ comprehensive user's manual is designed to guide even the most inexperienced user and includes complete sample printouts. Whether you have hundreds of employees, or just a dozen, automate your system with **VERSA PAYROLL™**.

Learning BASIC



Learning TRS-80 Model 4, 4P BASIC — A Complete Tutorial

This clearly written manual is a complete self-teaching tutorial for those who want to learn programming skills in BASIC for the Model 4 and 4P. Simple step-by-step instructions and explanations will help you to quickly become familiar with the workings of the Model 4.

Unlike most computer manuals, this book captures and holds your attention like a good novel! You can master TRS-80 BASIC simply and quickly. Learn to utilize the special features of your Model 4 or 4P, such as the new Microsoft BASIC, 80 column screen, advanced editing features and sound capabilities.

Dr. David A. Lien is famous for his clearly understood and entertaining writing style, which always makes his books the perfect choice for beginning and intermediate users.

Learning TRS-80 Model 4, 4P BASIC - 500 Pages \$19.95

Learning TRS-80 Model III BASIC: Includes Model I

The TRS-80 Model I/III is one of the most popular small computers of all time, and now there's a CompuSoft tutorial just for users of this classic system. *Learning TRS-80 Model III BASIC* picks up where the Radio Shack "getting started" manuals leave off, instructing you in a complete course of elementary and intermediate level programming techniques for your Model I/III. It's easy-to-understand tutorial format makes learning simple, whether you're studying at home or in school.

Dr. David A. Lien is uniquely qualified to instruct TRS-80 users, having written the original *Level I TRS-80 Learner's Manual* furnished with all Model I computers and translated into five languages. Simplify your programming and have fun doing it with *Learning TRS-80 Model III BASIC*, the one book no Model I or III owner should be without.

Learning TRS-80 Model III BASIC: Includes Model I \$19.95

Learning IBM BASIC — The Most Comprehensive How-To Book on IBM BASIC

The IBM PC is fast becoming one of the most popular computers on the market, and this new release from Dr. David A. Lien is a comprehensive how-to book that helps you get the most from your PC. This complete BASIC tutorial, first in the CompuSoft Learning Series for the IBM Personal Computer, puts your PC to work while you learn BASIC from a proven master of the language. Learning is a relaxed and enjoyable experience as you follow easy, step-by-step instructions. Even if you're completely new to computers, you'll soon be writing custom software using Dr. Lien's easy-to-follow techniques.

Dr. Lien's reputation as a leader among technical authors is your assurance of success on the IBM PC. His BASIC books have guided hundreds of thousands of people to computer competency. His unique approach, which anticipates readers' questions and problems, is aimed at computer beginners, making *Learning IBM PC BASIC* an ideal classroom tool.

The tremendous response that *Learning IBM BASIC* has generated from PC dealers and booksellers is a clear indication that Dr. Lien's book has been well worth waiting for. If you've been disappointed or confused by other IBM PC handbooks, don't give up hope! Order *Learning IBM BASIC* today, and you'll soon be on your way to acquiring programming skill and confidence on your PC.

Learning IBM BASIC, 450 Pages \$19.95

Learning Timex Sinclair BASIC — An Uncomplicated Approach to Learning BASIC

The Timex Sinclair 1000 and Sinclair ZX81 have opened the world of personal computer to a whole new range of users. *Learning Timex Sinclair BASIC* is a full-length book designed to help those with no prior computer knowledge to enjoy full use of their Model 1000 or ZX81.

Dr. David Lien, one of the computer industry's most respected authors, brings his unique, straightforward style to this latest release from CompuSoft. *Learning Timex Sinclair BASIC* is particularly well-suited to beginning computer users. It explains each step clearly and completely, offering special Question and Answer sections at the end of many chapters to test the reader on important points.

Find out how to get the most out of your Timex Sinclair, and learn to create your own programs at the same time! Make operating your computer relaxing, easy and fun. Dr. Lien shows you how -- even if you're completely new to computers. Order *Learning Timex Sinclair BASIC* today!

Learning Timex Sinclair BASIC — 350 Pages \$14.95

The TRS-80 Model 100 Portable Computer — A Complete Step-by-Step Learner's Manual

Everything you need to know to fully utilize the TRS-80 Model 100 Portable Computer is contained within the pages of this comprehensive tutorial. In his easy-to-understand style, Dr. Lien has written this manual to include the many built-in features of the new briefcase portable. Subjects covered in depth within special sections of the book include: word processing, telecommunications, address book, scheduling and BASIC. Material is presented in a simple format and includes the use of programs printed in a second color for ease of reading.

The TRS-80 Model 100 Computer — 500 Pages \$19.95

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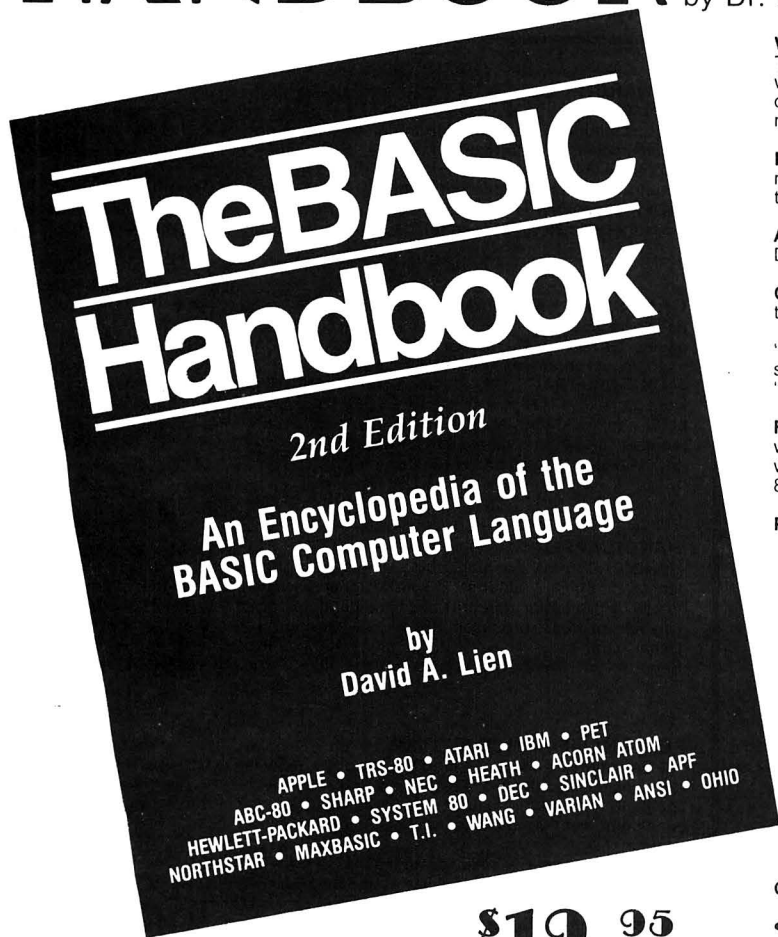
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THE BASIC HANDBOOK

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An Encyclopedia of the BASIC computer language.
by Dr. David A. Lien



(480 pages - Soft Cover) **\$19.95**

The BASIC Handbook has never been this complete. The Expanded Second Edition gives you over twice as much information as the First Edition, explaining nearly 500 BASIC words. The Handbook features special sections on Disk BASIC, TRS-80 Extended Color BASIC, Atari BASIC, Acorn Atom BASIC, Tektronix BASIC and "Converting Programs From One Computer For Another."

The computer industry has experienced tremendous change in the last three years. Hundreds of new computers have been introduced since The BASIC Handbook was released in 1978. The Second Edition meets the challenge head-on, documenting every significant BASIC word used by every BASIC-speaking computer.

This new Edition makes program conversion easy. Its widely acclaimed feature, "If Your Computer Doesn't Have It" has been expanded. Each BASIC word is alphabetically listed, with **Test Programs** and **Sample Runs, Variations in Usage** combine with **Alternate Spellings** to totally cross-reference each BASIC word.

Who needs the BASIC Handbook?

Every user of the BASIC language needs the Handbook! Hobbyists converting between BASIC "dialects" need it. Students learning and using BASIC on any size computer need the Handbook as a supplement to their BASIC language text. Programmers at every level will use it constantly to find better ways to achieve the needed results.

What versions of BASIC does it cover?

There are nearly a **hundred** versions of BASIC in use today. No wonder we keep seeing strange new BASIC words. Dr. Lien has selected over 50 of the most used dialects and explained every commonly used statement, function, operator and command.

Interlocking subroutines: Every subroutine has been constructed so the numbers won't overlap with others in the book. Assemble any combination of the subroutines needed to do the job — with no line conflicts!

Alternate programming techniques: The popular "If Your Computer Doesn't Have It" feature has been expanded throughout the book.

Complete Index: The increased complexity of the language mandated that an index be added.

"Converting Programs From One Computer For Another" This special section provides valuable tips on how to translate a program with a "foreign" BASIC to run on your machine.

Foreign computers: Virtually every BASIC-speaking computer in the world is covered. You need the new Handbook to translate BASIC words used by Britain's Sinclair, Sweden's ABC-80, Australia's System 80, Japan's NEC and many others.

Plus these Special Sections

- ★ **Disk BASIC:** A helpful supplement to your Owner's Manual and a good introduction to the theory of Disk BASIC.
- ★ **TRS-80 Extended Color BASIC:** A comprehensive explanation of Radio Shack's newest BASIC.
- ★ **Atari BASIC:** You see programs written in this popular BASIC in nearly all the magazines. A special section explains its unique words and features.
- ★ **Acorn Atom BASIC:** The Atom is one of Europe's favorites, but its BASIC is very different. It's fully documented in this Second Edition.
- ★ **Tektronix BASIC:** A graphics-oriented BASIC used extensively by engineers and scientists.

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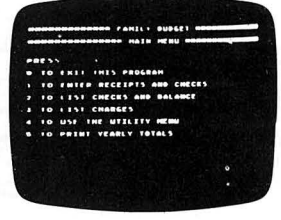
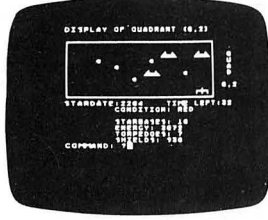
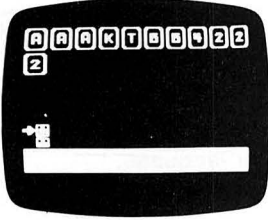
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BRIDGE MASTER

BRIDGE MASTER is our most popular DYNACOMP program--a comprehensive bridge program designed to provide hours of challenging competition. The program plays the North hand as your partner and East-West as your opponents. Bidding features include the Blackwood convention. Stayman convention, preemptive openings, and recognition of demand bids and jump-shift responses. The program saves the scores to a disk file and can display the last hand played--so you can come back to a game at any time. Requires 24K memory (48K on Atari). **Price: \$29.95** (diskette), **\$32.45** (8" CP/M disk).

BLACKJACK COACH

Learn and practice your blackjack skills with the "Coach" giving advice. Test various playing and betting strategies. Program will analyze just which parts of your strategy work and which do not. Includes 30-page tutorial manual. **Price: \$29.95** (cassette), **\$33.95** (diskette), **\$36.45** (8" CP/M disk). (Not available for ATARI or NEC)

FLIGHT SIMULATOR

This realistic mathematical simulation allows you to take off, fly, navigate, and land an airplane. The FLIGHT SIMULATOR realistically portrays the problems associates with stalls, landing with the nose wheel first, crosswinds, etc. You can practice touch-and-go landings, take a cross-country trip, or just practice exercising the flight controls; flaps, trim, elevators, ailerons and throttle. All versions run in 16K memory. **Price: \$19.95** (cassette), **\$23.95** (diskette), **\$26.45** (8" CP/M disk).

STARBASE 3.2

This is a new and exciting program related to the classic "Star Trek" type computer simulations of interstellar warfare, with many significant enhancements. Your tactics and strategy are put to the ultimate test as you direct your forces in a conflict on a battlefield that stretches across light-years of space. **Price: \$13.95** (cassette), **\$17.95** (diskette), **\$20.45** (8" CP/M disk).

SPACE LANES

SPACE LANES is an exciting simulation of the economics of the space transportation industry. The object is to establish and expand space transportation companies in a competitive environment. The success of a particular company is measured by the extent of its space lanes, and reflected in the value of its stock. The computer is one of the players, and up to three additional players are allowed. The galaxy is displayed on a 9 by 18 grid, showing star bases, space lanes, and remote space stations. Up to five companies may be in operation at one time. **Price: \$10.95** (cassette), **\$14.95** (5 1/4" diskette), **\$17.45** (8" diskette).

BACKGAMMON 2.0

This program tests your backgammon skills and will also improve your game. You can choose to compete against the computer or against another person, and the computer can even play itself! Either the computer or human can double or generate dice rolls. Board positions can be created or saved for replay. BACKGAMMON 2.0 is played in accordance with the official rules of backgammon, and is sure to provide many fascinating sessions of backgammon play. Requires 16K (Atari requires 24K). **Price: \$19.95** (cassette), **\$23.95** (5 1/4" diskette), **\$26.45** (8" diskette).

VALDEZ

VALDEZ is a simulation of supertanker navigation in the Prince William Sound area of Alaska. It contains a detailed analysis of ship response characteristics, as well as a model of tidal patterns in the Sound. Navigation is aided by a variable range radar display which shows the land masses and other traffic (ships and icebergs). A unique feature of this simulation is the 256-by-256 element map employed, which greatly enhances the realism of the program. Requires 16K (Atari requires 24K). **Price: \$19.95** (cassette), **\$23.95** (5 1/4" diskette), **\$26.45** (8" diskette).

MONARCH

MONARCH is a brain teaser! You have just been elected the Ultimate Ruler of your own country. It is your job to decide the country's budget. Your country's income comes from farm produce and tourism. Half your land is farmland, which also has excellent mineral content. It is up to you to decide how to manage the country's economy and to redistribute the wealth to your countrymen. Can you keep your countrymen happy enough to last in office for eight years? **Price: \$14.95** (cassette), **\$18.95** (5 1/4" diskette).

GAMES PAC I and GAMES PAC II

Each of these packages contains an exciting cross-section of traditional computer games. GAMES PAC I includes CATAPULT and LUNAR LANDER; an excellent mathematical brain teaser, SWITCH; and entertaining gambling games: BLACKJACK, HORSE RACE, CRAPS, and SLOT MACHINE. GAMES PAC II includes the word game JOTTO; card games ACEYDEUCY and CRAZY EIGHTS; the game of LIFE; and WUMPUS, NUMBER GUESS, and CALENDAR. Each GAMES PAC requires 16K (Atari requires 24K). **Price: \$14.95 EACH** (cassette), **\$18.95 EACH** (5 1/4" diskette), **\$21.45 EACH** (8" diskette).

HANDICAPPER

HANDICAPPER is a handicapping scheme designed for thoroughbred races of lengths 6, 6 1/2 or 7 furlongs. It was designed by a mathematician and has been tested by professional bettors and handicappers. In general, the HANDICAPPER can be expected to produce the winning horse about 40% of the time (according to DynaComp, Inc.). However, in certain instances it can be far more accurate. Requires 16K. **Price: \$29.95** (cassette), **\$33.95** (5 1/4" diskette), **\$36.45** (8" diskette).

PERSONAL FINANCE SYSTEM

The Personal Finance System (PFS) offers the user of the most complete financial management packages available, allowing the individual or small businessman complete flexibility in maintaining all aspects of financial record-keeping. Depending on configuration, you will be able to store from 300 to 2000 transactions on each disk.

Records are easily entered into the master file and can be accessed by payee or by a user-defined code (you may assign up to 26 different categories). PFS will keep track of all tax deductible items, bank deposits, monthly charges, cash payments, etc. It will even automatically deduct any check fees it desired. You will be able to get financial summaries for any category on a per item, monthly, or yearly basis. PFS will print the results in detail or summary form, access the printer if you have one, and even plot the results on a monthly bar graph.

PFS is available on diskette only. The Atari version includes DOS 2.0 on the diskette and utilizes that computer's sound, color, and graphics capabilities. The Atari version requires only 24K of memory, all others require 32K and disk drive. **Price: \$39.95** (diskette), **\$42.45** (8" CP/M disk).

THE FAMILY BUDGET

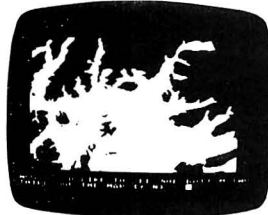
Welcome to the age of electronic record-keeping. The Family Budget Program is designed as a two-part electronic home data record-keeping program. Part One, Budget, is used to record expenditures, both cash and credit, and income on a daily basis for the period of one calendar year. Three categories are used to record tax deductible items, namely Interest and Taxes, Medical Expenses, and Charitable Donations. Part Two, Charge Accounts, provides a continuous record of all credit transactions. Each program provides options for hardcopy printout of various data (in the Apple version it is assumed that a printer is connected to port #1).

You may easily enter, edit, save and recall data, print out selected categories according to transaction period, and much more. Family Budget comes with an excellent 17-page instruction manual. Be prepared for the IRS audit! Requires 16K program memory (Atari version requires 24K). **Price: \$34.95** (diskette)

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MICROCOMPUTER STOCK PROGRAM (MSP)

The MICROCOMPUTER STOCK PROGRAM (MSP) will help you analyze stock prices by providing you with timing signals for purchases and sales. It will provide: buy/sell signals for the last 8 weeks; a volume/price/moving average chart for any 80- or 132-column printer; complete data maintenance facilities, including on-screen viewing and easy editing for adding, changing or deleting data; simple adjustment for stock splits and dividends; price/volume data listed to printer; completely menu-driven operations for ease of use. Cassette version requires 16K, diskette version requires 32K and one disk drive. **Price: \$55.95 (cassette), \$59.95 (5 1/4" diskette), \$62.45 (diskette).**

MICROCOMPUTER BOND PROGRAM (MBP)

MICROCOMPUTER BOND PROGRAM (MBP) is designed to help you evaluate bonds. It provides complete bond data entry, editing, listing and storage capabilities; a flexible analysis environment, including market interest levels and tax rates; bond yields before maturity, showing estimated price, total dividends, and gross yield, bond prices estimated over time, at various market interest rates evaluated to either maturity or early call; bond valuations, showing current yield, and before and after tax yield to maturity. Cassette version requires 16K, diskette version requires 32K and one disk drive. **Price: \$55.95 (cassette), \$59.95 (5 1/4" diskette), \$62.45 (8" diskette).**

TAX OPTIMIZER

TAX OPTIMIZER will evaluate various tax alternatives and to select the most advantageous method for the preparation of an individual Federal Income Tax return. Using this program you can easily determine the advantages of your projected financial decisions and actions. Requires 16K (24K on Atari) and one disk drive. **Price: \$59.95 (5 1/4" diskette), \$62.45 (8" diskette).**

MULTILINEAR REGRESSION (MLR)

This is the third program in the DynaComp Statistics Series. Whereas Regression I and II are designed for analyzing bivariate data, MLR is capable of treating multivariate situations with no limit (other than available computer memory) on the number of dimensions. Requires 16K (24K on Atari). **Price: \$24.95 (cassette), \$28.95 (5 1/4" diskette), \$31.45 (8" diskette).**

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Minimum System Configurations (unless stated otherwise)

IBM PC with PC DOS or MSDOS and PC BASIC
 Kaypro with CP/M and MBASIC
 TRS-80 I/III/4 with 16K Level II BASIC*
 Apple II, IIe with 16K, Applesoft BASIC, DOS 3.2 or 3.3 (state which)
 Atari 400/800 with Atari BASIC cartridge, 16K/24K **
 Osborne with CP/M and MBASIC
 8" CP/M with IBM standard 3740 single density format compatibility and MBASIC
 Commodore/PET with 16K, Commodore BASIC ***
 Xerox 820/820 II with CP/M and MBASIC (8" disk version only)
 NorthStar with 16K free memory and NorthStar DOS and BASIC, OR CP/M and MBASIC.
 NEC PC 8000 with NBASIC or MBASIC (state which)
 Morrow Designs I, II or III with CP/M and MBASIC
 ALTOS with CP/M and MBASIC (8" disk version only)
 Heath/Zenith Z-89 with CP/M and MBASIC (8" disk version only)
 Heath/Zenith Z-100 with ZDOS and ZBASIC
 SuperBrain/Compustar with CP/M and MBASIC
 Cromemco with CDOS and BASIC (8" disk version only)
 Canon AS-100 with MSDOS and MBASIC

* TRS-80 diskettes do not come with TRSDOS or BASIC on them.
 ** Atari programs require 24K.
 *** Commodore/PET diskettes come in 4040 (2040) and C-64 format. They cannot be loaded on 8050 disk drives.

STATTEST

This program performs statistical tests of hypothesis and includes t-tests, chi-square tests, and F-tests as well as simple regression. Data can be entered under program control or directly from tape or disk. Any external file which already contains data in the simple format required may also be used. Tape version runs on 16K TRS-80 Model I or III/4. **Price: \$29.95 (cassette), \$33.95 (5 1/4" diskette), \$36.45 (8" diskette).**

REGRESSION II (PARAFIT)

PARAFIT is a parametric least squares regression program designed specifically for the determination of the non-linear coefficients in complicated mathematical expressions. This is in contrast to the linear polynomial coefficients calculated by Regression I. Requires 16K (24K on Atari). **Price: \$19.95 (cassette), \$23.95 (5 1/4" diskette), \$26.45 (8" diskette).**

REGRESSION I

This is a complete and coordinated regression curve fitting package for the analysis of linear and non-linear, one-dimensional data. The user is given considerable freedom in experimenting with fitting functions and orders of approximation. Requires 16K (24K on Atari). **Price: \$19.95 (cassette), \$23.95 (5 1/4" diskette), \$26.45 (8" diskette).**

BASIC STATISTICAL SUBROUTINES (Vol. I)

This is a collection of statistics routines. The routines are written in BASIC and can be called from an easy-to-use menu. Full facilities for data storage, retrieval and editing are provided. Includes 29 statistical tests and a 100 page manual. Requires 32K, one disk drive. **Price: \$99.95 (diskette).**

BASIC SCIENTIFIC SUBROUTINES (Vol. I)

This package provides the user with an invaluable library functions in BASIC, including: alphanumeric data plotting, complex variables, vector and matrix operations, random number generators and series approximations. Requires 16K (24K on Atari). **Price: \$44.95 (cassette), \$53.95 (5 1/4" diskette), \$59.95 (8" diskette).**

BASIC SCIENTIFIC SUBROUTINES (Vol. II)

This second volume of scientific subroutines includes routines for: least squares approximation, series approximation techniques, functional approximations by iteration and recursion, CORDIC approximation techniques and alternatives, table interpolation, differentiation and integration, finding the real roots of functions, finding the complex roots of functions and optimization by steepest descent. **Price: \$99.95 (cassette), \$129.95 (5 1/4" diskette), \$144.95 (8" diskette).**

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Identical to small business receivables (rapidforms version) except that customer statements are printed on tractor fed index cards. Small business receivables prints the statement and the mailing address. Place a stamp on the statement and mail it (no envelope is required). A duplicate statement is printed for the user's records.

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SMALL BUSINESS INVOICING (RAPIDFORMS)

Every one of your customers should get a receipt for every purchase. Our small business invoicing software will allow you to instantly give your customers a professional looking invoice. These low cost invoices are available through rapidforms. Small business invoicing can be used in conjunction with small business receivables.

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Identical to small business invoicing (rapidforms version) except that receipts (invoices) are printed on 4" x 6" tractor feed index cards. Small business invoicing prints any number of duplicate receipts or invoices. Additional receipts or invoice copies may be kept for your business records.

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SMALL BUSINESS INVENTORY

Small business inventory allows the user to instantly access any inventory item. Find out how many items you have left of a particular item. What's the selling price? What's your cost. Keeps track of reorder points so you know when to reorder an item. Prints out summaries of all items of just those items that you must reorder.

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For Personal use or use by a real estate agent. Enter the loan amount, interest rate and time period. The mortgage calculator instantly calculates your payments. Any variable can be changed. Even more, the mortgage calculator can give you a month-by-monthly summary of your loan (from beginning to end). Check out your outstanding loan balance at any time.

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THE REAL ESTATE ANALYST

How much money can you spend on a home purchase? This program is specifically directed at real estate agents but is great for personal use. Enter your client's name, address, current income information, and amount of money currently used for apartment rental. The real estate analyst determines how much money can be spent on a home purchase.

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THE FINANCIAL CALCULATOR

A comprehensive menu-driven financial calculator that calculates any financial function consisting of present value, interest, future value, payments and number of periods. Prepare complete schedules (such as amortization and loan reports) on screen or on your printer. Any variable can be changed at any time to give alternative solutions.

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MAIL PAC I

This is an in-memory mailing list program that stores up to a four line address. You can change, delete from or add to your file at any time. Prints names and addresses in either list form or on 1-across mailing labels. Can be used independently or with our index card writer or transgrams writer to mail out form letters.

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INDEX CARD WRITER (Compatible with Mail Pac I)

Can be used in conjunction with Mail Pac I. Use this program to write form letters which are printed on tractor-feed index cards. Place a stamp on the index card and you can quickly send a message to your entire mailing list. Use the index card writer to print your message on the front of each index card, and use Mail Pac I to address the reverse side.

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Includes all the functions available in the personal check register. But home budget performs additional financial functions such as budgeting available money on a monthly and yearly basis. Keeps track of all income and expenses. You may use program-defined income and expense categories or customize the software by defining your own categories.

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MULTIPLE CHOICE QUIZ WRITER



Outstanding software for teachers, parents, or students. Allows the user to easily create multiple choice or true-false tests. User selects number of questions and number of alternative solutions. The multiple choice quiz writer stores your test forever. Can be used with or without a printer. User can opt for random questions.

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THE HORSE COMPUTER



We don't recommend betting on horses, but this program really works. Its purpose is to give a class rating for each horse entered in a race (either trots or thoroughbred). The user instantly determines which horses are running out of their proper class and eliminates these horses from contention. This easy-to-use system is based on pure science.

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This program is based on scientific fact and is not a horse racing system. This software is used to adjust the past speed of every horse in a given race due to a change in distance. This speed factor is one of the most important factors affecting the results of a thoroughbred race. Can be used in conjunction with the horse computer.

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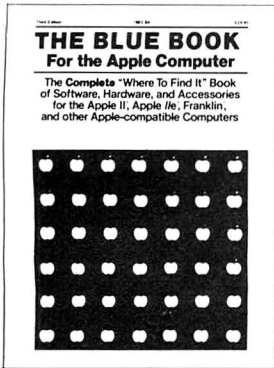
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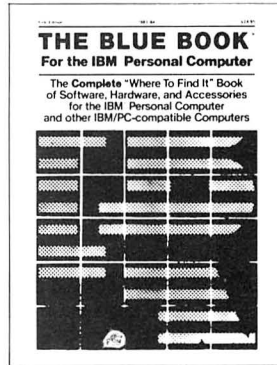
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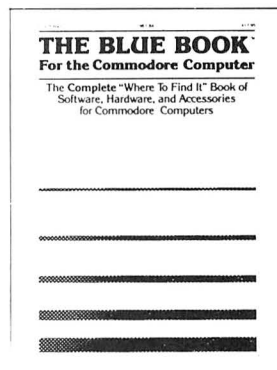
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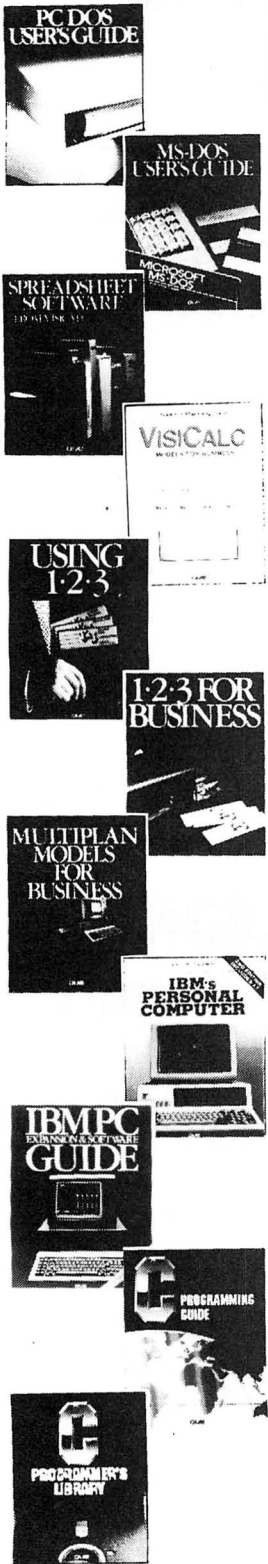
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WordStar Options:

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This WordStar option is your "proofreader on a disk." It rapidly compares every word in your document against a list of the 20,000 most commonly used English words. When it reaches a misspelled word, SpellStar flags the mistake. You can change the word, leave it as it is, or add it to the dictionary if it is some special term that you don't want flagged again. If error-free documents are important for you, then SpellStar is a WordStar option that's a must!

SpellStar (requires WordStar)\$150

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This WordStar option is a multi-purpose file merging program which helps you produce customized form letters for mass mailings. It will print names and addresses on each letter, and insert anything you want into the body of each letter to create customized versions for each recipient. MailMerge can also merge sections of different documents into one, or create mailing labels and invoices from DataStar files. When a mass mailing involves several steps, you can give MailMerge the instructions in advance, and MailMerge will complete the task while you get on with other business. Data can be inserted from a separate file or from the terminal while you are printing. MailMerge will automatically reformat the inserted item to fit the rest of your document.

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Even though InfoStar is easy to learn and use, it has the most powerful features available in a database system, including: a screen editor for creating data entry forms, the fastest sort in any microcomputer database system (will sort on 32 fields simultaneously), transactional updating (which revises multiple files automatically), and 200 editing mask combinations for accuracy. InfoStar can also exchange data with the WordStar, CalcStar and PlanStar programs.

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Of course, CalcStar is easy to learn and use. Condensed Help menus can be displayed onscreen and complete Help menus are just a keystroke away. A handy reference card and a step-by-step User's Manual take you smoothly through the basics and into CalcStar's advanced functions.

You get power and flexibility with CalcStar. Column widths can vary from 3 to 63 characters. The four traditional four math functions are provided, plus advanced capabilities, including logarithms, exponents and linear regression. And edit line can be used for "scratchpad" calculations, which are not entered in the spreadsheet.

The Automatic Form mode moves the cursor from one location to another automatically, requiring the user to input data at each location. This feature can be preformatted, so that your support staff can do routine updates to your spreadsheet without accidentally changing your model.

Naturally, CalcStar is compatible with WordStar, so you can put your spreadsheet into a finished report, complete with boldfacing, underlining, and other special print features.

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PlanStar is sophisticated, yet so easy to use that you can construct models that lead your clerical staff through routine data entry and report generation. PlanStar's editor uses familiar WordStar commands. The PlanStar window lets you view and modify data as you would with CalcStar. Move data directly from an InfoStar, CalcStar, or DataStar file straight into a PlanStar model. Merge PlanStar graphs and reports with WordStar files, to give your final reports a truly professional appearance.

PlanStar's Sensitivity Analysis command can automatically vary any of your input data to see what the net effect is on your bottom line. Goal Seeking lets you specify the desired bottom line and PlanStar works backwards to find starting conditions and assumptions to meet the desired goal. Advanced financial functions include leads and lags, positive and negative values, inflation, discounting, net present value, rate of return, amortization, depreciation, moving average, regression, and more. PlanStar can even be used to produce line plots and bar charts to illustrate important areas of your reports.

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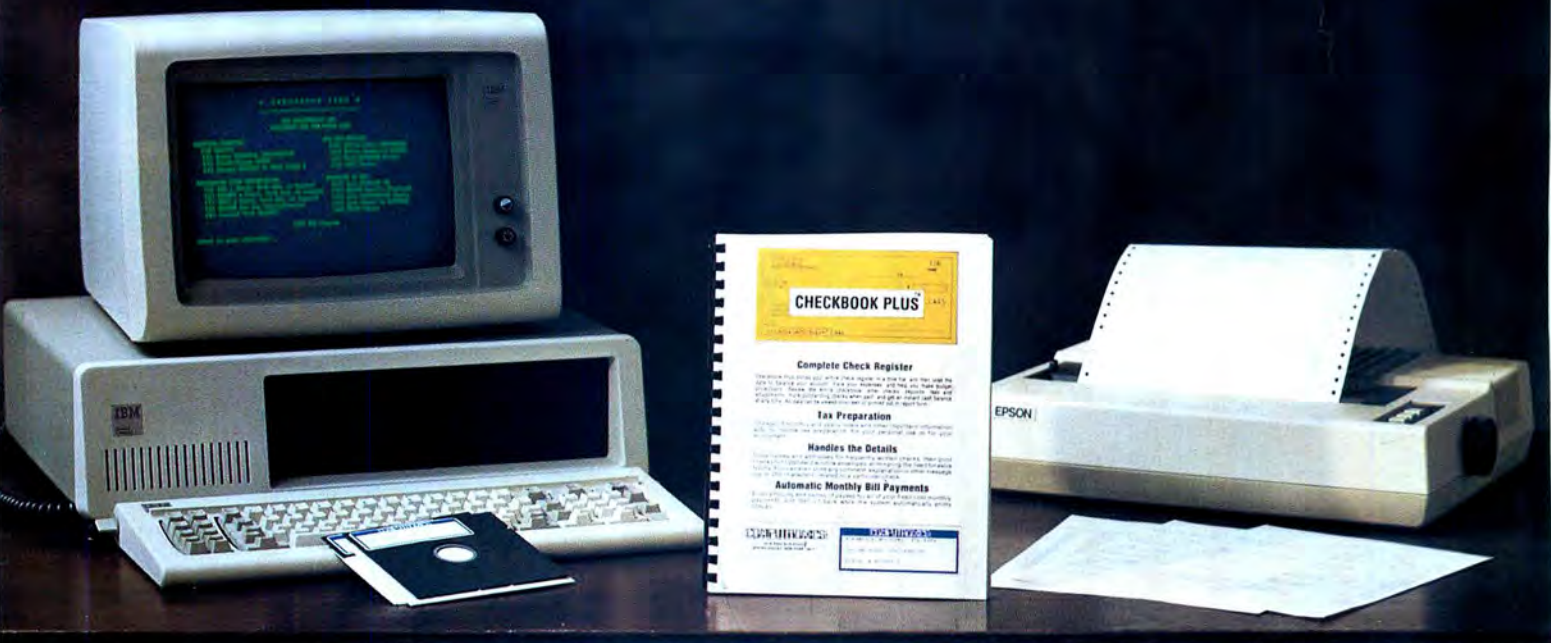
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2 ANNU1	Annuity computation program
3 DATE	Time between dates
4 DAYYEAR	Day of year a particular date falls on
5 LEASEINT	Interest rate on lease
6 BREAKEVN	Breakeven analysis
7 DEPRSL	Straightline depreciation
8 DEPRSY	Sum of the digits depreciation
9 DEPRDB	Declining balance depreciation
10 DEPRDDB	Double declining balance depreciation
11 TAXDEP	Cash flow vs. depreciation tables
12 CHECKK2	Prints RAPIDFORMS checks along with daily register
13 CHECKBK1	Checkbook maintenance program
14 MORTGAGE/A	Mortgage amortization table
15 MULTMON	Computes time needed for money to double, triple, etc.
16 SALVAGE	Determines salvage value of an investment
17 RRVARIN	Rate of return on investment with variable inflows
18 RRCONST	Rate of return on investment with constant inflows
19 EFFECT	Effective interest rate of a loan
20 FVAL	Future value of an investment (compound interest)
21 PVAL	Present value of a future amount
22 LOANPAY	Amount of payment on a loan
23 REGWTH	Equal withdrawals from investment to leave 0 over
24 SIMPDISK	Simple discount analysis
25 DATEVAL	Equivalent & nonequivalent dated values for oblig.
26 ANNUDEF	Present value of deferred annuities
27 MARKUP	% Markup analysis for items
28 SINKFUND	Sinking fund amortization program
29 BONDVAL	Value of a bond
30 DEplete	Depletion analysis
31 BLACKSH	Black Scholes options analysis
32 STOCVAL1	Expected return on stock via discounts dividends
33 WARVAL	Value of a warrant
34 BONDVAL2	Value of a bond
35 EPSEST	Estimate of future earnings per share for company
36 BETAALPH	Computes alpha and beta variables for stock
37 SHARPE1	Portfolio selection model-i.e. what stocks to hold
38 OPTWRITE	Option writing computations
39 RTVAL	Value of a right
40 EXPVAL	Expected value analysis
41 BAYES	Bayesian decisions
42 VALPRINF	Value of perfect information
43 VALADINF	Value of additional information
44 UTILITY	Derives utility function
45 SIMPLEX	Linear programming solution by simplex method
46 TRANS	Transportation method for linear programming
47 EOQ	Economic order quantity inventory model
48 QUEUE1	Single server queuing (waiting line) model
49 CVP	Cost-volume-profit analysis
50 CONDPFROF	Conditional profit tables
51 OPTLOSS	Opportunity loss tables
52 FQJQJQ	Fixed quantity economic order quantity model
53 FQEOWSH	As above but with shortages permitted
54 FQEQQPB	As above but with quantity price breaks
55 QUEJECB	Cost-benefit waiting line analysis
56 NCFANAL	Net cash-flow analysis for simple investment
57 PROFIND	Profitability index of a project
58 CAP1	Cap. Asset Pr. Model analysis of project

59 WACC	Weighted average cost of capital
60 COMBAL	True rate on loan with compensating bal. required
61 DISCBAL	True rate on discounted loan
62 MERGANAL	Merger analysis computations
63 FINRAT	Financial ratios for a firm
64 NPV	Net present value of project
65 PRINDLAS	Laspeyres price index
66 PRINDPA	Paasche price index
67 SEASIND	Constructs seasonal quantity indices for company
68 TIMETR	Time series analysis linear trend
69 TIMEMOV	Time series analysis moving average trend
70 FUPRINF	Future price estimation with inflation
71 MAILPAC	Mailing list system
72 LETWRT	Letter writing system-links with MAILPAC
73 SORT3	Sorts list of names
74 LABEL1	Shipping label maker
75 LABEL2	Name label maker
76 BUSBJD	HOME business bookkeeping system
77 TIMECLK	Computes weeks total hours from timeclock info.
78 ACCTPAY	In memory accounts payable system-storage permitted
79 INVOICE	Generate invoice on screen and print on printer
80 INVENT2	In memory inventory control system
81 TELDIR	Computerized telephone directory
82 TIMUSAN	Time use analysis
83 ASSIGN	Use of assignment algorithm for optimal job assign.
84 ACCTREC	In memory accounts receivable system-storage ok
85 TERMSPAY	Compares 3 methods of repayment of loans
86 PAYNET	Computes gross pay required for given net
87 SELLPR	Computes selling price for given after tax amount
88 ARBCOMP	Arbitrage computations
89 DEPRSF	Sinking fund depreciation
90 UPSZONE	Finds UPS zones from zip code
91 ENVELOPE	Types envelope including return address
92 AUTOEXP	Automobile expense analysis
93 INSFILE	Insurance policy file
94 PAYROLL2	In memory payroll system
95 DILANAL	Dilution analysis
96 LOANAFD	Loan amount a borrower can afford
97 RENTPRCH	Purchase price for rental property
98 SALELEAS	Sale-leaseback analysis
99 RRCONVBD	Investor's rate of return on convertible bond
100 PORTVAL9	Stock market portfolio storage-valuation program

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MAIL PAC II

MAIL PAC II is a powerful new mailing list system with a built-in word processor that runs on nearly every micro-computer. It combines advanced state-of-the-art features with total flexibility in defining, organizing and printing your lists. And an indispensable on-screen "HELP" feature for beginners makes it easy for anyone to get started quickly and easily. Here are just a few of the reasons that you should let MAIL PAC II take care of YOUR mailing problems.

HIGH CAPACITY:

- The only limitation to list size is your available disk space, and MAIL PAC II is fully compatible with hard disk systems.

INCREDIBLE FLEXIBILITY:

- The maximum length of each record is user-defined from 1-255 characters, and the length of each "field" within the record is completely variable.
- Print your list on 1, 2, 3, or 4-across labels — you define the TAB settings.
- Print your list in directory form with user-defined column widths.
- Print labels (or directories) in Zip Code order.
- Print labels (or directories) in Alphabetical order.
- Print selected groups of labels (or specialized directories) by searching for ANY user-defined code.

EASY TO LEARN, EASY TO USE:

- The MAIL PAC II "HELP" feature is a "manual-on-a-disk" that can be turned on and off. When turned on, complete instructional "HELP" screens will appear to explain every step of the program to beginners. More experienced users may bypass the instructions (and slightly increase program speed) by turning the HELP feature off.
- Simple Menu-driven program design makes it a snap to create new mailing lists, search for and retrieve any name, update and edit old entries, handle changes of address, delete cancelled names, sort lists and create printouts.
- An easy-to-understand operator's manual fully describes every facet of program setup and operation, and also gives many useful hints for efficient organization of your mailing list.

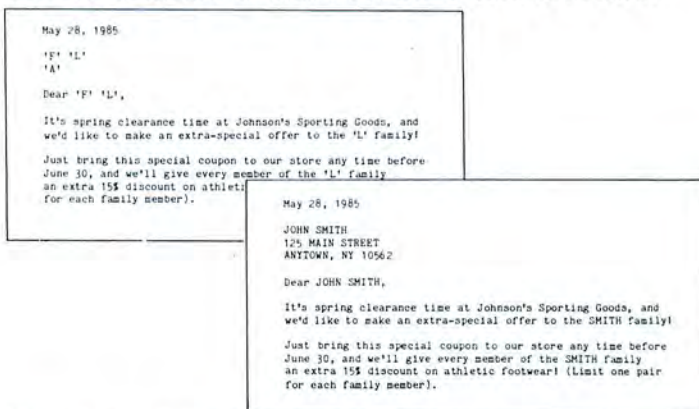
PROFESSIONAL FEATURES:

- MAIL PAC II's "PURGE" feature automatically checks your list for possible duplicate entries (which can become a serious problem in large lists used for direct-mail advertising). If desired, it will automatically delete any EXACT duplicate entry found, and display any pair of entries that are found to be ALMOST identical (giving you the option of deleting one of the entries manually).



FORM LETTER GENERATOR WITH BUILT-IN WORD PROCESSOR:

Use MAIL PAC II's built-in word processor to create individualized form letters that can be printed out for any or all of the addresses in your list. You have full control over the insertion of the first name, last name, and address in each form letter.



You can print letters for all addresses in your list, for selected groups, or just for single addresses. And there's no limit to the number of different form letters you can create and store.

AVAILABILITY:

MAIL PAC II is designed to run on IBM PC/XT, APPLE II, TRS-80 Models I, II, III, 4, 12 and 16 and any CP/M or MSDOS computer.

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- LEGI-SLATE tracks progress of bills moving through the House and Senate. Energy series provides a dozen reports on energy-saving tips for homes and Businesses.
- Nationwide directory of toll-free telephone numbers.
- INFORMATION ON DEMAND gives you access to electronic or hard-copy text of virtually any document or article you want. IOD is available to produce research papers on any topic in every major language.
- A veritable encyclopedia of consumer information is accessible on a long list of subjects including recipes, food and nutrition, choosing wines, home repair and decorating, health care and medicine, movie reviews and much, much more.

Communications

- Electronic Mail puts you in touch with all other subscribers, allowing you to send and receive instant electronic messages.
- Converse "live" with anyone else who is "on-line" at the same time.
- Live "conference calls" with two or more other subscribers simultaneously.
- Bulletin board service lets you post messages or "classified ads" for anyone to see and respond to.
- Send MAILGRAMS directly from your computer's keyboard.

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- BARTER WORLDWIDE, INC., lets you trade goods and services with other individuals or businesses through their worldwide barter network.
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Conference

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Delphi Mail

- A comprehensive private message-delivery system allows you to exchange personal messages with other members, put your mail into files for later retrieval by topic and get a directory of all your mail messages.

Delphi Banking

- Allows you to pay your bills directly from your keyboard, without the hassle of checks, stamps and envelopes. You don't have to keep a balanced check register -- Delphi even reconciles your statement.

The Delphi Library

- A tremendous on-line reference library includes a cross-referenced encyclopedia with information on more than 20,000 topics, a library of financial and statistical programs, and the Research Library -- a vast collection of data from over 200 different databases, which, if produced in printed form, would fill more than a mile of bookshelf space.

News

- An on-line news service that uses the searching and indexing power of the computer to retrieve the stories you want. Accesses all of the major wire services and schedules of events in Washington. When you provide a profile of the topics that interest you, the News service will list all related stories for you.

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- The BAZAAR is a Marketplace where items of all sorts may be offered for bid, sale, lease, etc.
- The CATALOG is like mail or phone order, only quicker. Merchants of everything from computer software to radios may use it for gathering orders without the use of expensive WATS line.
- COMP-U-STORE is a complete shop-at-home service. With it you can comparison shop and then order delivery direct from the manufacturer or distributor at substantial savings (this is a premium service which requires an annual membership fee).

Travel

- This is a collection of services which enables you to review current airline schedules, check on the availability and price of hotel accommodations worldwide and on rental cars through the U.S. That's not all -- you can also use Delphi to place your airline, hotel and car reservations!

Scheduler

- Keeps track of all your appointments, and gives you a list of today's appointments when you sign on.

Programming Languages

- BASIC-Plus-2, COBOL, FORTRAN-77, and Pascal are all available for your use through Delphi, providing mainframe power and massive on-line storage.

Infomania

- This is a collection of publications and services which come from members of Delphi -- an open forum for exchange of information.

Writer's Corner

- A "toolkit" for your use in writing, editing and publishing, from programs to books. Normally, publications submitted by members appear in Infomania. "Best Sellers" from Infomania may find their way to other parts of Delphi, and their authors may be eligible for royalties.

Online Typesetting

- This feature allows you to prepare a text file for typesetting on a high-speed digital phototypesetter in any of 200 different typetypes and sizes. Foreign language symbols, rulings, kerning and expansion can all be accommodated. Finished copy can be returned to you by Federal Express.

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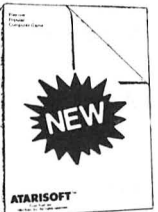
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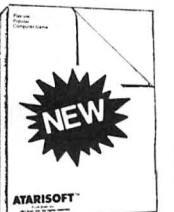
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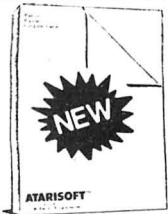
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The WITNESS™ brings the Great Detective Era of the Thirties to life with you as detective. It's a case of blackmail that turns into murder before your eyes, and anyone from the knockout heiress to the poker-faced Oriental butler could be the killer. As in **DEADLINE**, your suspects act with minds of their own, and you have just 12 hours to solve the crime. Armed with a police file packed with crucial physical evidence, you face a tangled web of clues, motives, and alibis, and the only testimony you can trust is that of your own eyes — because you are **The WITNESS**.



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SORCERER™, the second in the *Enchanter* series of adventures in the mystic arts, is now available. Belboz, the Eldest of the Circle, and the most powerful Enchanter in the land, has disappeared. Perhaps he has just taken a vacation, but it wouldn't be like him to leave without letting you know. You remember that he has been experimenting with powerful spells and dangerous demons, and you fear the worst — that Belboz has been trapped by an evil force, and that his magic might be turned against the Circle. And only a powerful Sorcerer can rescue him from a terrible fate!



INFIDEL™, the first action classic from Infocom Tales of Adventure™ finds you marooned by your followers in the heart of the deadly Egyptian Desert. A soldier of fortune by trade, you've come hither in search of a great lost pyramid and its untold riches. Now, alone, you must locate and gain entry to the tomb, decipher its hieroglyphs, and unravel its mysteries one by one. Through the Antechamber, the Barge Room, the Chamber of Ra, death will lick at your heels as you race to the shattering climax of this match of wits between you and the most ingenious architects, builders, and cutthroats of all time — the ancient Egyptians.



STARCROSS™ Infocom's science fiction mind-bender, launches you headlong into the year 2186 and the depths of space, where you are destined to rendezvous with a gargantuan starship from the outer fringes of the galaxy. *PC WORLD* describes **STARCROSS** as "a great game in which to lose yourself," and justly so. For the great spacecraft bears three uniquely intriguing commodities; an alien world, peopled with all manner of other-worldly beings; a remarkably complex, interlocking puzzle to unravel, and a challenge that was issued eons ago, from light-years away — one that only you can meet.



In **SUSPENDED™**, you are buried alive in a cryogenic capsule deep inside an alien world. When an earthquake disrupts the systems of the Underground Complex you inhabit — systems that surface life depends on — you must stabilize conditions. However, you can only do so by commanding your six robots, each of whom perceives the world differently, to perform actions for you. If you save your world from utter destruction, you've just begun. **SUSPENDED** is designed to be replayed numerous times as you learn to optimize your strategies. You can also go on to two more levels of play, and there's even an option that lets you customize the game.



PLANETFALL™ teleports you forward a hundred centuries to a Stellar Patrol ship of the Third Galactic Union, where your rank is Ensign 7th Class — about as low as you can go. But then your luck takes a turn for the better. Your ship explodes. Which really is fortunate, because you're thereupon jettisoned away to a mysterious, deserted world. True, the planet is plagued by floods, pestilence, and a mutant Wild Kingdom. But there's also Floyd, a mischievous multipurpose robot and the ideal companion with whom to brave your new world as you explore its secrets, dare its dangers, and attempt to discover a means of saving it.

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CP/M 8". Kaypro, Osborne, NEC APC or PC-8000. TI Professional, DEC Rainbow or DECmate	\$49.95 ²	\$49.95 ²	\$49.95 ²	\$59.95 ²	\$49.95 ²	\$59.95 ⁴	\$59.95 ⁴	\$59.95 ⁴	\$59.95 ⁴	\$59.95 ⁴	\$59.95 ⁴

1. Not available for Commodore 64
2. Not available for Osborne

3. Not available for TRS-80 I/III/4
4. Not available for NEC PC-8000

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FUNBUNCH

FUNBUNCH is a flexible and effective language arts program available on three levels: FUNBUNCH ELEMENTARY is for grades 1-6, FUNBUNCH INTERMEDIATE is for junior high students and FUNBUNCH COLLEGE PREP is for high school to adult levels. Each program contains over 2000 words, phrases and definitions. The programs also allow you to enter your own words and phrases, and save them on disk to use later. All versions have a built-in printer option which allows the user to list data for further review. Since the display level is variable, FUNBUNCH has proven to be an effective teaching tool for speed reading as well as remediation. There is a built-in Computer Doodle as a reward for creative fun, which helps children develop a positive attitude towards computer learning.

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- FUNBUNCH COLLEGE PREP** \$39.95
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RACE CAR 'RITHMETIC

RACE CAR 'RITHMETIC is a friendly, interactive math game that 1 to 4 racers can play together. Each racer can select his own basic math function, difficulty level and timer option, in a race to the finish line. Better answer quickly, or you'll be forced to make pit stops. As a special motivational reward for a score of 90% or above, the racers have a chance to play a high-speed race car game.

- RACE CAR 'RITHMETIC** \$39.95
(for IBM PC, APPLE, ATARI and COMMODORE 64)

SHIPS AHOY

SHIPS AHOY consists of four different learning games that teach mathematical operations such as addition, subtraction, multiplication and division. Select your own level and specific tables with which to practice and you're off to sail your ship across the screen before the treacherous mine hidden beneath the sea explodes. Choose whether to be timed or not as you try to locate the mine, which contains the missing numbers for mathematical equations displayed on the screen. Sailor Sam will check your answer. A maze game, included as a reward, has you gather sunken treasures and escape the maze before the time is up. Sailing Sketch, a drawing game, is included for creative fun.

- SHIPS AHOY** \$39.95
(for IBM PC, APPLE, ATARI and COMMODORE 64)

TEN LITTLE ROBOTS

Introduce young learners to the computer with TEN LITTLE ROBOTS. It has five different games with colorful graphics and music. An interactive nursery tale helps introduce the child to the concept of subtraction and as the child follows along, he or she will also be learning to read the words by sight, the first step in reading. Count the Robots helps improve counting skills and Robot Addition helps children with large numbers. Robot Letter Match helps children learn the difference between upper and lower case letters, and a unique drawing game, Robot Sketch, lets the child dip a robot in various "paint pots" for creative drawing fun.

- TEN LITTLE ROBOTS** \$39.95
(for IBM PC, APPLE, ATARI and COMMODORE 64)

JUMBLE JET

JUMBLE JET is an exciting educational game that introduces the player to anagrams within the framework of a colorful arcade game. The game action takes place in a cargo plane that contains a group of words. The problem is that the words get jumbled up, and you can't land the plane until you unscramble all of the words. The game comes with a 12 different categories of words in subjects ranging from state capitals and foreign capitals to planets, presidents, and sports. A built-in arcade game, "Air Rescue," is included as a reward for those who can land the plane successfully.

- JUMBLE JET (currently available for APPLE only)** \$34.95

FRACTION ACTION

FRACTION ACTION is a mathematical game for one or two players that teaches addition, subtraction, multiplication and division of fractions. The scene is a ghastly haunted mansion, where you must solve problems in order to make your escape. Multiple graphic screens make the experience vivid, and you can choose from 3 difficulty levels. This program provides the learner with positive feedback — you are given a complete explanation when you make a wrong answer.

- FRACTION ACTION** \$34.95
(available for ATARI, APPLE or COMMODORE 64 only)

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ORGANIZE YOURSELF!



FOR YOUR TRS-80, IBM, KAYPRO, APPLE, COMMODORE, MSDOS or CP/M* COMPUTER

WHAT IS IT?

THE DATA CENTER is a *simple* integrated software package that provides every computer owner with the most essential software for home, personal or business use.

HOW DOES IT WORK?

The complete DATA CENTER is supplied on one diskette. All options are menu driven -- just follow the simple onscreen instructions. You are in control as THE DATA CENTER tells you exactly what to do, step by step.

WHO CAN USE IT?

Everyone who owns a computer! First-time computer owners will find that THE DATA CENTER is easy to use, and advanced users will find that THE DATA CENTER offers a quick alternative to tedious programming.

WHAT DOES IT DO?

THE DATA CENTER addresses your mail, balances your checkbook, keeps track of all of your income tax information, works as a telephone directory and appointment calendar, maintains your household inventory records, keeps track of all of your credit and investment records, and functions as a complete data storage center. And the LIST MANAGEMENT CENTER lets you create personalized functions to fulfill your own unique requirements.

WHAT IS THE LIST MANAGEMENT CENTER?

The LIST MANAGEMENT CENTER is a simple but powerful data management system built into THE DATA CENTER that lets you keep hundreds of separate lists of any kind of information. It allows the user to instantly create a list, edit it, sort the list, perform simple calculations with it, and print out its contents.

The Data Center



101 THINGS TO DO WITH THE DATA CENTER

Mailing Lists • Income Tax Preparation • Budgets • Diet Planning • Appointment Calendar • Telephone Directory • Checkbook Maintenance • Insurance Records • Auto Expenses • Investment Records • Inventory Control • Household Records • Coin Collection Record • Investment Records • Jewelry • Subscriptions • Accounts Receivable • Accounts Payable • Loan Records • Savings Certificates • Trust Funds • Credit Cards • Automobile Service Records • Grocery Shopping Lists • Charitable Contributions • Birth Records • Employment Records • Pet Immunization Records • Vacation Days Taken • Wills • Licenses and Registrations • Passport • Social Security Information • Real Estate • Home Improvements • Stocks and Bonds • Safe Deposit Contents • Messages • Things to Do Today • Health Insurance Medical History • Personal Inventory • Birthdays • Anniversaries • Appliance Service Records • Committees • Business Expenses • Sales Meetings • Family Tree • Life Insurance Policies • PTA Members • Mutual Funds • Oil Changes • Gifts Given • Gifts Received • Emergency Telephone Numbers • Directions to Places • Business Loans • Personal Loans • Things to Do (by Date) • Services Rendered • Personal Library • Stamp Collections • Postal Rates • Credit Card Receipts • Music Collections • Videotape Collections • Monthly Incoming Bills • Monthly Statements • UPS Receipts • Certified Mail Receipts • Dental Appointments • Priorities • Organization Members • Gambling Debts • Outstanding Parking Tickets • Warranties and Guarantees • Home Movies • Slide Collections • Guest Lists • Vacation Itineraries • Reading Lists • Test Scores • Class Assignments • Dispatch Log • Home Energy Consumption Records • Patient Histories • Job References • Reminder Memos • Sales Prospects • Game Scores • Team Rosters • Survey Results • Christmas Shopping Lists • Delivery Route Schedules • Diskette Catalog Listings • Parts Lists • Requisitions • Job Tickets • Bibliographies • Radio Logs • Indexes

AVAILABLE FOR MOST MICROCOMPUTERS.

The DATA CENTER is supplied on diskette and is accompanied by a comprehensive user's guide. TRS-80, IBM, Kaypro, Apple, Commodore, MSDOS and CP/M are trademarks of their respective manufacturers. *CP/M computers must be equipped with Microsoft BASIC (MBASIC or BASIC-80).

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The Data Center \$99.⁹⁵

TAX DEDUCTIBLE (Y/N)

CHECK # A/C # S/C # DATE

701 SW 7 7/3/83

PAY TO THE ORDER OF UNCLE SAM

AMOUNT \$ 1.00

CHECKS DEPOSITS BALANCE

1.00	100.00	99.00
------	--------	-------

SAVED I CHANGE I DELETE I MENU I NEXT I LAST I PRINT I SEARCH

ACCT #	S/C #	ACCT NAME
61	0	FOOD
62	1	CLOTHING
62	1	BEANS
62	2	MEATS
63	0	GAS OIL
64	0	CITY
64	1	HOME
64	2	KIDS
65	0	INSURANCE
65	1	LIFE
65	2	HOME
66	0	VACATION

CHECKBOOK SEARCH MENU

- BROWSE FILE
- SEARCH BY CHECK #
- SEARCH BY AMOUNT
- SEARCH BY DATE
- SEARCH BY PAYEE
- SEARCH BY ACCOUNT #
- SEARCH FOR TAX DEDUCT
- END THIS JOB

STATEMENT OF INCOME AND EXPENSES

DATE ENDED 02/28/83

INCOME

SALARY	750.00
INTEREST INCOME	4500.00
DIVIDEND INCOME	22.00
TOTAL INCOME	5272.00

EXPENSES

FOOD	100.00
CLOTHING	50.00
RENT	250.00
TOTAL EXPENSES	400.00
NET INCOME	4872.00

BUDGET FILE INQUIRY

ACCOUNT NAME

FOOD

ACCOUNT NUMBER

[]

AMOUNT TO BUDGET

[] 200.00

I ADD I CHANGE I DELETE I MENU I NEXT I LAST I SEARCH

CHECK FILE 10/83

FOOD	25.5
POWER	15.7
CLOTHING	9.2
MASTERCARD/VISA	37.8

IN HUNDREDS

IN EXT PAGE OR IE3 ID

RECORD #64

LAST NAME [] FIRST NAME []

ADDRESS 1 []

ADDRESS 2 []

CITY [] STATE [] ZIP CODE []

REF # [] 3001

I ADD I CHANGE I DELETE I NEXT I LAST I SEARCH I PRINT I MENU

JULY 1983

S	M	T	W	TH	F	S
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

BILLS DAY TO DAY (DD) 02:02

I# [] W. WASH

I# [] GAS

PRESS ANY KEY TO CONTINUE

CHECKBOOK MAINTENANCE

This program manages your checks, charges, deposits, and interest quickly and accurately. Includes:

- * Full-screen editing — allows access to all fields.¹
- * Automatic transaction recall — removes any uncertainty from checkbook reconciliation.
- * Continuous balance — each entry automatically balances your checkbook.
- * Supports multiple entry and tax deductible items, credit cards, and automatic transactions.

CHART OF ACCOUNTS

This program provides the user with the utmost in flexibility. Assets, liabilities, equity, income, and expenses are all covered.

- * Up to 99 accounts and 9 sub-categories/account may be defined.²
- * Program comes equipped with 66 standard categories.
- * Store/retrieve personalized chart of accounts.
- * Generate hard-copy report.

CHECK SEARCH

An end to shuffling shoeboxes . . .

This convenient record-retrieval system can locate any transaction through 6 fields. Combined with its automatic sort/search capability is the capacity to generate hard copy reports. Whether it's for the IRS, or the local department store, CHECK SEARCH will find that missing check.

NET WORTH/INCOME-EXPENSE

Know Where You Stand . . .

This program accounts for all transactions that do not flow through your checkbook.

- * Interfaces Smoothly With Existing Checkbook Records
- * Automatically updates each month's changes in assets, liabilities, and net worth.
- * Print individual lists of income and expenses.
- * Generate hard copy financial reports monthly, quarterly, annually.

DETAILED BUDGET ANALYSIS

This program enables you to build your budget records on an account by account basis. Features include:

- * Full-screen editing with add/change/delete
- * Automatic check sort and dump
- * Account-by-account analysis of expenditures.

This menu-driven wonder is accompanied by a comprehensive user-manual complete with system flow-charts and indexing.

Available for ATARI 400/800, Commodore 64/VIC-20, TRS-80 COLOR. TRS-80 COLOR requires Ext. Basic and 16K cassette, 32K diskette. ATARI 400/800 requires 32K (48K version available - please specify) VIC-20 requires 16K memory expansion.

¹ Available on ATARI and COMMODORE formats only.

² Subject to memory constraints.



Complete Personal Accountant™

For TRS-80 COLOR COMPUTER, ATARI 400/800, COMMODORE 64/VIC-20

Let your microcomputer pay for itself

Our COLOR ACCOUNTANT software will automatically manage your money, providing you with the financial information you need.

Standard features include complete checkbook maintenance and flexible chart of accounts, detailed and summary budget analysis, automatic net worth and income/expense calculations, check search, and graphical analysis.

What's more, the COLOR ACCOUNTANT also includes a payments/appointment calendar, mailing list, and the ability to print personalized checks!

BUDGET ANALYSIS

FROM 06/01/83 TO 06/30/83

ACCT	BUDGET AMT	AMT SPENT	%
FOOD	200.00	100.00	-50
CAS	85.00	75.00	-15
RENT	295.00	295.00	100

ASSETS BUDGETED = 2300.00
ASSETS ACTUAL = 1700.00
INCOME BUDGETED = 2200.00
INCOME ACTUAL = 2200.00

JULY 1983

S	M	T	W	TH	F	S
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

BILLS DAY TO DAY (DD) 02:02

I# [] W. WASH

I# [] GAS

PRESS ANY KEY TO CONTINUE

SUMMARY BUDGET ANALYSIS

This program lets you print a summary of your budget so that you can quickly see how closely to budget you are spending at any given time from all of your checking accounts.

PAYMENTS CALENDAR

Schedule Bills In Advance

The payments calendar will keep track of up to 250 separate payments with 32K easily and efficiently, whether they are paid only once, or once a month.

- * Includes full add/change/delete function.
- * Generates hard copy report of all bills.

APPOINTMENTS CALENDAR

Your Own Personal Secretary

The Appointments Calendar will allow you to schedule up to 200 appointments/month with 32K.

- * Full add/change/delete function
- * Ideal Memory-Aid, anniversaries, birthdays, meetings.
- * Generates hard-copy report.

COLOR GRAPH DESIGN PACKAGE

This program displays graphs of any of your financial record files on the screen.

The following relationships are automatically generated.

- * Income accounts to total income.
- * Expense accounts to total expenses.
- * Asset accounts to total assets.
- * Liabilities to total liabilities.
- * Budgeted items to actual amounts spent.

MAILING LIST

This powerful program is ideal for both personal use and small business. Features include:

- * Up to 600 mailing records/diskette.
- * Global sort and search capacity on all fields.
- * Prints individual records or complete files to screen or printer.

The Complete Package cassette \$79.95 diskette

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MATHEMATICAL APPLICATIONS SYSTEM

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VISA

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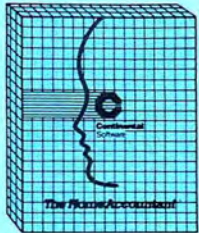
- * ADD \$3.00 FOR SHIPPING IN UPS AREAS
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The Home Accountant™



THE JOHNSON FAMILY
PERSONAL BALANCE SHEET
DEC 31, 1981

THIS MONTH LAST MONTH NET CHANGE

ASSETS			
CHECKBOOKS			
M. JOHNSON	1500	1000	500
B. JOHNSON	1000	750	250
TOTAL	2500	1750	750
LIABILITIES			
MORTGAGE			
WALTER	400	200	200
JOHN	200	150	50
TOTAL	600	350	250
NET WORTH			
TOTAL	1900	1400	500

THE JOHNSON FAMILY
PERSONAL INCOME STATEMENT
MONTH ENDED DEC 31, 1981

THIS MONTH LAST MONTH NET CHG.

INCOME			
TOTAL YEAR			
NET WORTH	14,000	10,000	4,000
INTEREST	100	50	50
STOCK DIVIDENDS	50	25	25
TOTAL	1500	750	750
EXPENSES			
FOOD	400	350	50
TRANSPORT	200	150	50
UTILITIES	150	100	50
TOTAL	750	600	150
NET INCOME	750	150	600

FOR THE HOME:

In today's turbulent financial world, knowing where you stand financially is not a luxury but an absolute necessity. *The Home Accountant* is the program to assist you in getting your financial house in order and keeping it there.

FOR THE BUSINESS:

For those professionals and/or small businessmen whose needs do not require a full computerized accounting system (i.e. accounts receivable, accounts payable, etc.), *The Home Accountant* provides the ideal solution for keeping track of your income and expenses.

WHAT DOES THE HOME ACCOUNTANT DO?

- Handles cash, checkbooks, credit cards, and other liabilities and expenses.
- Prints a balance sheet.
- Prints a net worth statement.
- Prints checks if desired.
- Provides fast bank reconciliation.
- Keeps track of up to five checkbooks.

- Custom retrieval allows you to search out and/or print out just the information that you need (e.g. all transactions that might have a tax consequence).
- Supports almost all printers.
- Allows automatic transactions. +
- Maintains transaction history.
- Provides graphics for any category by bar graph, line graph, and/or trend analysis.
- Provides forecasting ability: future value, establish future financial goals, allows analysis of financial assumptions. +
- Maintains up to 200 budget categories. +
- Supports floppy and hard disks. +
- Allows up to 2,000 transactions per floppy disk, 30,000 on hard disks. +
- Will transfer tax information directly to *The Tax Advantage*.

+ Features differ according to computer. Some features not available on all computers.

SYSTEM REQUIREMENTS:

- 48K Apple II/IIe, one or two disk drives, printer (132 col. optional)
- 48K Atari 400/800/1200XL, one or two disk drives, printer (132 col. optional)
- 128K IBM PC/XT jr., DOS 1.1, 2.0 or 2.1, 2 double-sided disk drives, 1 display card (monochrome or color), printer (132 col. optional). DOS 2.0 or 2.1 require double-sided disk drives (or hard disk)
- 64K Epson QX-10 as shipped by manufacturer, printer (132 col. optional)
- 128K Wang Personal Computer, two disk drives, printer (132 col. optional)
- 128K Texas Instruments Pro, MS-DOS, MS-BASIC, one or two drives, printer (132 col. optional)
- 64K Osborne 1/Executive I, two single or double-density disk drives, printer (132 col. optional)
- 64K Commodore, one or two disk drives, printer (132 col. optional)
- 48K TRS-80 III/4, two disk drives, printer (132 col. optional)
- 128K Zenith 100/110, Z DOS, Z BASIC, one or two disk drives, printer (132 col. optional)
- Standard KayPro II as shipped by the manufacturer, printer (132 col. optional)

<i>The Home Accountant</i>	PRICE	AUTOMATIC TRANSACTIONS	INCLUDES FORECASTER	TRANSACTIONS PER DISK	# OF BUDGET ACCOUNTS	TAX-ADVANTAGE COMPATIBLE	COLOR
APPLE II/IIe	\$ 74.95	YES	NO	1,000	100	YES	YES
ATARI 400/800/1200	\$ 74.95	YES	NO	500	50	YES	YES
COMMODORE 64	\$ 74.95	YES	NO	1,000	100	YES	YES
EPSON QX-10	\$ 99.95	NO	YES	2,000	75	YES	NO
IBM JR.	\$ 74.95	YES	NO	2,000	100	YES	YES
IBM PC* double sided/hard disk	\$150.00	YES	YES	2,000 30,000	200* 200	YES	YES
KAYPRO II KAYPRO IV	\$ 99.95	NO	YES	1,000 2,000	75	NO	NO
OSBORNE single/double density	\$ 99.95	NO	YES	500 1,000	75	NO	NO
T.I. PRO double sided/hard disk	\$150.00	YES	YES	2,000 30,000	200	YES	YES
TRS-80 MOD III, IV	\$ 74.95	YES	NO	1,000	100	YES	NO
ZENITH 100, 120 double sided/hard disk	\$150.00	YES	YES	2,000 30,000	200	NO	YES
WANG	\$150.00	YES	YES	2,000 30,000	200	NO	NO

All IBM versions are sold as one package. Differing capabilities depend on your individual hardware configuration.

** Both Osborne versions are sold as one package. Differing capabilities depend on your individual hardware configuration.

All versions require at least one disk drive



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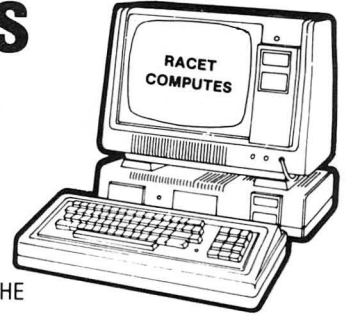
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ABSOLUTELY NO KNOWLEDGE OF MACHINE LANGUAGE IS NECESSARY TO USE ANY OF THE UTILITY PROGRAMS
EACH UTILITY PROGRAM IS CALLED UP FROM BASIC USING THE SIMPLE BASIC COMMANDS PROVIDED
EACH UTILITY PROGRAM COMES WITH A RACET COMPUTES INSTRUCTION MANUAL
EACH INSTRUCTION MANUAL INCLUDES SEVERAL EXAMPLES OF UTILITY USAGE
EACH ALLOWS THE USER TO PERFORM CERTAIN BASIC OPERATIONS TEN, TWENTY OR MORE TIMES FASTER THAN THE EQUIVALENT BASIC ROUTINE

MODEL II FASTBACK—FULL DISK BACKUP IN 55 SECONDS

- IN BUSINESS TIME IS MONEY AND ONE BACKUP IS WORTH A THOUSAND TEARS.
 - Works on systems with 2 or more drives
 - Can replace your existing TRSDOS 1.2 or 2.0 BACKUP utility
- MODEL II ONLY \$75.00

ENHANCED BASIC FOR MODEL II/12/16

- THE MOST POWERFUL BASIC YOU'VE EVER SEEN . . . ENHANCED BASIC features:
- Labelled line references
 - Load/Run programs without closing files or losing variables
 - Improved renumbering — you can even move program lines to a different point in the program
 - Edit program lines without clearing variables
 - Screen scroll protect, reverse scroll, and much more!
- MODEL II/12/16 ONLY \$99.95

MODEL-II UTILITY PACKAGE

- Essential for every MOD-II owner
 - Recover and repair files and directions (by just entering a single command)
 - XCOPY similar to COPY but can copy any number of files at one time faster and more accurate than copy since records are copied in groups rather than one record at a time...using XCOPY you can copy files that cannot be copied using the copy command
 - SZAP provides the capability to read and modify any sector on a diskette
 - XHIT can be used to repair a diskette directory
 - DCS Director Catalog System is a utility for the management of user diskettes...sets of a multiple diskette directory file (with up to 1200 individual file names)...allows selectively listed or printed lists of directory files in combined sorted order (for example, listed alphabetically by diskette...or a composite alphabetical list of all your diskettes!)
 - DEBUG II adds several features to the present TRSDOS DEBUG utility including single instruction cycle, auto (loop) breakpoints, subroutine calling, break-key detection and many others
- MODEL II/12/16 ONLY \$150.00

COMPROC (Command Processor)

- AUTO your disk to perform any sequence of instructions that you normally give from the keyboard (for example, insert the diskette, press the reset button, your command file could automatically show you the directory, show the free space on the diskette, load a machine language subroutine, load BASIC, load and run a BASIC program, and select a given item on your menu...all without touching the keyboard)

MODEL I VERSION \$20.00
MODEL III/4 VERSION \$30.00
NOT AVAILABLE FOR MODEL II

DISCAT (Diskette Catalog System)

- This comprehensive diskette cataloging/indexing utility allows the user to keep track of thousands of programs in a categorized library...file includes program names and extensions program length, diskette numbers and free space on each diskette...keep a complete catalog of the directories on all your diskettes in alphabetical order (sorted on each diskette...or complete alphabetical list of programs on all your diskettes)

MODEL I VERSION \$50.00
MODEL III/4 VERSION \$50.00
MODEL II/12/16 (See MODEL II Utility Package)

GSF (Generalized Subroutine Facility)

- Sorts 1000-element arrays in 9 seconds
- Sorts up to 15 arrays simultaneously (mixed string, floating point and integer)
- Sorts single or multiple substrings as ascending or descending sort keys
- Read and write arrays to cassette
- Compress and uncompress data in memory
- Move arrays in memory
- Duplicate memory
- Fast horizontal and vertical lines
- Screen controls for scrolling the screen up, down, left, right and for generating inverse graphic displays
- Adds PEEKS and POKES (Mod II version only)

MODEL I VERSION \$25.00
MODEL II/12/16 VERSION \$50.00
MODEL III/4 VERSION \$30.00

DSM (Disk Sort Merge)

- Sort an 85K diskette in less than three minutes!
- Sorts large multiple diskette files on a minimum one drive system
- All records are physically rearranged—no key files are required
- Sorts random files created by BASIC, including files containing sub-records spanning sectors
- Sorts on one or more fields in ascending or descending order
- Fields may be strings, integer, binary integer or floating point
- The sorted output file may optionally have fields deleted, rearranged or padded
- Sort commands can be saved for reuse
- Single sort, merge, or mixed sort/merge operations may be performed
- Sorted output may be written to a new file, or replace the original input file

MODEL I VERSION \$75.00
MODEL II/12/16 VERSION \$150.00
MODEL III/4 VERSION \$90.00

SUPERZAP FOR HARD DISK

- SUPERZAP gives you the ability to examine and alter every bytes stored on your entire hard disk. An indispensable tool for repairing damaged files.

MODEL II TRSDOS 4.1 or 4.2 \$100.00
MODEL II CP/M VERSION \$100.00

HSDS HARD DISK DRIVE SOFTWARE

- Makes TRSDOS compatible with most hard disk drives
- Adds many extra features to TRSDOS

STANDARD VERSION \$400.00
VERSION FOR RADIO SHACK HARD DISK \$500.00

MODEL II SPEEDUP—FAST DISK I/O

- THIS IS AN ENHANCEMENT FOR TRSDOS 2.0 THAT WILL RADICALLY DECREASE DISK ACCESS TIME
 - Disks boot faster to DOS
 - Improve disk I/O under BASIC
- MODEL II/12/16 ONLY \$99.95

MOD II BASIC CROSS REFERENCE UTILITY

- List or print a sorted cross reference to all numbers or variables within a program
 - List or print all line numbers containing a specified string of characters
- MODEL II/12/16 ONLY \$50.00

KFS-80 (Keyed File System)

- Create ISAM files (index sequential method)
- Instantly retrieve records from mailing lists, inventory, accounts receivable or virtually any application where rapid access is required to named records
- Provides BASIC programmers the ability to rapidly insert or access keyed records in one or more data files
- Records are maintained in sorted order by a specified key
- Records may be inserted or retrieved by supplying the key
- Records may be retrieved sequentially in sorted order
- Rapid access to any file regardless of the number of records
- Multiple index files can be easily created which allows access of a single database by multiple keys (for example, by both name and Zip Code)

MODEL I VERSION \$100.00
MODEL II/12/16 VERSION \$175.00
MODEL III/4 VERSION \$100.00

REMODEL-PROLOAD

- The ultimate renumbering program...renumbers all or part of a program (allows partial renumbering in middle of programs)
- Partial or complete merge of two cassette programs

MODEL I VERSION \$35.00
MODEL III/4 VERSION \$35.00
NOT AVAILABLE ON MODEL II

COPYSYS

- Copy and verify all machine language (system) tapes written in standard format...if you buy a machine language program, COPYSYS allows you to easily copy the program onto another cassette as a backup

MODEL I VERSION \$15.00
MODEL III/4 VERSION \$20.00
NOT AVAILABLE ON MODEL II

BLINK (Basic Link Facility)

- Link from BASIC program to another saving all variables
- The chained program may either replace the original program or can be merged by statement number

MODEL I VERSION \$25.00
MODEL III/4 VERSION \$30.00
MODEL II/12/16 VERSION \$40.00

INFINITE BASIC

- Adds over 80 commands to BASIC
- Sorting...string centering/rotation/truncation...justification...data compression...string...translation/copying...screen display...scrolling...matrix operations...simultaneous equations (through matrix inversion)...dynamic array reshaping

MODEL I VERSION \$50.00
MODEL III/4 VERSION \$60.00
NOT AVAILABLE ON MODEL II

INFINITE BUSINESS

- Add on package to INFINITE BASIC (requires INFINITE BASIC)
- Adds packed decimal arithmetic with 127 digit accuracy (+,0,*,/)
- Complete printer pagination controls
- Binary search of sorted and unsorted arrays
- Hash codes

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INTRODUCING...

BASIC/S COMPILER SYSTEM

The BASIC/S Compiler System consists of two main programs - BASIC/S and BASIC S II/CMD - along with numerous supplementary files. Both BASIC/S and BASIC/S II are compilers for a large subset of TRS-80 Disk BASIC - the first one, BASIC/S, is itself a BASIC program while BASIC S II/CMD is a machine language version, compiled by BASCOM(c). The difference between them is that BASIC/S supports the full BASIC/S subset, while BASIC/S II is an integer compiler - does not support floating point. Other than that, the two compilers support essentially the same BASIC subset. You get both compilers in one package; in general, one would want to use BASIC/S II (because of its speed), but when your application requires floating point, then BASIC/S is available.

Both compilers will run under virtually any MOD I/MOD III DOS. At least 48K and one disk drive are required to use BASIC/S. Two drives are certainly preferable.

Note: BASIC/S II does NOT run under MOD III TRSDOS.

It will compile up to a 260 line program - compiles directly into a /CMD file, no linking or run time module needed. No royalties are required for programs you write and compile with BASIC/S. The /CMD files created by BASIC/S are very reasonably sized - typically, they are only 1.2 - 2 times the size of your original BASIC source file. Quite often, if your source file is only 1 granule, then so is the /CMD file made by BASIC/S.

The name BASIC/S means BASIC/Subset - it doesn't complete full blown BASIC. It DOES support most of Level II Basic as well as the essential elements of sequential and random disk I/O, including LRL 256. BASIC/S allows dimensioning arrays of all variable types, with up to two dimensions; any one program can have up to 20 arrays. Also, BASIC/S compiled programs can chain from one to another with no loss of variables.

\$35.00

(Includes BASIC/S and BASIC/S II)
BASIC/S Compiler System Manual is available for \$25.00 of which \$10.00 is applicable toward the purchase of the BASIC/S System.

POWERSCRIPT

Powerscript is a modification to Scripsit which enables you to take advantage of the special functions, features, and print formats of your printer while your document is being printed. Allows you to:

change expanded print
change no. of characters per inch
or underline in mid-line!

Features:

- Compatible with all current DOS's (I or III).
- Modifies ALL versions of SCRIPSIT™.
- Allows usage of MOD I version on MOD III.
- Allows MOD III versions to be BACKED UP for your protection.
- Files can be killed, loaded, merged, or chained from Scriplus directory.
- Scriplus supplies an ALPHABETIZED directory with FREE space shown.
- "END" returns to DOS READY instead of rebooting.
- Printer can be stopped for insertion of text or forms alignment. Inserted text can be edited prior to resumption of printing.
- Specifically written for the MX-80 but will work with any printer that accepts CHR\$ codes for control.
- Optionally select line feed after carriage return.

For MOD I/III...\$39.95

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Any current DOS

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EDTASM	Load File

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Announcing

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Maxi Manager

JUST CHECK SOME OF THESE FEATURES

- Supports six different relational search techniques.
- Comes with programmer's interface.
- Over 93 pages of documentation.
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- Record length up to 800 characters.
- Files can be up to four disks in length.
- Compatible 35, 40, 77 & 80 track drives.
- Has calculated equation fields.
- Complete report generator.
- Data can be merged into letters.



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Requires 48K of RAM and 1 Disk Drive Minimum.

New Features Include:

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- RE-WRITTEN USER'S MANUAL
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NOTE 1: File size is dependant on memory size. **\$99.95**
 NOTE 2: Sequential files only.
 NOTE 3: User must apply own driver routine.
 NOTE 4: Hard copy print out only
 NOTE 5: Four functions (+ - * /) only
 NOTE 6: Same as note #5 with a maximum of two calculated fields.
 NOTE 7: Available as a separate program for \$99.95.
 NOTE 8: 120 character maximum.
 NOTE 9: Data structures defined in manual.
 NOTE 10: 132 characters maximum.
 NOTE 11: User option (files can be read from ascending or descending order).

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- Much faster machine code sort routines
- Maximum Field Length 60
- Allows up to 50 fields per record

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DATA MANAGEMENT PROGRAM COMPARISON CHART

FILE CAPACITY & FORMAT

	CCA DATA MANAGER	AIDS III with CALS	MAXI MANAGER	RADEX 10	PROFILE
Maximum # of disks per file	1	1	4	31	4
Maximum # of records per file	2450	Note 1	32,767	10,199	65,535
Maximum record length	249	254	800	255	255
Maximum # of characters per field	249	254	40	254	255
Maximum # of fields	24	20	20	127	153
Maximum # of characters per field label	15	10	19	12	765
Variable length records (pack sectors)	No	Note 2	Yes	No	No

FIELD TYPES

Alphanumeric	Yes	Yes	Yes	Yes	Yes
Numeric	Yes	Yes	Yes	Yes	No
Fixed decimal numeric	Note 4	Yes	Yes	No	No
Date (MM/DD/YY)	Yes	No	Yes	No	No
Extended date (MM/DD/YYYY)	No	No	Yes	No	No
Calculated equation	Note 5	Note 6	Yes	No	No
Permanent fields	Yes	No	No	No	No

SORTING

Machine language assisted	No	Yes	Yes	Note 7	Yes
Sort by any field	Yes	Yes	Yes		Yes
Number of Sort Key files	1	1	5		1
Numeric sort	Yes	Yes	Yes		No
Ascending sort	Yes	Yes	Yes		Yes
Descending sort	Yes	Yes	Note 11		Yes
Sort within a selected range	No	No	Yes		No
Sort multiple fields simultaneously	Yes	Yes	No		No

FILE MAINTENANCE

Fixed length input fields	Yes	Yes	Yes	Yes	Yes
Single key entry of common data	No	No	Yes	No	No
Single field EDIT selection	Yes	Yes	Yes	Yes	Yes
Skip record (next or previous)	Yes	Yes	Yes	No	Yes
Search & EDIT record	No	Yes	Yes	No	Yes
Search & DELETE record	No	Yes	Yes	No	No
Auto rejection of alphanumeric data in numeric field	Yes	No	Yes	No	No

RECORD SELECTION TECHNIQUES

Record number	Yes	Yes	Yes	Yes	No
Binary search (high speed)	No	No	Yes	No	No
Maximum # of simultaneous keys	1	4	10	31	1

RELATIONAL COMPARISONS

Equal	No	Yes	Yes	Yes	Yes
Not equal	No	Yes	Yes	No	Yes
Greater than	No	Yes	Yes	Yes	Yes
Less than	No	Yes	Yes	Yes	Yes
Instring	Yes	No	Yes	Yes	No
AND / OR	No	No	Yes	Yes	No
Wild card masking	No	No	Yes	No	No

PRINTING

User specified page title	Note 8	Yes	Yes	No	Note 10
User specified column headings	No	No	Yes	No	Yes
Automatic page numbering	Yes	Yes	Yes	Yes	Yes
Right justification	No	Yes	Yes	No	No
User defined column widths	Yes	No	Yes	Yes	Yes
User defined column separators	No	No	Yes	No	No
Keyboard entered columnar values	No	No	Yes	No	No
Merge data into form letters	No	No	Yes	No	No
Form filling applications	No	No	Yes	No	No
Columnar totals	Yes	Yes	Yes	No	No
Columnar subtotals generated upon change in a specific field	Yes	Yes	Yes	No	No
Built in screen print	No	No	Yes	No	No

MISCELLANEOUS

Cost	\$75.00	\$94.90	\$99.95	\$99.00	\$79.95
Punctuation allowed within data fields	Yes	?	Yes	Yes	Yes
Upper / Lower case	Note 3	Note 3	Yes	Note 3	Note 3
Built in RS-232-C driver	Note 3	Note 3	Yes	Note 3	Note 3
Built-in TRS-232 driver	Note 3	Note 3	Yes	Note 3	Note 3
Programmer's interface	Note 9	Note 9	Yes	No	Note 9
Sample DATA disk	No	No	Yes	No	No
Documentation (# of pages)	?	?	93	38	29

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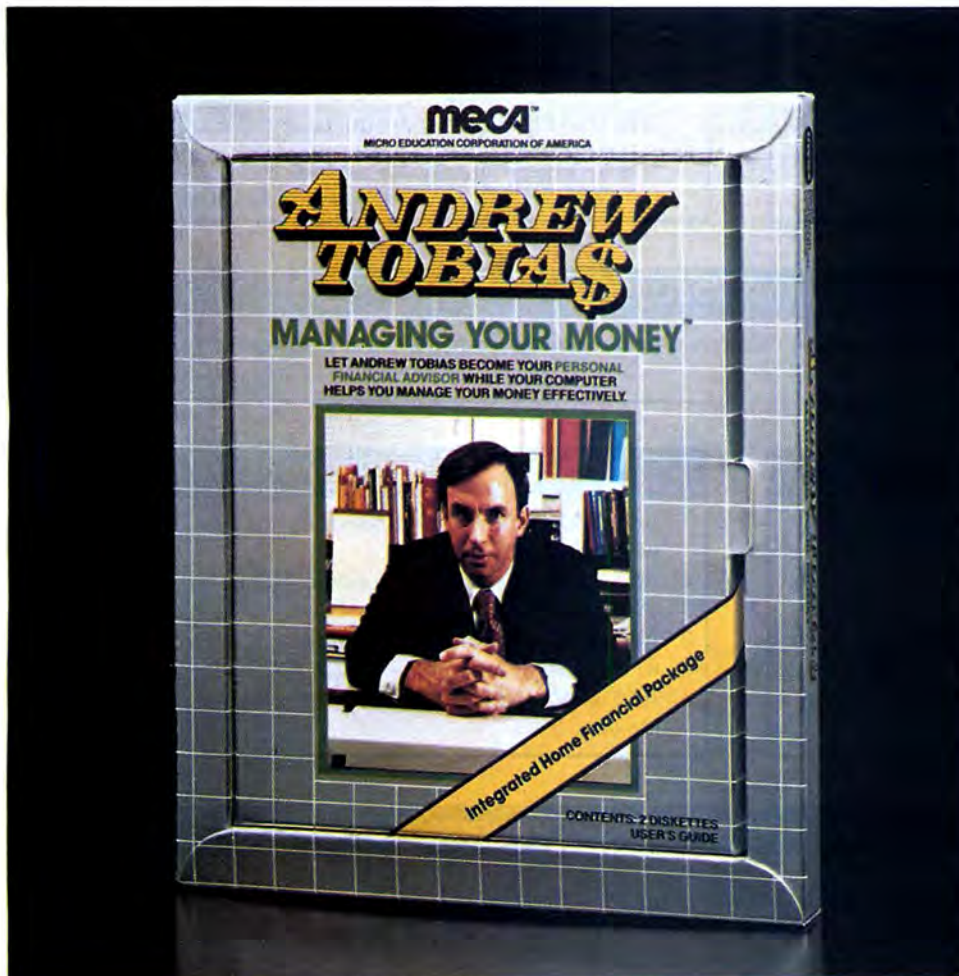
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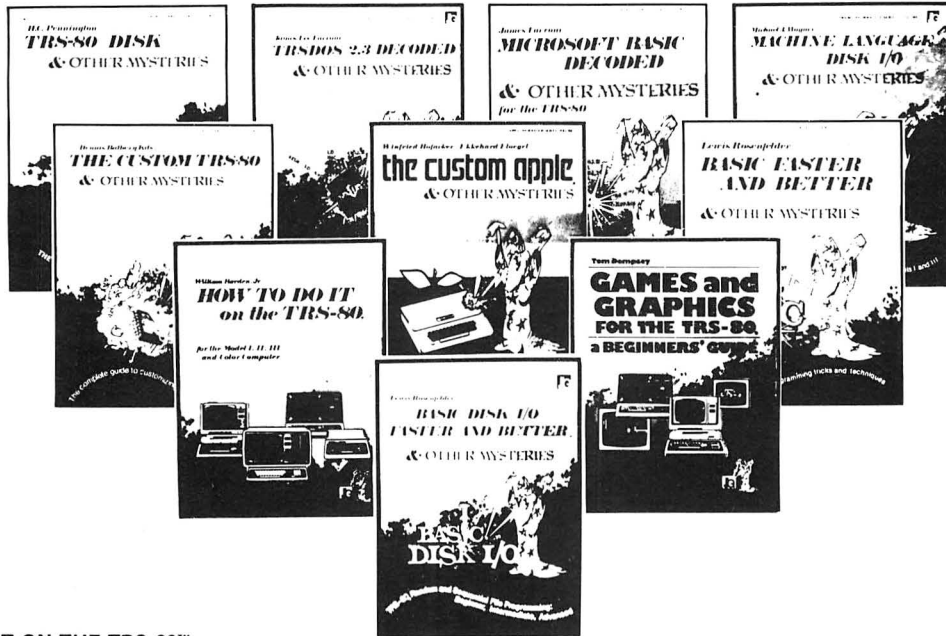
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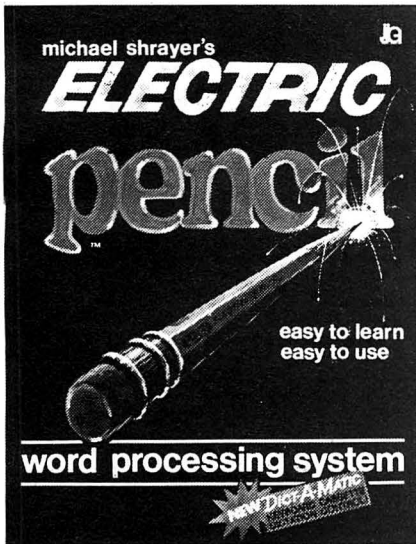
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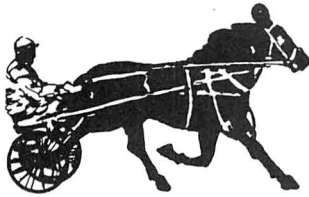
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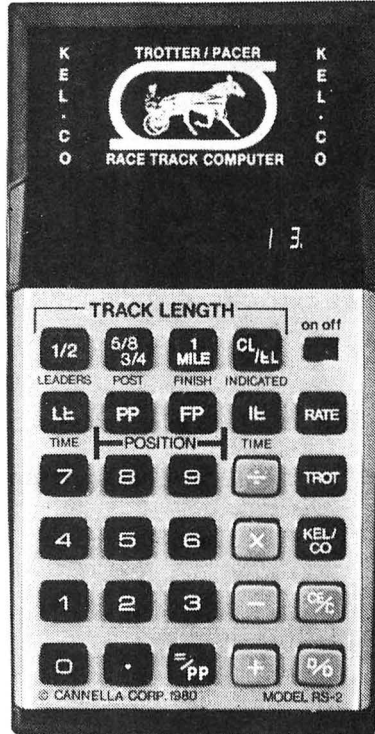
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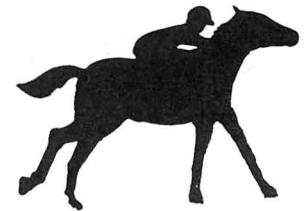
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This computer is an outgrowth of the original Kel-Co Trot Calculator (Slide Rule) first marketed in 1969. Although based on the same general principles, it has undergone extensive refinements in theory. In addition, by its very nature, the electronic computer is much easier to use, more accurate, and much faster than the slide rule calculator.

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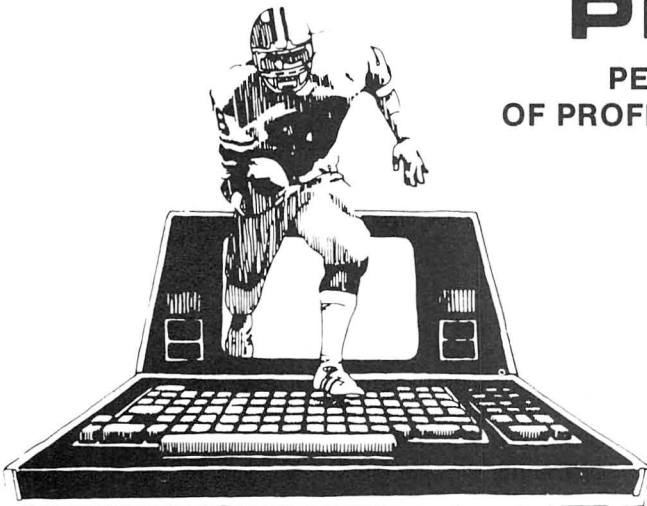
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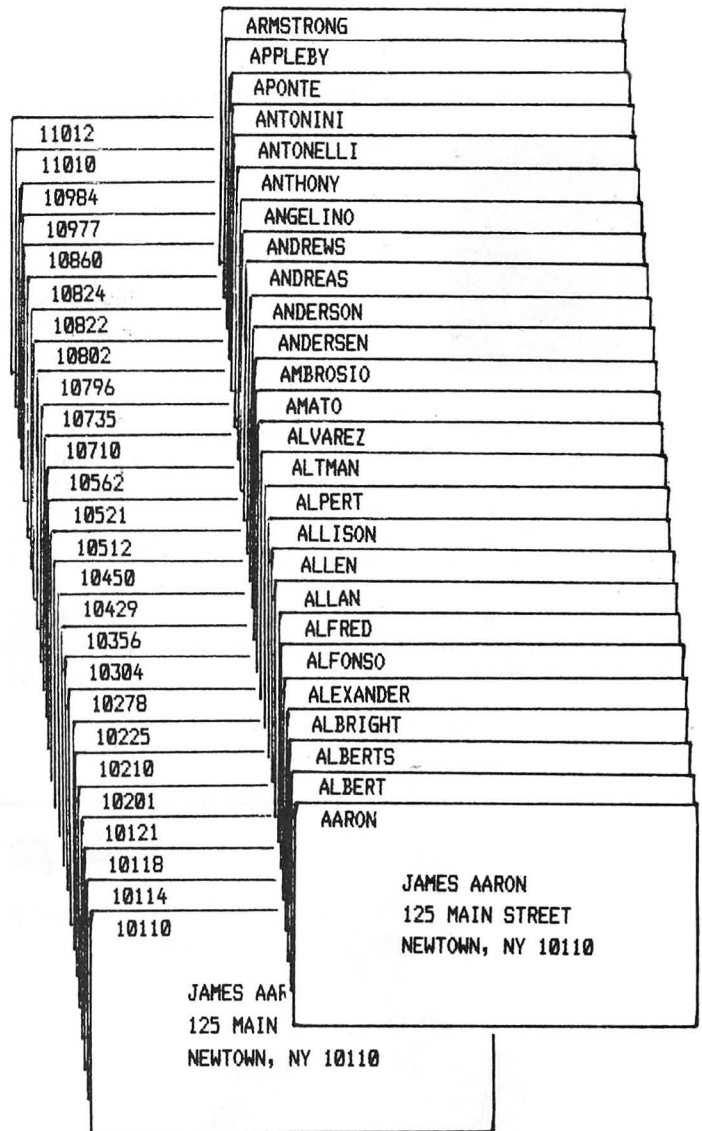
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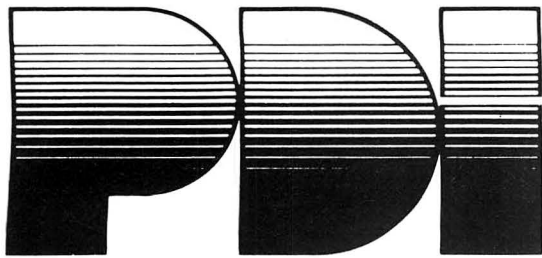
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The ultimate course in BASIC for your APPLE, this program introduces all important BASIC commands and programming logic, including simple string logic and one-dimensional arrays. After each lesson, the computer tests the student's progress, and a Workbook provides an in-depth review and practice on the material covered in the lesson. A final exam is included. Junior High to adults.

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This sequel to the now famous NEW STEP BY STEP covers intermediate BASIC programming, machine language programming related to BASIC, and high-resolution graphics. The course consists of a workbook plus disks and voice cassettes. High School to adults.

APPLE disk\$99.95

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The next step up in PDI's famous STEP BY STEP series. This advanced course teaches disk operating systems (DOS) and input/output (I/O). High School to adults.

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An introduction to algebra, with a voice tutorial. No knowledge of algebra required. Package includes quizzes and worksheets. Junior High to adults.

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VOCABULARY BUILDER 1: BEGINNING

Eleven programs include a set of graded vocabulary questions on synonyms and antonyms (the most common type of vocabulary questions on an IQ test). The last lesson is a vocabulary test. Total of 400 questions, 2000 words. Junior High to adults.

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VOCABULARY BUILDER 2: ADVANCED

Eleven programs like those in VOCABULARY BUILDER 1, but using a more advanced word list. High School to adults.

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ANALOGIES

This course defines and describes the common types of analogies. The six programs teach a method for analyzing analogies and provides practice in handling all types of analogies. Final lesson tests abilities. Junior High to adults.

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SPELLING BUILDER

CHALLENGE: Master the difficult words that stump most people. A voice narration accompanies the programs, which offer both a spelling drill and a method for approaching difficult words. Final test of 320 words. Junior High to adults.

ATARI or COMMODORE cassette\$19.95
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QUANTITATIVE COMPARISONS

Eight programs prepare students for SAT-type math problems, starting with elementary concepts and covering most material that would appear in the test. A comprehensive guide is included, and a final test is given. Junior High to adults.

ATARI cassette\$19.95
APPLE or ATARI disk\$24.95

NUMBER SERIES

Learn how to approach number series problems and how to analyze their patterns, then practice with increasingly difficult problems. The computer provides clues if you have trouble. Junior High to adults.

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APPLE, COMMODORE 64, or ATARI disk\$24.95

THE PDI PRESCHOOL CHALLENGERS

PRESCHOOL IQ BUILDER 1

CHALLENGE 1: Decide whether pairs of figures are the same or different.

CHALLENGE 2: Match a letter on the screen to one on the keyboard. Teaches vital cognitive skills that children must learn in order to do well in school, and introduces children to the computer in a fun way. Ages 3-6.
COMMODORE 64, ATARI, or TI 99/4A cassette\$19.95
APPLE, COMMODORE 64 or ATARI disk\$24.95

PRESCHOOL IQ BUILDER 2

CHALLENGE: Make the face on the screen sing a song; move the letter, number, symbol or word that appears at the top of the screen down to cover its mate, one of three at the bottom. A program that small children love, it teaches letter, symbol, number and word discrimination. Ages 3-6.

ATARI cassette\$19.95
APPLE or ATARI disk\$24.95

TEDDY'S MAGIC BALLOON

CHALLENGE: Listen to the narrator and watch the screen as Teddy's balloon takes him on a series of well-animated high-flying adventures. The child uses the joystick to move the balloon and identify magic words. The package also includes a delightful storybook. Ages 3-6.

ATARI(cassette) \$19.95, (disk) \$24.95

SAMMY THE SEA SERPENT

CHALLENGE: Guide poor lost Sammy back to the sea — and get him out of a lot of tight spots along the way! The program includes a voice narration, brilliant graphics, color, music and thrilling sound effects. It's a unique way to get children involved in working with the computer. Ages 3-6.

ATARI cassette\$19.95
ATARI disk\$24.95

THE ADVENTURES OF OSWALD

CHALLENGE: As a narrator tells a story about a young boy named Oswald children must use the joystick to help Oswald walk, climb, jump . . . and escape from a deep, deep tunnel. There's also a game for children to play, entitled "Oswald and the Golden Key." Exceptional graphics and exciting music and sound effects. Ages 3-6.

ATARI cassette\$19.95
ATARI disk\$24.95

PICTURE BLOCKS

Using basic shapes, children either create their own pictures or match patterns presented by the computer. Builds spatial, problem-solving, and other skills. Ages 4-10.

ATARI or COMMODORE cassette\$19.95
ATARI or COMMODORE disk\$24.95

THE PRESCHOOL LIBRARY

This is a learning library for preschoolers, which includes the following PDI Challengers: PRESCHOOL IQ BUILDERS 1 and 2, SAMMY THE SEA SERPENT, and THE ADVENTURES OF OSWALD. The package also contains a detailed user's manual with supplementary activities for adult and child, Ages 3-6.

ATARI cassette\$59.95
ATARI disk\$79.95

THE PDI STUDENT CHALLENGERS

READING COMPREHENSION: WHAT'S DIFFERENT?

CHALLENGE: Select the word that doesn't belong in the series. Analytical skill and reading comprehension are the keys to mastering the challenge. Course contains hundreds of exercises. Ages 8 and older.

ATARI or COMMODORE 64 cassette\$19.95
APPLE, ATARI or COMMODORE 64 disk\$24.95

THE ALPHABET ARCADE

CHALLENGE: To win the games "Letters for Lisa" and "Letter Treasure" put the letters of the alphabet in their correct order. Then sharpen dictionary skills by putting randomly selected words in alphabetical order. The better you get, the more difficult the word lists. Ages 5 and older.

ATARI cassette\$19.95
APPLE or ATARI disk\$24.95

STORY BUILDER/WORD MASTER

STORY BUILDER CHALLENGE: Supply the missing words to complete the computer's verses. It's a captivating way for children to learn grammar skills. WORD MASTER CHALLENGE: Guess the three-letter word generated by the computer. A stimulating way to learn both reasoning and vocabulary — even adults love to play it. Ages 9 and older.

ATARI or COMMODORE 64 cassette\$19.95
APPLE, ATARI or COMMODORE 64 disk\$24.95

LET'S SPELL

CHALLENGE: Learn to spell 90 basic words. Has all the appeals of animation, sound and voice to make it fun. Ages 7 and older.

ATARI cassette\$19.95

CASH REGISTER

CHALLENGE: Run your own grocery store and make sure you don't cheat either your customers or yourself. Colorful graphics and sound make learning practical mathematics skill a real pleasure. There's also a voice tutorial that shows how to use the CASH REGISTER game. Ages 9 and older.

ATARI cassette\$19.95
ATARI disk\$24.95

ROBIN'S HALLOWEEN

A story with voice narration: Robin faces a variety of challenges as she helps a disabled spaceship. The tale unfolds only when children find key words. There's also a game "Robin and the Missing Letters," and a puzzle book. Ages 5-8.

ATARI(cassette) \$19.95, (disk) \$24.95

MEMORY BUILDER: CONCENTRATION

CHALLENGE: Test your powers of concentration, memory and attention span by matching pairs of words hidden behind the grid of boxes on the screen. The games get tougher as your abilities improve. The computer keeps score as you play against yourself, the computer, or another player. Ages 6 to adult.

ATARI or COMMODORE 64 cassette\$19.95
APPLE, ATARI or COMMODORE 64 disk\$24.95

CODE BREAKER

CHALLENGE: Break the computer's code and figure out its messages. Start out by decoding scrambled letters; go on to tougher codes in which both letter and word order have to be unscrambled; end by decoding "master challenge" messages. Ages 10 to adult.

ATARI, COMMODORE 64 or TI 99/4A cassette\$19.95
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Designed to help beginning readers learn the words that comprise the Dolch list, one of the most widely recognized and respected list of words all children must know. Contains flash cards and suggestions for games. Preschool to elementary school.

ATARI cassette\$19.95
ATARI disk\$24.95

THE PDI MIND-STRETCHERS

TIME BOMB

CHALLENGE: Uncover the secret word before — KABOOM! — the bomb goes off. Includes hundreds of words to guess, plus high-resolution and player/missile graphics. Ages 8 and older.

ATARI cassette\$19.95
APPLE or ATARI disk\$24.95

MINICROSSWORD

CHALLENGE: Working from definitions you request from the computer, fill in up to 18 words in each computer-generated puzzle. Hundreds of words, large and small, easy and difficult. The computer keeps score. All ages.

ATARI cassette\$19.95
APPLE or ATARI disk\$24.95

ASTRO QUOTES

CHALLENGE: Guess four words from clues furnished by the computer, so that the computer can drop the letters where they belong in the famous quotation. Its space-age anagrams, with quotes from Aristotle to W.C. Fields. High School to adults.

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The Most Important Addition To Your Computer System



The Printer Optimizer From Applied Creative Technologies, Inc.

DON'T WAIT FOR YOUR PRINTER!

How long does it take your computer to print a 15-page letter? 10 minutes? 30 minutes? More than an hour? The **PRINTER OPTIMIZER** does it in 20 seconds! Here's how it works: your computer sends the text to the **PRINTER OPTIMIZER**, where it is stored in memory. Your computer is immediately free to continue with other programs - while the **PRINTER OPTIMIZER** keeps printing your letter at a rate the printer can handle.

And there's more! The **PRINTER OPTIMIZER** is not just an ordinary printer buffer. It can do a lot of things no other printer buffer can do:

- The **PRINTER OPTIMIZER** comes equipped with 64K of memory, and up to 256K may be added with optional OPTIMEM cards.
- The memory can be divided into 4 separate "storage areas." The buffer can be used to store text for printing *all day long*, with letters going into one storage area, invoices in the second, statements in the third, and shipping labels in the fourth. At the end of the day, you can put stationery in the printer and print out all of your form letters, invoices, statements, and labels. See why it's called **THE PRINTER OPTIMIZER**?
- Connect any printer to any computer, serial or parallel, any protocol. You can even reconfigure your RS232 cable connections without cutting a single wire!
- You can connect one computer to three printers at the same time - which would allow you to print letters, invoices and labels all from the same program, *without ever changing forms!* (And your letters can be printed

on a letter-quality printer, while other reports are being printed on a high-speed dot-matrix printer.)

- It can also connect *two computers* simultaneously to one or two printers, allowing both workstations to send text into the same four buffer storage areas.
- Use *any word processing program* to access any printer's special print features, including boldface, italics, underlining, super- and subscripts, paging, reverse feed, graphics, proportional printing, pitch and size changes...anything your printer can do!
- You can program it to automatically convert any type of code character (or group of characters) into any other character (or group of characters). This means that it functions as a very sophisticated translator (or filter) for transmitted text - so you can even program it to interface your computer to a typesetter, plotter, or other advanced output device.

Not convinced? We'll send you a 16-page book about The **PRINTER OPTIMIZER** for \$5, refundable or credited toward purchase.

SPECIFICATIONS & OPTIONS:

PRINTER OPTIMIZER - basic unit connects parallel computer to parallel printer, with 64K buffer (roughly equivalent to 15 single spaced pages (80 col by 56 lines). Extra memory, extra outputs and serial connections are options.

Includes:

- Slots for up to four 64K OPTIMEM cards (see below) provide capacity of from 65,536 to 262, 144 characters.
- Z80 Microprocessor, Z80 CTC, 8K ROM control firmware.
- 2K CMOS RAM with Lithium battery for reserve power retains all special instructions when AC is off.
- Memory saving Space Compression - switch selectable
- Parallel input provides BUSY & ACK handshaking
- Parallel output detects BUSY, Paper Empty and Fault from printer, or just BUSY (switch selectable)
- Internal switches enable/disable 7.8 bit word length and DC1 DC3 printer control used by some minicomputers.
- Allows all characters (ASCII 0 thru 255)
- Size 10.25W x 3.25H x 7D Weight 3.5 pounds
- External Transformer power pack Metal case
- Power requirements: 120 VAC 0.2 AMPS

FRONT PANEL

- 16 key keypad for storing and accessing
- Character and string conversions
- Control characters for remote control of printer
- Automatic or manual insertion of page between pages
- Number of copies and selective reprinting
- Automatic or manual selection of multiple printers
- Automatic or manual selection of print job
- Programming and operation is very similar to using a telephone auto-dialer
- 3 digit 1 2" H bright red LED display shows
- Buffer space available
- Data entered from keypad
- Error messages
- "P" when transmission paused
- PAUSE transmission pushbutton starts and stops output
- Power ON indicator

REAR PANEL

- Memory erase pushbutton, Power ON OFF switch
- 2 female 36 cond. (AMP 552742 1) connectors (aka. "Centronics type" parallel)
- Space for optional extra inputs and outputs

OPTIMEM - memory expansion cards (1 provided with unit)

- 64K dynamic RAM with on-board power regulation
- Gold plated edge contacts
- User installable (static safe, simply plug in)

OPTICOM - Asynchronous Serial RS232C adaptor option

- Z80 DART for **fully independent** input and output
- 2 DB25 female 25 conductor connectors
- Baud rates: 110 to 9600 (switch selectable)
- Even Odd No parity, 7.8 Bit word length, 1 2 Stop Bits
- Protocols: XON XOFF, ETX, ACK, DTR (busy), RTS CTS
- Internal jumpers provide easy "no soldering" signal routing, saves cost of custom cables or modem eliminator.
- Enables user to connect, control and switch between two printers (one serial and one parallel). Also allows parallel and or serial input.
- User installable, may be added at any time.

OPTICOM + Same as Opticom but provides two serial outputs.

OPTI3PO Provides two additional parallel outputs with automatic or manual switching between total of **three** outputs.



POSSIBLE CONNECTIONS WITH THE PRINTER OPTIMIZER

Printer Optimizer (basic unit-includes 64K)	1 parallel computer 1 parallel printer
Printer Optimizer with OPTICOM	1 parallel computer 1 serial computer 1 parallel printer 1 serial printer
Printer Optimizer with OPTICOM+	1 parallel computer 1 serial computer 1 parallel printer 2 serial printers
Printer Optimizer with OPTI3PO	1 parallel computer 3 parallel printers

- THE PRINTER OPTIMIZER (basic 64K unit) . . . \$499**
OPTIMEM 64K EXPANSION CARD . . . \$139
OPTICOM SERIAL ADAPTOR OPTION . . . \$ 99
OPTICOM + . . . \$149
OPTI3PO . . . \$ 79
OPTI-UPGRADE . . . \$ 55

NOTE: If you own an older model of the Printer Optimizer, then OPTI-UPGRADE can be used to add the necessary expansion slots for these new options.

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Personal investment Analysis makes profitable financial planning as simple as sitting down at the computer. Ask "what if" and get instant answers on a range of investment options—everything from IRAs to convertible bonds. Can't decide whether to put your money in a municipal bond or a money market fund? Personal Investment Analysis lets users instantly compare the profitability of tax-free versus taxable securities. Or analyze mortgage terms. Plan and set up a retirement income program. Determine effective interest rates. Even do sophisticated convertible bond analysis.

This easy-to-use, menu driven program simplifies all kinds of complex financial analytical processes - and requires no mathematical or computing experience. It's like giving your customers their own personal investment advisor, ready to answer their questions immediately. One 5 1/4" diskette and complete documentation included. Available for APPLE II, IIe and Commodore 64 **\$60.00**

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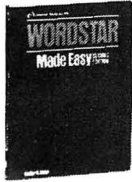
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A comprehensive guide to the MS DOS operating system, this book is designed to familiarize you with this powerful system from Microsoft in all its versions. Ideal for beginners and experienced users, this guide covers each computer running MS DOS, gives the version it runs and any improvements the manufacturer has made to the system. It also gives complete information on the PC DOS version designed for the IBM PC.

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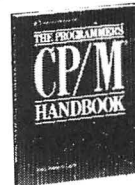
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This bestseller is an authoritative handbook for all aspects of the CP/M-80, CP/M-86 and CP/M+ operating systems. Step by step instructions on the use of commands, programs, utilities, assembly language programming, high-level languages and applications programs, complete with appendices, bibliography and index. Ideal for both beginning and advanced users.

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- **Accounts Receivable:** interacts with order entry by invoice number.
- **Inventory:** complete summary of products sold by part number and price invoiced.
- **Installation:** Complete customization package tailors the programs to your business.

Requires 2 floppy disk drives or hard disk, 80-column printer. Available for: TRS-80™ Models 1/3/4, 2/12/16, IBM/PC or Model 2000, Kaypro II, and many other CP/M computers.

All versions \$250.00

HOME BUDGET & CHECKBOOK ANALYST

This program maintains your checkbook while it analyzes your income and expenses. On data entry, constantly displays running checkbook balance. Check numbers automatically updated, but non-checkbook expenses can also be handled. Multiple-item expenses allowed. Complete budget categories and amounts can be maintained, and your present expenses compared with the budgeted amounts. The program maintains a hierarchical category list, with 12 general budget categories, each of which can be divided into up to 12 subcategories. Monthly and year-to-date summaries and projections can be computed from the data.

The cassette program is a reduced version of the disk program, which maintains the broad outlines of the program but handles much less data, in order to accommodate 16K users. Separate cassettes necessary for each month, and for year-to-date totals.

Model 1/3/4 disk version \$59.95
 Model 1/3/4 cassette version \$29.95
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MAILING LIST

Maintains mailing lists of up to 1328 names per disk file. Add, change, delete, or find names. Sorting, which is done by machine language in the TRS-80™ Model 1/3/4 version, can be done according to the data in any field. Labels printed in 1, 2, 3, or 4 columns, with tabs adjustable to fit any size labels. (Disk versions only.)

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Is your computer working correctly? Are you sure? Find out for certain with System Diagnostic, which has complete diagnostic tests for every component of your TRS-80™ Model 1, 3 or 4. Separate tests for:

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- Disk Drives: disk controller, drive select, track seek, read sectors, formatting, read/write/verify data with or without erasing, disk drive timer, disk head cleaner. Single or double density, 1-99 tracks.
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The payroll section (not included in cassette version) keeps records of individual employees and their paychecks with up to six payroll deductions. Employee payroll records and year-to-date payroll summaries can be computed.

The program comes with a complete installation package that customizes it to your business.

The cassette version keeps track of the income and expense data, and requires separate cassettes for each month.

Model 1/3/4 disk version \$59.95
 Model 1/3/4 cassette version \$29.95
 Model 2/12/16, IBM/PC or CPM version \$69.95

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Define files of various descriptions and maintain data on disk (or cassette with the TRS-80™ Model 1/3/4 version). Program is an "in RAM" system allowing files to contain up to 50 fields, with the number of records available determined by your free RAM space. Commands allow you to add, change, or delete records; find a specific item (search any field); sort according to the data in any field; total items in a single field, with or without comparison to another field; print file on video display or line printer; and save file on cassette or disk. Reports generated can be formatted in extensive ways.

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- Emulates standard terminals.
- Memory buffer holds data to be transmitted or received.
- Automatic transmission of data from buffer.
- Automatic storage of incoming data in buffer.
- Character translations.
- Data files compatible with word processors and BASIC programs.
- True BREAK key.
- Unprotected program creates "personalized" back-up copies.
- Model 1/3/4 version supports cassette and disk systems.
- Model 4 (TRSDOS 6) and Model 2/12/16 (CP/M) versions also available.

Model 1, 3 or 4 version \$74.95
 Model 2/12/16 CP/M version \$79.95

MACHINE LANGUAGE MONITOR PROGRAM #5

Monitor Program #5 is a powerful utility program enabling you to interact directly with the TRS-80 in machine language. It is useful both for beginners and for advanced programmers.

- **Beginners** can learn to use machine language.
- **Complete** instruction manual.
- **Simple** commands, easy to use.
- **Separate Model 1, 3, and 4** versions available.

Monitor #5 contains the following features:

- **Display** memory in ASCII and hexadecimal form.
- **Disassemble** memory to see machine language commands.
- **Move and compare** blocks.
- **Search** through memory to find specific values.
- **Modify** memory in different ways.
- **Relocate** object programs.
- **Read and write** object tapes in SYSTEM format.
- **Unload** programs in low RAM on disk.
- **Print** output optionally on video display or line printer.
- **Save and load** disk files.
- **Input and output** disk sectors, bypassing disk operating system.
- **RS-232-C commands** for terminal mode, send and receive data.
- **Complete debugging package** including setting and displaying registers, single stepping, setting breakpoints, and executing machine instructions.

Available for the TRS-80™ Model 1, 3, and 4 only. Specify Model number and media desired (cassette or diskette) when ordering.

Monitor #5 \$29.95

TYPITALL

The most powerful TRS-80™ Word Processor

TYPITALL is a word processing program which is upward compatible with SCRIPSIT™ for the Model 1, 3, and 4 TRS-80™ computers. If you already know how to use SCRIPSIT, you will be able to start using TYPITALL immediately. Even if you don't know SCRIPSIT™, you can start using TYPITALL immediately by using the HELP commands to learn it as you go.

Following is a partial list of the features available in TYPITALL. Compare these features to those of your current word processor, and see why users have called it the *most powerful* word processor for the TRS-80™:

- Spelling checker available with 29,500 word expandable dictionary.
- Verify 3,500 word document in less than two minutes.
- Demonstration version available — includes all text editing and loading features (no disk save or spelling checker).
- True Model 4 (TRSDOS 6) and Model 1/3/4 versions available.
- Send **any** control or graphic/special character to the printer.
- Print the formatted text on the screen, either as graphic blocks or as plain text, for preview of the formatted text.
- Send the formatted text to a disk file for later printing.
- Merge data from a disk file during printing. Names, addresses, and other text can be inserted into the text being printed.
- Stop printing and enter data from the keyboard.
- Print formatted text during editing (spooling).
- Use copy markers to print selected portions of text.
- Save and load blocks of text.
- Hyphenation of text in a single pass.
- Call up to 16 HELP screens at any time.
- Use TYPITALL to edit HELP screens.
- Assign any sequence of keystrokes to a single control key.
- Flexible cursor motion keys: move cursor by character, word, line, section or page.
- Make your own special version of TYPITALL with the supplied customization program.
- Get audible feedback from the keyboard through the cassette recorder or Model 4 speaker.
- Reenter the program with all text intact if you accidentally exit without saving the text.
- Enter hard spaces to make a sequence of words indivisible.
- Change words from upper to lower case, or vice versa, without retyping.
- Change key repeat speed.
- Cursor position, line length, document length, and free space constantly displayed on bottom line of screen.
- Optionally ignore case of letters in string search.
- Use TYPITALL for editing BASIC programs.

Disk versions only — specify Model 1, 3, or 4.

TYPITALL demo version \$49.95
 TYPITALL full version \$129.95
 TYPITALL with spelling checker \$179.95

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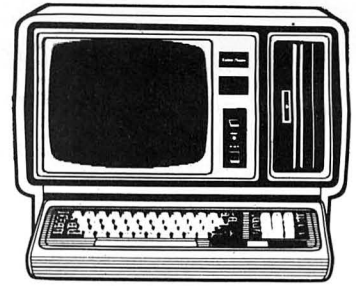
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*All CP/M Software requires CP/M and may **not** be returned once the diskette package has been opened.
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Written for TRS-80™ I, II, & III - IBM™/PC - APPLE™ M/S - OSBORNE™ - HEATH™ - DEC™ - SUPERBRAIN™ - and all Computers using CP/M with Microsoft BASIC™

The last word on disk random access and file handling techniques, this series is intended for everyone — beginning programmers, businessmen and professionals will learn how to create custom programs to handle inventories, mailing lists, work scheduling, record keeping, and many other tasks, while more experienced programmers will learn advanced, professional programming techniques for faster, more efficient data storage and retrieval.

Although random access file handling is a matter of some complexity, the subject has been treated in a simple and down-to-earth fashion, so that anyone with some small familiarity with programming in Microsoft BASIC will be able to cope with the material. Each stage of learning uses a sample program as a starting point. The programs grow in capability and complexity as the books progress into all of the various aspects of file handling and record manipulation. An extensive effort has been made to keep the material coherent and every program line is explained in detail.

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- The writing of a Menu to summarize program functions
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- The LPRINT capability from disk using three different formats
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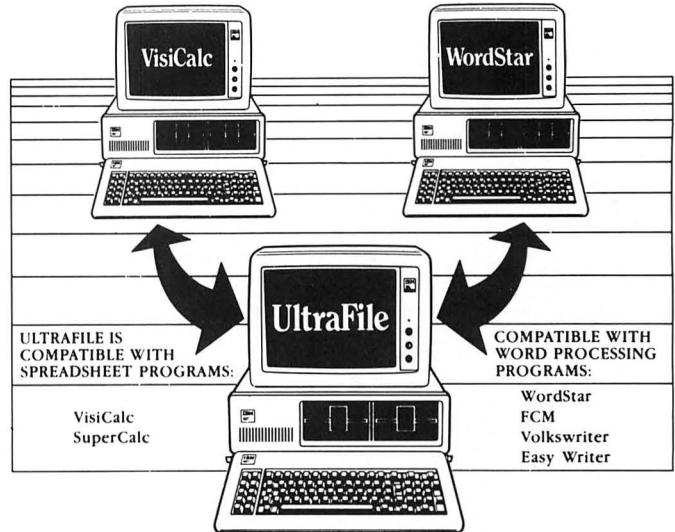
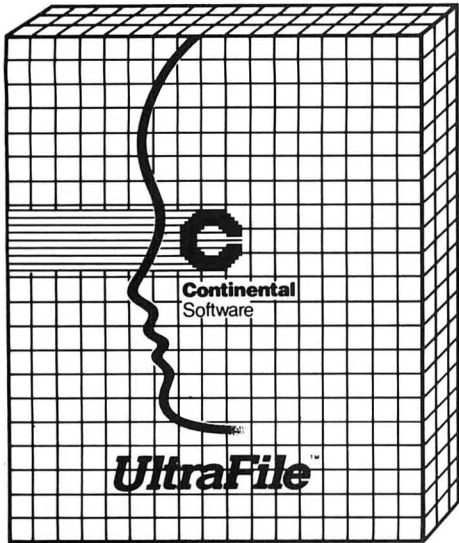
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If the recent database/file management explosion has left you in a state of confusion, you're not alone. We'd like to clear up some of that confusion.

We've taken the five most popular programs on the market and run a comparison so you can see for yourself exactly where they stand. And what you're getting for your money.

As you can see from the chart, dollar for dollar, feature for feature, UltraFile comes out on top. Here's why:

To begin with, UltraFile has filing, reporting and graphing capabilities all in one package. So, when you buy UltraFile, you automatically get everything you need for creating terrific graphs, custom reports, and managing and storing your information. And you get it all for \$195.

Secondly, UltraFile has a help screen. UltraFile leads you step by step through the

program. If you need additional help or want to clarify a point, you'll be able to call up the help screen with the touch of a single key. This feature makes UltraFile incredibly easy to use.

Thirdly, UltraFile has automatic data formatting. So if you want a certain word in your text to appear in all caps, you only have to enter it that way the first time. UltraFile automatically capitalizes the word each time it appears. That means fewer errors and more consistency in your text.

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UltraFile™

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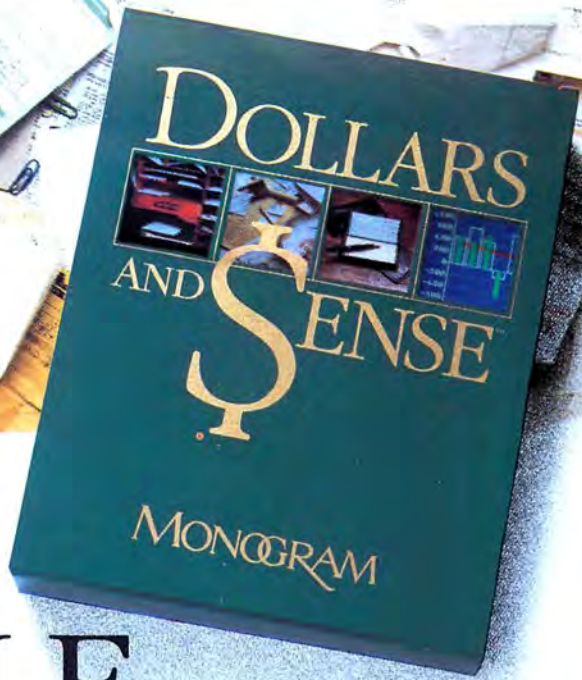
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And you're looking at it.

Making sense of your dollars.

Dollars and Sense™ is designed to save you money by organizing your money. By giving you the clearest picture you've ever had of your financial behavior.

It can establish budgets along any lines you like. Monthly or annually, fixed or variable. On up to 120 accounts.

It can write checks, make transactions automatically. Even remind you to pay your bills.

And as time goes by, it tells you exactly how you're doing. With a complete set of reports and full-color

graphs* that come up on screen or print out on paper. At the touch of a key.

And all you have to do is spend a few minutes each week telling your IBM® PC, Apple® II or IIe what came in and what went out.



User friendly. Really.

Dollars and Sense also happens to be very easy to use. For everyone who uses it.

If you're a novice, at computing or accounting or both, don't worry.

The interactive demonstration disk will get you started. And the program will keep you going. With sample accounts, on-screen prompts and a user's manual that's written in plain English.

And one more thing. Dollars and Sense is tax-deductible.

But only if you use it on your taxes.

MONOGRAM™

Dollars and Sense™

For IBM PC or PC/XT \$165.00

For APPLE II, II+ or IIe \$100.00

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 50 N. PASCACK RD., SPRING VALLEY, N.Y. 10977

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800-431-2818 914-425-1535

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 ADD proper postage outside U.S., Canada & Mexico

VISA MasterCard Discover

30-DAY MONEY BACK GUARANTEE

CASH REGISTER CONTROL



CASH REGISTER CONTROL is an amazingly versatile retail sales and inventory control system that has been carefully designed for the first-time computer user. You can quickly and easily learn to use CASH REGISTER CONTROL's many features, because you learn them one step at a time. You'll be running the system as a simple cash register in just minutes, "ringing up" sales and printing receipts. Then, once you've mastered this step, you can turn on the system's other optional features one at a time, to test and "play around" with each feature. For example:

- activate the inventory feature, so that you can "ring up" an item by entering just a product code, calling up the price and product description automatically.
- add the product descriptions to the customer receipts.
- activate the automatic tax-computation feature.
- store names and addresses for credit customers.
- try out all of the other features you're interested in.

Finally, you set up your system with exactly the features you want to use, and you're in business! Even though CASH REGISTER CONTROL has so many features, you are always completely in control -- and you can teach new employees to use the system in less than five minutes.

FEATURES:

- Completely Menu-driven -- very easy to learn and use.
- Can be used either in conjunction with your present cash register, or to replace it completely.
- Allows a variety of different receipt styles -- receipt may be a simple list of prices with total, cash received and change, or may include the date of sale, full product descriptions, customer names and addresses, and an automatic duplicate copy.
- Displays the customer's receipt on screen before printing it on paper, and allows error correction at any time -- even after the transaction has been completed.

- Can keep track of up to four independent cash drawers.
- Operators can be required to enter a security code before each transaction.
- Can track the activities of up to 25 salespeople.
- Can operate as a simple cash register -- you enter prices manually, and the computer totals them, then displays and prints a receipt and computes change.
- Can define items as taxable or non-taxable and automatically compute tax.
- Keeps track of cash, check, credit card and open account sales.
- Can store names, addresses, credit limits and balances for open account customers, and print statements.
- Includes an integrated inventory control system that keeps track of stock levels of all items in and out of stock, and automatically notifies you of low stock levels. Prints inventory reports and pricing labels with product descriptions and codes.
- If you use the inventory features, you can "ring up" sale by entering only product codes, and the computer will retrieve all prices and product descriptions from the inventory file (and automatically deduct from inventory levels), then automatically subtract from inventory levels when the sale is complete.
- Prints sales reports that provide an organized picture of your daily sales activity. Reports include transaction audit trail, daily sales by item, and daily sales by salesperson.

MINIMUM SYSTEM REQUIREMENTS:
48K RAM, and 1 disk drive (2 drives if single-density)
CASH REGISTER CONTROL\$250

All prices & specifications subject to change / Delivery subject to availability.

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DEALER INQUIRIES WELCOME

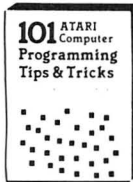
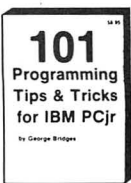
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 TI PROFESSIONAL COMPUTER™ • SUPERBRAIN JR™ • EPSON™ • Any CP/M™ Computer with 8" Disk Drives
 CP/M-based Computers must be equipped with Microsoft BASIC (MBASIC or BASIC-80)



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IBM PCjr Computers

101 Programming Tips & Tricks for IBM PCjr, packed with valuable hints, secrets, techniques and insights for programming the IBM PCjr \$8.95

40 IBM PCjr Programs for Home, School & Office, an all-new volume of tested, ready-to-run software for IBM PCjr \$7.95

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45 Programs for the TRS-80 Model 4 Computer, an all-new volume of tested ready-to-run software for the TRS-80 Model 4 computer \$8.95

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55 Color Computer Programs for Home, School and Office, practical ready-to-run programs with colorful graphics \$9.95

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Color Computer Graphics, a complete guidebook loaded with tips for making the most of TRS-80 Color graphics. Learn-by-doing instructions plus complete programs \$9.95

The Color Computer Songbook, 40 favorite pop, classical, folk and seasonal songs arranged for TRS-80 Color Computer. Ready-to-run music programs \$7.95

COMMODORE Computers

COMMODORE 64 Programs for Beginners, 40 complete ready-to-run programs for COMMODORE 64 and VIC-20, ranging from finance to games \$8.95

101 Programming Tips & Tricks for the VIC-20 and COMMODORE 64, a collection of practical, useful, efficient programming techniques and operating shortcuts for COMMODORE 64 and VIC-20 . \$8.95

ATARI Computers

31 New ATARI Computer Programs for Home, School and Office, packed with valuable hints, secrets, techniques and insights for programming the ATARI 400/800 computer \$8.95

101 ATARI Computer Programming Tips & Tricks, a collection of practical, useful, efficient programming techniques and operating shortcuts for ATARI users \$8.95

All BASIC Computers

222 BASIC Computer Programs for Home, School and Office, designed to run on ANY computer with BASIC, these valuable programs can form the foundation of your software library \$9.95

POCKET Computers

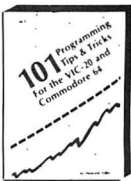
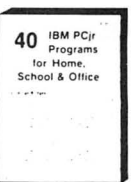
101 Pocket Computer Programming Tips & Tricks, secrets, hints and techniques from a master programmer for the TRS-80 PC-1, Sharp PC-1500 and PC-1211 pocket computers \$7.95

Pocket Computer Programming Made Easy, a new, fast and easy way to make the TRS-80 PC-1, PC-2, Sharp PC-1500, PC-1211, Casio FX-702P pocket computers work for you. Learn Pocket BASIC quickly \$8.95

50 Programs in BASIC for Home, School & Office, useful, ready-to-run software for TRS-80 PC-1, PC-2, Sharp PC-1500 and PC-1211 pocket computers \$9.95

50 MORE Programs in BASIC for Home, School and Office, tested type-in-and-run software for TRS-80 PC-1, PC-2, Sharp PC-1500 and PC-1211 pocket computers \$9.95

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REALTY SOFTWARE COMPANY PRESENTS:

Systems for Landlords and Real Estate Professionals

Available for TRS-80 Models I & III, Apple II & III, IBM & CP/M Computers

These systems have been developed by people professionally involved in real estate analysis, property management and sales who also have an extensive background in computer analysis. Hundreds of satisfied clients have discovered how effective a microcomputer can be in their business.

PROPERTY MANAGEMENT/GENERAL LEDGER

This is a truly flexible system designed for use by both property owners and property managers. The system is easy to use even for the computer novice.

This system consists of a set of programs which track rental income and expenses and provide general ledger accounting as well as management reports which are timely and accurate. Income and expense data is entered into the system by filling in on-screen forms. Corrections can be easily made at any time.

- Features:**
- TENANT INFORMATION REPORT
 - YEAR-TO-DATE INCOME REPORT
 - RENT RECEIPT PRINTING
 - CHECK PRINTING

- LATE RENT REPORT
- VACANCY REPORT
- EXPENSE DETAIL REPORT
- VENDOR EXPENSE REPORT
- UTILITY EXPENSE REPORT
- TAX EXPENSE REPORT
- OPERATING STATEMENTS

System Requirements:
A 48K system with at least one disk drive. All reports can be printed on an 80-column printer.

Property Management System	
TRS-80 or APPLE	\$450.00
IBM or CP/M	\$525.00

PROPERTY LISTING & COMPARABLES

This is a complete system for maintaining real estate listings and comparable sold properties. The system store complete information about each property and includes a comprehensive screening capability that allows you to search for properties based on certain user-selected criteria. All property information is entered and updated by filling in a form on the computer screen.

- Features:**
- ATTRIBUTE SELECTIONS — Selection of properties on file based on maximum and minimum price, number of bedrooms, number of units, city and zone can be made in any combination.

PERFORMANCE SELECTIONS — Selection of properties can also be made based on a maximum gross factor, a maximum price per square foot of improvements and a minimum cashflow requirement in any combination.

System Requirements:
A 48K system with at least one disk drive and a standard 80-column printer.

Property Listing System	
TRS-80, APPLE, IBM or CP/M	\$425.00

REAL ESTATE ANALYSIS PROGRAM MODULES

These modules form an analysis systems for real estate and can be ordered individually or in any combination on one diskette. They are also available on cassette. A 48K system with cassette or disk drive is required, and all reports can be printed on an 80-column printer.

HOME PURCHASE
An invaluable aid to making knowledgeable decisions when buying, selling or comparing properties.

LOAN AMORTIZATION
This module generates a complete loan payment schedule for fully amortized, interest-only and less than interest-only (negative amortization) loans with payments from one to 365 per year.

CONSTRUCTION COST/PROFIT
A sophisticated program for builders and investors which allows fast and complete analysis of potential profits.

PROPERTY SALE
This module will show the net financial result of a property sale, and will calculate the total gain realized, total taxable gain, return on investment and total cash to seller.

APR LOAN ANALYSIS
This tool for comparing loans will calculate the annual percentage rate of a loan based on the base interest rate of the loan, loan fees, prepaid interest and the term of the loan.

INCOME PROPERTY ANALYSIS
A superb tool for comparing income-producing properties, this module will provide a thorough financial analysis of almost any income-producing property in minutes.

TAX DEFERRED EXCHANGE
This module shows the total financial impact of a tax-deferred or partially deferred property exchange, allowing investors to make informed decisions when trading properties.

LOAN WRAP RETURN
When selling or buying properties involving a wrap-type of loan this program will show the actual percentage return to the seller.

LOAN SALES/PURCHASE
This flexible module will calculate either the present value of a loan base on the required percentage of return, or the percentage return based on the price paid for the loan.

DEPRECIATION/ACRS
Based on the new law governing real estate and other depreciable assets, this program calculates and displays both straight-line depreciation and the Accelerated Recovery System figures for assets in the 3, 5, 10 and 15-year life categories.

Real Estate Analysis Modules (all versions)	\$50.00
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MATHEMATICAL APPLICATORS, INC.

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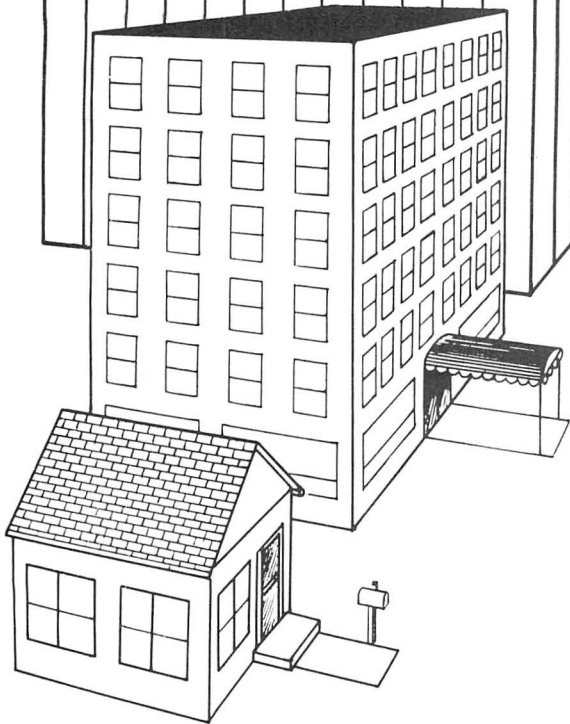
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Property Management



Property Management

COMPLETE TRANSACTION BOOKKEEPING

- Records complete transaction history for all residential and/or commercial property-related charges, deposits, payments, refunds, write-offs, etc.
- Automatically posts standard monthly rents for easy entry.
- Automatically computes common area assessments and percentage leases.

INSTANT STATUS QUERIES

- The touch of a button will produce the current status of any property, rental unit or tenant.
- The program will flag any expiring leases or overdue rents for immediate attention.

ALLOWS ENTRY OF EXPENSE DATA

- Property-related expenses and income from nonrental sources can be entered in a format similar to federal tax information. This data is available for presentation in income/expense reports for each property.

COMPREHENSIVE BUT STRAIGHTFORWARD REPORTS

- The program produces well-organized reports on each property, rental unit and tenant. Reports include Property and Rental Unit Descriptions, Tenant Information, Rental Status, Aged Balances Due, Transaction Summaries (audit trail) and Income/Expense Summaries.
- The program will also print out Tenant Statements and mailing labels if desired.

EASY TO UNDERSTAND AND USE

- The program incorporates simple, menu-driven procedures with simplified default value selection, and complete entry error-checking.
- The comprehensive user's manual gives step-by-step instructions with detailed reproductions of screen displays and sample reports.

INTERFACES WITH CONTINENTAL AND PEACHTREE™ ACCOUNTING PACKAGES

This program serves effectively as a stand-alone tool for managing residential or commercial income properties. In addition, for those who wish to take advantage of Continental's or Peachtree's accounting packages, the PROPERTY MANAGEMENT program will automatically transfer journal entries to the GENERAL LEDGER and from the ACCOUNTS PAYABLE modules.

SYSTEM CAPACITIES

- 25 DIFFERENT PROPERTIES PER DATA DISK
- Single-sided Drives: 250 UNITS PER PROPERTY
- Double-sided Drives: 500 UNITS PER PROPERTY
- Hard Disk Drive: 1000 UNITS PER PROPERTY

Property Management

For IBM PC/XT, TI PRO, WANG or APPLE..... \$495

RENTAL UNIT INFORMATION REPORT																																																																																																																																																																					
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SYSTEM REQUIREMENTS

128K IBM PC/XT, DOS 1.1, 1.0, or 2.1.2 double-sided disk drives, 1 display card (monochrome or color) printer (132 col. optional). DOS 2.0, 2.1 require double-sided disk drives (or hard disk). COMPAQ COLUMBIA compatible.

192K Texas Instruments Pro, MS-DOS, MS-BASIC, one or two drives, printer (132 col. optional)

192K Wang Personal Computer, MS-DOS, MS-BASIC, two drives, printer (132 col. optional)

48K Apple II/Ile, two disk drives, printer (132 column optional)

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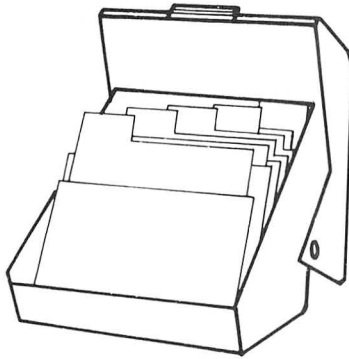
FLIPSORT

The Ultimate Diskette Storage System

Stores 50 to 60 Diskettes.

This durable smoke-colored acrylic unit provides easy access through the use of index dividers and adjustable tabs. Unique lid design provides dust-free protection and doubles as a carrying handle.

5 1/4" Disks — \$29.95
8" Disks — \$34.50



THE DISK FILING SOLUTION

The data stored on your diskettes is always important, and often confidential as well. Now, with The Disk Filing Solution, you can keep all of your important diskettes completely organized and protected from environmental hazards, and also prevent unauthorized access to your data.

A Locking Disk Box provides security and protection for up to 90 diskettes. Unlocked, the lid can be removed and nested under the base to consume a minimum of space. Disk File Trays (without lids) help you organize up to 150 diskettes for fingertip access. Dividers may be removed or snapped into different positions in boxes or trays, and pressure-sensitive divider labels are provided. All locking boxes are provided with two keys.

Locking Disk File Boxes:

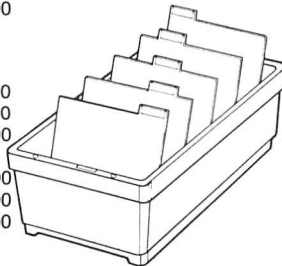
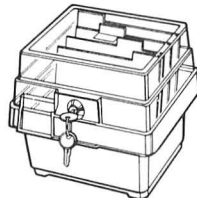
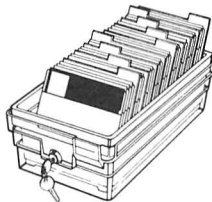
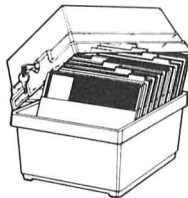
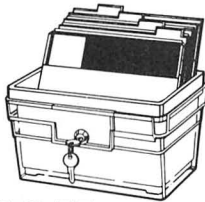
For 8" Disks
40-disk capacity \$39.00
90 disk capacity \$59.00

For 5 1/4" Disks
40 disk capacity \$29.00
90 disk capacity \$49.00

Disk File Trays (without lids)

For 8" Disks
90 disk capacity \$22.00
120 disk capacity \$32.00
150 disk capacity \$36.00

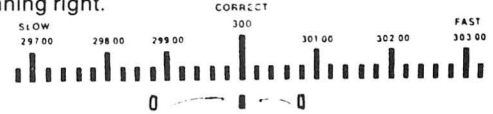
For 5 1/4" Disks
90 disk capacity \$20.00
120 disk capacity \$24.00
150 disk capacity \$30.00



GOT BUGS IN YOUR TRS-80 or APPLE?

Get Disco-Tech's Disk Drive Timer
For TRS-80 Models I, II and III or Apple

Get the bugs out of your disk drives with DDT, Disco-Tech's disk drive timer and analysis program, which lets you analyze disk drive motor speed within a tenth of an RPM (out of 300) with a real-time graphic "speedometer." DDT analysis is faster and more accurate than strobe timing and doesn't require costly equipment. Everything you need is in this package. Incorrect motor speed causes lost data and program incompatibility. DDT lets you check disk drive motor speed routinely with a detailed motor speed analysis, so your drives are always running right.



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HEAD CLEANING DISKETTES

Keep your diskette drive heads "Computer Room Clean" with Scotch Head Cleaning Diskettes. You can clean the heads yourself in just 30 seconds and save on service calls, data drop-outs, costly down time. Available in 8-inch and 5 1/4-inch sizes.



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IBM and all other mainframe houses use green screen monitors. The advantages of the green video screen are now widely known.

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- **IMAGE CONTRAST** is increased and screen legibility improved.
- Eye fatigue is reduced by our eye-saving green color and the enhanced readability of text.
- Your system takes on a distinctively professional look.
- **THE ALPHA GREEN SCREEN** is the easiest and fastest to install, no fitting, taping, or gluing necessary. Can be removed instantly for cleaning.

THE ALPHA GREEN SCREEN

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TDK Premium Quality Diskettes.

TDK diskettes mark a new high in diskette technology. They are so reliable that they're *guaranteed for life*. Not for 1 year, not for 5 years, but with a replacement warranty good for *as long as you own the diskettes!*



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Verbatim DataLife diskettes carry a full 5-Year Warranty, and their record of error-free performance is practically legend. No wonder more people use Verbatim DataLife diskettes than any other brand!



3M - The High Quality, Low-Cost Diskette

Few names in the data recording industry are as respected as 3M. For durability, reliability and *guaranteed error-free performance*, demand 3M diskettes.

Few things are as important as the data you're storing on diskettes. In many cases, the data itself is priceless. And in *all cases*, you'd be very upset if the data were lost forever and had to be re-created from scratch. So why trust your data to less-than-top-quality diskettes?

All diskettes sold by H & E Computronics, Inc., are *certified 100% error-free* and come with Hub Rings installed. Diskettes are available for every major microcomputer.

DISKETTE PRICES:*	TDK	Verbatim	3M
5 1/4-inch Single-sided Double-density Diskettes	\$39.95	\$34.95	\$29.95
5 1/4-inch Double-sided Double-density Diskettes	\$49.95	\$49.95	\$39.95
8-inch Single-sided Double-density Diskettes	\$49.95	\$49.95	\$39.95
8-inch Double-sided Double-density Diskettes	\$59.95	\$59.95	\$49.95
5 1/4-inch Hard Sected Double-density Diskettes (for NorthStar)	\$39.95	\$34.95	\$29.95

*For better performance, we recommend double-density diskettes for single-density drives

DISK DRIVE HEAD CLEANING KITS:

Verbatim 5 1/4" or 8-inch Head Cleaning Kit \$12.50
10 Refill Head Cleaning Disks \$19.95

3M 5 1/4" or 8-inch Head Cleaning Kit \$29.95

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PFS: FILE \$140.00

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The PFS Software Series is designed to solve personal information management needs. PFS FILE, the first program in the series lets you create a data file by simply painting a form on the screen. No field formats, record sizes or complex syntax strings are required. Key PFS FILE features include True free form screen design entry searching and editing. Fast primary item form access. Multiple (up to 32) page forms allowed. Multiple line data items (up to a page each). Can print selected items from information in forms (such as mailing labels or phone lists). Up to 1000 one page forms can be stored on a single diskette.

PFS: REPORT \$125.00

Report Generator
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PFS: GRAPH \$125.00

Business Graphics
PFS Graph gives you presentation quality bar charts, line graphs and pie charts in color or black and white. Graph is the software package for the professional who needs graphs or charts in a hurry, but doesn't want to become a computer programmer. Just specify the kind of graph or chart you want and enter your information. Graph does the rest. Requires MS/DOS and IBM Color Graphics card.

PFS: WRITE \$125.00

Word Processor
PFS: WRITE is a word processor software package for the manager or professional who wants to produce written documents quickly and easily. WRITE has a clear, common language manual which makes it quick to learn. You don't have to relearn it each time you use it, because its commands are easy to remember. You also have fewer rewrites with WRITE, because what you see is what WRITE prints. PFS: WRITE is part of the integrated PFS Family of Software. You can create personalized form letters with PFS: FILE. Include data from other software programs in WRITE documents.

PETER NORTON UTILITIES

NORTON UTILITIES \$80.00

Utility
Your data could be in danger, unless you have the file recovery routines: UnErase and FileFix that are two of the useful Norton Utilities. Features include: Hidden File Control, Time and Screen Control, and Diskette File Sorting.

LOTUS DEVELOPMENT CORP.

1-2-3 \$495.00

Spreadsheet/Graphics/Database
The first software package that combines spreadsheet graphics and information management functions into a single software program. Allows you to move information from data files to spreadsheet analysis to graphic display in a matter of seconds, all without changing disks or re-entering data. Easy to use formulas can be entered in English and the program makes maximum use of the computer's function keys, including "HELP". Features include 256 columns and 2048 rows, twice the memory of other software, functions such as present, net present and future values, variance, standard deviation and internal rate of return. 1-2-3 can produce a bar chart, stacked bar chart, line or symbol graph. XY graph or pie chart. With 1-2-3 you can sort and extract a sales report that's compiled alphabetically and rearrange it numerically by salary, commission, territory — any way you want it, in less than a second. Requires two double sided disk drives.

ASHTON-TATE

D BASE II \$700.00

Database
dBase II is an assembly language relational data management system. It's an information handler, not a file handler. You don't have to get involved with set, lists, pointer and other complexities. Data entry is easy, and it can be programmed so that even untrained personnel can run applications. It has a full English like language of its own. Changing extending or modifying of databases takes only a few simple commands. Creating a new database is simply a matter of naming it, then deciding how big to make the fields and what kind of data to keep in them. Entire databases can be moved, copied, or otherwise manipulated without having to re-enter data. dBase II doesn't make you change the way you do business and lets you use your existing forms. With dBase II you can extend the power of your micro-computer to jobs that were previously reserved for larger main-frame, such as General Ledger, Journal of Accounts, Payroll, Check Management and Writing, Document Cross Referencing, Accounts Receivable, and Accounts Payable.

SORCIM

SUPERCALC 3 \$395.00

Spreadsheet
SuperCalc 3 is a highly sophisticated, easy-to-use financial tool that is an ideal spreadsheet for professional managers whose responsibilities include complex financial and numerical analysis. SuperCalc 3 helps solve modeling and forecasting problems, when produces presentation-quality graphics that help you make better decisions faster. The graphics are high-resolution, integrated graphics with which you can create line, bar and stacked bar graphs. Pie and exploding pie charts as well as Hi-Lo and X-Y graphs can also be utilized. Using your choice of eight font types and up to 99 colors, you can print as many as four charts on the same page. New financial functions such as internal rate of return, payments and future and present values make SuperCalc 3 work even better for you. You can use any existing SuperCalc or SuperCalc 2 files and VisiCalc logic with the new data search and extraction feature.

BRODERBUND

BANK STREET WRITER \$79.95

Word Processor
Bank Street Writer provides general word processing capabilities in a simple, uncomplicated program that anyone can have up and running in less than ten minutes. It has global search and replace, and remembers to go to the beginning before searching. It moves sections of text around according to your will and it puts them back if you change your mind. It indents and centers, though it doesn't justify. Uses lower and upper case and highlights text.

COMPREHENSIVE SOFTWARE

PC TUTOR \$59.95

Educational
PC TUTOR is a step-by-step instruction system designed to teach you how to use your IBM PC. PC TUTOR enables you to eliminate confusing instruction manuals. Just place the PC Tutor plain-language diskettes into your IBM PC, and learn by doing. Designed by computer training specialists, PC TUTOR makes learning easier, faster, cheaper.

MICROSOFT

FLIGHT SIMULATOR \$49.95

3-D Simulation
A real-time 3-D program that simulates a pilots sense of flying using the television monitor as the pilots windshield for a visual field. The flight instruments are displayed on the lower half of the screen. The player actually flies by using keyboard or paddle controls to interact with a 3-D data set at a frame rate of between three and five frames per second.

SIERRA ON-LINE

FROGGER \$34.95

Arcade
Move five frogs in a limited amount of time across four lanes of traffic, then jump on the backs of diving turtles and moving logs as you cross the pond to reach the safety of home. Once they are all home, the game advances to a level that threatens you with tightly spaced cars in the one fast lane, deadly snakes that patrol the bank, and logs, hungry alligators and others that move with the current. Logs become faster and fewer and the diving turtles usually disappear just when you need them. Gobble insects and escort a female frog home for some extra points. Includes sound effects and graphics.

EPYX

TEMPLE OF APSHAI \$40.00

Adventure
A role-playing game that catapults you into a world of magic and monsters — doomed cities and damsels in distress. It's also an alter-ego experience. Complex factors that make up a human being are abstracted into a few basic characters strength, constitution, dexterity, intelligence and ego. Via your role-playing character, you'll venture into an unknwon labyrinth and be at home with the like of skeletons, zombies, spiders and wraiths. Discover for yourself the fantasy world of Apschai! Requires IBM Color Graphics Card.

SPINNAKER SOFTWARE

SNOOPER TROOPS #1 \$44.95

Educational Game
As a Snooper Trooper, your job is to find out who is trying to scare the Kim family of their new home. But, it will take some daring detective work. You will have to question witnesses, uncover background information and even search dark houses to find the facts. Your equipment includes: a SnoopMobile, a wrist radio, the SnoopNet computer, a camera for taking Snoopshots and a notebook for keeping track of the information you uncover. Snooper Troops helps children learn to take notes, draw maps, classify and organize information and develop vocabulary and reasoning skills. Features full color graphics and sound. For ages 10 to adult.

"NIGHT MISSION" PINBALL \$39.95

Arcade
The NIGHT MISSION PINBALL program simulates a modern arcade-type pinball game. NIGHT MISSION's theme is a WW II night bombing run. In this multi-ball pinball game, up to 4 balls can be in motion simultaneously. Up to 3 balls can be captured in the dive bomb chute. They are all released when the ball drains, the proper sequence ABCD is met, or when the 4th ball enters the chute. The playfield have five bumpers, seven stand-up targets, nine rollovers and two spinners. A hole kicker that captures and holds a ball for a few seconds, and then kicks it out, is located above the striker pull gauge. Many of the parameters associated with these items are adjustable.

FACEMAKER \$34.95

Early Learning Fun
FACEMAKER is an educational program disguised as a game. The child can make a variety of faces and animate them. Eyes can be made to wink, ears wiggle, and lips move in any order the child likes. The computer will even play a memory game with the child. The computer will animate the face (s)he has created with a particular order of winks and wiggles, and the child has to press the keys necessary to produce the exact same pattern.

DAVIDSON & ASSOCIATES

MATH BLASTER \$49.95

Educational Game
Program contains a total of 675 words with sentences illustrating usage. 9 different levels for use by students of all ages. Includes an easy-to-use editor which allows you to add your own word lists and learn them while building your vocabulary skills.

WORD ATTACK \$49.95

Educational Game
Program contains over 600 problems in addition, subtraction, multiplication, division, fractions and decimals. The program's 25 data files provides concentrated attention on facts that are essential building blocks for more advanced mathematics. Has an easy-to-use editor for entering additional problems.

ATARISOFT

DEFENDER \$34.95

Arcade
The alien attack has come! Before your planet's defenses could react, their Landers were besieging you. They're kidnapping your humanoids and transforming them into mutants who will then strike at you! Backing their Landers are Baiters, Swarms, Bombers and the dread Pods. But you have the most advanced ship your world has ever devised — DEFENDER! As the battle begins, Defender has three lives and three Smart Bombs. When Defender collides with an alien ship or is hit by an alien mine, it explodes with a spectacular blast. If that's its last life, the game is over; if any lives remain, another Defender appears to continue the war.

SCARBOROUGH SYSTEMS

MASTER TYPE \$49.95

Typing Skills/Arcade
Master Type combines the fast action of video games with the development of typing skills techniques to produce highly motivated and enjoyable learning. After each of the 18 action-packed program segments, you'll see how you measure up.



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SOFTWARE PUBLISHING CORPORATION

PFS: FILE

Database

\$140.00

The PFS Software Series is designed to solve personal information management needs. PFS FILE, the first program in the series lets you create a data file by simply painting a form on the screen. No field formats, record sizes, or complex syntax strings are required. Key PFS FILE features include: True free form screen design, entry searching, and editing. Fast primary item form access. Multiple (up to 32) page forms allowed. Multiple line data items (up to a page each). Can print selected items from information in forms (such as mailing labels or phone lists). Up to 1000 one page forms can be stored on a single diskette.

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Business Graphics

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SORCIM

SUPERCALC 2

Spreadsheet

\$295.00

SuperCalc II kept the simplicity of its namesake. SuperCalc, while it added more of the capabilities that increasingly sophisticated users requested. It offers a number of new features, such as arithmetic and calendar functions, consolidation, sorting by rows or columns, enhanced formatting, greatly increased speed and other user productivity aids. It can also utilize the color, hard disk and expanded memories of the IBM PC XT.

ASHTON-TATE

THE FINANCIAL PLANNER

Finance (Available in MSDOS or CP/M-86 format)

\$700.00

A system for the construction of spreadsheet applications and financial planning language. Since it is a development system, users can develop their own reporting applications that involve multiple models and reports. The Planner is flexible, allowing you complete control over the order of processing. A separate report writer formats any number of reports. In addition, it allows you to perform complex consolidations supporting any number of levels in a hierarchy and performs goal-seeking. Key applications include profit and loss forecasts, budget planning, cash flow management, real estate development analysis, capital investment analysis and many others.

D BASE II

Database

\$700.00

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BPI

GENERAL LEDGER ACCOUNTING SYSTEM

Business

\$595.00

This program brings highly sophisticated computerized accounting within reach of all small businesses. It is written entirely in the language of the business and professional community. It can be used immediately in all businesses and requires no prior knowledge of computers. Reduces the difficult task of accounting and financial statement preparation to the simple task of making entries in selected journals. Even the tasks of making entries to journals has been simplified so that seventy percent of the labor required is eliminated. Thereafter, the posting of ledgers, the financial statement preparation and the closing of the books are accomplished entirely by automation. Converting to this system from a hand or mechanical system is a simple process. From a variety of journals and ledgers, each company can select the combination most suitable for its particular business. The chart of accounts and financial statements can be entirely customized.

PEACHTREE

PEACHTEXT 5000

Word Processor

\$395.00

PEACHTEXT 5000 is Peachtree's powerful new word processor with the ability to prepare, revise, and print documents. PEACHTEXT also allows you to create specialized documents using "IF-THEN" statements and variables, so the computer can make decisions and put text in the appropriate places. An easy-to-use full screen editor, compatibility with special print controls and a comprehensive user's manual help make PEACHTEXT 5000 the most sophisticated word processor available for your computer.

LOTUS DEVELOPMENT CORP.

1-2-3

Spreadsheet/Graphics/Database

\$495.00

The first software package that combines spreadsheet graphics and information management functions into a single software program. Allows you to move information from data files to spreadsheet analysis to graphic display in a matter of seconds, all without changing disks or re-entering data. Easy to use formulas can be entered in English and the program makes maximum use of the computer's function keys, including HELP! Features include 256 columns and 2048 rows, twice the memory of other software functions such as present, net present and future values, variance standard deviation and internal rate of return. 1-2-3 can produce a bar chart, stacked bar chart, line or symbol graph, XY graph or pie chart. With 1-2-3 you can sort and extract a sales report that's compiled alphabetically and rearrange it numerically by salary, commission, territory — any way you want it, in less than a second. Requires two double-sided disk drives.

INFORMATION UNLIMITED SOFTWARE

EASY FILER

Database (Requires 96K, MSDOS)

\$400.00

This advanced database manager and report generator lets the user store, sort, manipulate and retrieve company records, and produce timely, effective reports. Easy to use and simple to learn. Easy Filer allows you to custom-design an electronic file cabinet, as well as quickly enter, change and sort the information you want.

EASY PLANNER

Finance

\$250.00

Easy Planner gives the user programmability and interactive worksheet capability. "What-if" analysis is easy. Flexible and productive. It works with Easy Writer II for customized financial presentations. If you perform repetitive tasks such as price quotations or updates to budget forecasts, you can easily program a sequence of standard worksheets. Programs can be created to consolidate multiple worksheets or perform calculations conditionally. Program steps can be used to compare values and branch to another section of the program, load another worksheet program from disk, and load a block of values from another sheet. Practical applications include reports for Break-Even Analysis, Revenue and Profit Projections and Price Projections.

INFOCOM

ZORK I

Adventure

\$49.95

The great underground empire confronts you with perils and predicaments ranging from the mystical to the macabre as you strive to discover the Twenty-Treasures of Zork and escape with them and your life. First in the Zork Trilogy.

ZORK II

Adventure

\$49.95

In Part Two of the Great Underground Empire you are placed at the entrance to a long-hidden region of the empire, a region under the control of the Wizard of Frobozz. Many strange tests have been told of fabulous treasures, exotic creatures, and diabolical puzzles to be found here. The aspiring adventurer had best equip himself with light (for the caverns are dark and gloomy) and weapons (for some of the inhabitants are unfriendly).

ZORK III

Adventure

\$49.95

The Dungeon Master is the final test of your courage and wisdom in the Zork Trilogy. Your odyssey culminates in an encounter with the Dungeon Master himself and your destiny hangs in the balance.

DEADLINE

Mystery

\$59.95

You are about to investigate one of the deadliest points in the annals of crime. A locked door. A dead man. And 12 hours to solve the murder. Ahead of you, a treacherous web of motives and suspicion. Only by bringing into play your utmost skills of logic and intuition can you successfully solve the case.

WITNESS

Mystery

\$59.95

The Witness is the second game in the infocom mystery series. From writing to personalities to settings to packaging. The Witness reflects the classic whodunits of the 1930's in incredible detail. Mystery enthusiasts will love the packaging which includes a user's manual than looks just like a 1930's detective magazine. The rest of the packaging is also full of clues.

SUSPENDED

Strategy

\$59.95

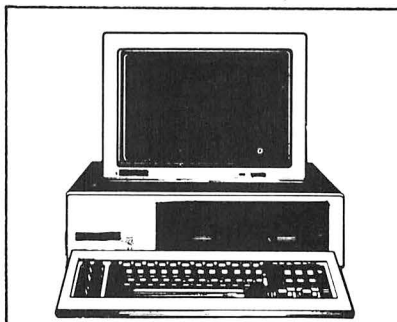
In Suspended you will strategically manipulate six robots. Each has a distinct perception of the world and offers you specific abilities. For instance, one specializes in sight, a second in hearing and a third in accessing information from computer memory banks. Through them, you will solve an intertwined myriad of realistic and original problems. Suspended continually challenges you to hone your strategies and develop new ones, to explore new areas and interactions, and in so doing to improve your score each time you play. The game is also designed so that you can alter conditions at will before starting, effectively allowing you to customize the game whenever you desire.

STARCROSS

Adventure

\$49.95

The year is 2186. You are destined to rendezvous with a gargantuan starship from the outer fringes of your galaxy. But first you must succeed in gaining entry to its mysterious interior. Once you enter you will face other-worldly beings both helpful and harmful. Only you can meet the challenge that was issued eons ago, from light years away.



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VISICORP

VISICALC \$250.00

Spreadsheet (Apple IIe)
VisiCalc displays a huge electronic worksheet that replaces paper, pencil and calculator to automatically solve nearly any number problem. The wall-sized worksheet can contain more than six typewritten pages of information. Just type in labels, numbers and mathematical formulas and VisiCalc instantly calculates the results. Then play "What if...?" — change one variable and VisiCalc automatically recalculates the entire problem so you can see the effect!

APPLIED SOFTWARE TECHNOLOGY

VERSAFORM \$389.00

Form Processor (Apple II, II+, 64K)
A powerful system specifically designed for total forms processing on a personal computer. It requires no computer background to use — if you can design a rough form with a pen and ruler, you can instruct VersaForm to automate your business records. This system operates within the familiar structure and work flow of existing pre-printed forms, making it possible to use your computer with only minimal changes in the way you now do things. VersaForm can even be instructed to catch mistakes people often make with both forms and computers. Purchase orders, invoices, statements, sales orders, personnel index forms — the documents that all businesses require — can now be processed by VersaForm. It also performs many functions usually assigned to data base managers and file management systems such as directories, name lists, inventory management and shop floor reports. Once the information has been entered and processed, it can be sent back to a pre-printed form or blank paper that becomes its own form. Management reports can be produced summarizing information from the completed forms.

SCARBOROUGH SYSTEMS

MASTER TYPE \$39.95

Typing Skills/Arcade
Master Type combines the fast action of video games with the development of typing skills techniques to produce highly motivated and enjoyable learning. After each of the 18 action-packed program segments, you'll see how you measure up.

BEAGLE BROS.

APPLE MECHANIC \$29.50

Utilities
APPLE MECHANIC is a multiple-utility disk. It consists of nine useful, listable, copyable and customizable programs including: SHAPE EDITOR: Put Professional hi-res animation in your programs. Keyboard-draw any shape and let your Apple write a shape table and store it on disk. Design large and small custom typefaces too, with special characters. There are six fonts on the disk. Listable demos show how to use shape table to animate games, graphic displays, and attractive charts and graphs. This program is a valuable time-saving utility/learning tool. BYTE ZAP: This utility program allows you to rewrite any byte on a disk by loading a sector onto the screen for inspection. Display can be Hex/Dec/Ascii. Examine bytes via cursor control; enter hex, dec or ascii to change. Create illegal filenames, restore deleted files, change greeting program names, repair/protect disks, change DOS, examine program files. Clear illustrated instructions show how disk data is stored and how to access it!

BRODERBUND SOFTWARE

BANK STREET WRITER \$69.95

Word Processor
Bank Street Writer provides general word processing capabilities in a simple, uncomplicated program that anyone can have up and running in less than ten minutes. It has global search and replace, and remembers to go to the beginning before searching. It moves sections of text around accordingly to your will and it puts them back if you change your mind. It indents and centers, though it doesn't justify, uses lower and upper case and highlights text.

CHOPLIFTER \$34.95

Arcade Game
Your mission is to rescue hostages from behind enemy lines. You must maneuver your helicopter through a sky full of enemy jet fighters and air mines. Once you've landed, hostages will run toward you through a barrage of tank fire and air-to-ground missiles while you try to hold off the enemy. Each flight back to safety is particularly nerve-wracking, since a full load of hostages will perish if you go down!

STONEWARE

DB MASTER \$350.00

DataBase
DB MASTER — VERSION FOUR is an update of Version Three. Added to the powers of Version Three are many new features which made possible by using an additional 16K of memory. The programmers have greatly improved the speed of DB Master's screen displays, random searches and report printing. Version Four allows the user to have up to 100 characters in an alphanumeric field. For greater ease of use, a Field Editor has been included. This feature is similar to a word processor, allowing the user to add, insert and delete text anywhere in a field, without having to re-enter the entire field. A new feature available when editing records allows the user to modify a record and then store it either has a new record or as the revised original record. For example, an order from an existing customer may be added easily as a new record without having to retype name, address and other duplicate information.

BPI

GENERAL LEDGER ACCOUNTING SYSTEM \$395.00

Business
Brings highly sophisticated computerized accounting within reach of all small businesses. It is written entirely, in the language of the business and professional community. It can be used immediately in all businesses and requires no prior knowledge of computers. Reduces the difficult task of accounting and financial statement preparation to the simple task of making entries in selected journals. Even the tasks of making entries to journals has been simplified so that seventy percent of the labor required is eliminated. Thereafter, the posting of ledgers, the financial statement preparation and the closing of the books are accomplished entirely by automation. Converting to this system from a hand or mechanical system is a simple process. From a variety of journals and ledgers, each company can select the combination most suitable for its particular business. The chart of accounts and financial statements can be entirely customized.

SUBLOGIC

FLIGHT SIMULATOR \$49.95

Simulations
Combine first-rate flight simulation with some of the best 3-D animation graphics available and the result is the A2-FS1 Flight Simulator. Practice take-offs and landings, steep turns, rolls, and other aerial maneuvers. If you feel in control of your plane, declare war and head to enemy territory where your mission is to destroy the enemy's fuel depot.

"NIGHT MISSION" PINBALL \$34.95

Arcade
The NIGHT MISSION PINBALL program simulates a modern arcade-type pinball game. NIGHT MISSION's theme is a WW II night bombing run. In this multi-ball pinball game, up to 4 balls can be in motion simultaneously. Up to 3 balls can be captured in the dive bomb chute. They are released when the ball drains, the proper sequence ABCD is met, or when the 4th ball enters the chute. The playfield has five bumpers, seven standup targets, nine rollovers and two spinners. A hole kicker that captures and holds a ball for a few seconds, and then kicks it out, is located above the striker pull gauge. Many of the parameters associated with these items are adjustable.

BLUECHIP SOFTWARE

MILLIONAIRE \$59.95

Strategy
Millionaire is a fun, complex game and a real education in the art of playing the stock market. The object is to become a millionaire in the stock market. At first this is done solely through investments, but as the player's fortune builds, options expand. A game takes about two hours and is played a "week" at a time over the course of 77 weeks. The same kind of information used by real-life investors is provided to help the player make informed decisions: charts of overall market activity over an extended period of time, charts of the performance of select industry segments, tables showing highs, lows and the most recent price for each stock in the news. It keeps complete records of performance and holdings for up to 14 players.

SIR-TECH SOFTWARE

WIZARDRY \$49.95

Fantasy
You can choose from 5 races and 8 professions to create up to 6 characters, each with their own strengths and weaknesses. These characters explore a dungeon, fighting groups of monsters, casting spells, finding treasure and magic items, and amazing clues to solve the puzzle presented in each scenario. Some of the special features for Wizardry include 3D dungeon graphics, tricks and traps to snare the intruder, hundreds of monsters, pits, chutes, rotating rooms, teleporters, special one-of-a-kind surprises and much more.

DATASOFT

ZAXXON \$39.95

3-D Arcade
The official home computer version of the highly popular arcade game. Unique color graphics surround you as you pilot your aircraft, anti-aircraft tanks, and nerve-shattering sound effects. For one or two players.

POO YAN \$29.95

Arcade
Poo Yan requires quick reflexes and fast thinking as you battle a pack of vicious, hungry wolves in order to protect helpless piglets roaming the forest. Clinging to air-filled balloons, the wolves travel up and down the forest valley as you glide up and down in a tram car. As the wolves hurl objects, you try to lure them out of battle by tossing chunks of meat at them. You also have a weapon on hand — a bow-and-arrow. For one or two players. Poo Yan includes two scenarios and colorful graphics. Joystick required.

INFOCOM

ZORK I \$39.95

Adventure
The great underground empire confronts you with perils and predicaments ranging from the mystical to the macabre as you strive to discover the Twenty Treasures of Zork and escape with them and your life. First in the Zork Trilogy.

SIERRA ON-LINE

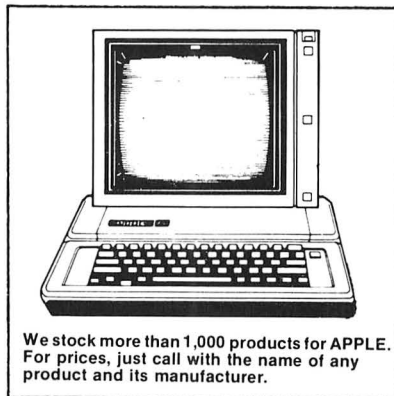
FROGGER \$34.95

Arcade
Move five frogs in a limited amount of time across four lanes of traffic, then jump on the backs of diving turtles and moving logs as you cross the pond to reach the safety of home. Once they are all home, the game advances to a level that threatens you with tightly spaced cars in the one fast lane, deadly snakes that patrol the bank, and logs, hungry alligators and others that move with the current. Logs become faster and fewer and the diving turtles usually disappear just when you need them. Gobble insects and escort a female frog home for some extra points. Includes sound effects and graphics.

CBS SOFTWARE

MURDER BY THE DOZEN \$34.95

Deductive Reasoning
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SIRIUS SOFTWARE

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Typing Skills (disk) **\$39.95**
Type Attack teaches typing skills in an arcade-style format. The game includes 39 pre-programmed lessons, a Lesson Creator with which users can create their own lessons, and a real-time words-per-minute bar with player selected speeds from 1-99 WPM.

EPYX

TEMPLE OF APSHAI
Adventure (cassette or disk) **\$40.00**
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SYNAPSE OF SOFTWARE

BLUE MAX
Arcade **\$34.95**
On June 19, 1915, while flying on a reconnaissance mission, Max Chatsworth watched as his entire squadron was cut to ribbons by enemy planes. When he returned to base he vowed to avenge the death of his comrades. The following month he shot down 13 enemy planes. The Axis offered the Blue Max decoration — the highest medal — to any pilot who would shoot down Max Chatsworth, nicknamed "The Blue Max." Now you are the Blue Max of the R.A.F. in command of a bi-plane fighter/bomber. Your mission is to pulverize the enemy's airfields and bridges and to destroy as many enemy fighters as possible.

SPINNAKER SOFTWARE

SNOOPER TROOPS #1
Reasoning Game (disk) **\$39.95**
As A Snooper Trooper, your job is to find out who is trying to scare the Kim family out of their new home. But, it will take some daring detective work. You will have to question witnesses, uncover background information and even search dark houses to find the facts. Your equipment includes: a SnoopMobile, a wrist radio, the SnoopNet computer, a camera for taking Snoopshots and a notebook for keeping track of the information you uncover. Snooper Troops helps children learn to take notes, draw maps, classify and organize information, and develop vocabulary and reasoning skills. Features full color graphics and sound. For ages 10 to adult.

STORY MACHINE

Reading Skills (disk) **\$34.95**
STORY MACHINE is an educational game that helps children learn to write sentences, paragraphs and simple stories. With STORY MACHINE, the child experiences the excitement of creating stories and seeing them come to life, using a vocabulary of 38 words which includes nouns, verbs, prepositions and other parts of speech. For example, the child types the sentence: The boy walks to the tree. The screen will act out the sentence showing the boy walking to the tree, using full color graphics and sound. STORY MACHINE helps children learn to write correctly and provides familiarity with the computer keyboard.

THE MOST AMAZING THING

Adventure (disk) **\$39.95**
As pilot of the B-Liner (a cross between a hot air balloon and a dune buggy), players must use strategy and learning skills in order to discover the location and identify The Most Amazing Thing. In their search, players learn how to fly the B-Liner, use their jetpack, trade with Metallican robots, and communicate with the Darksome Mire cultures for clues to locate The Most Amazing Thing.

ALPHABET ZOO

Spelling (disk) **\$29.95**
It's a race. It's a chase. It's a ALPHABET ZOO. It teaches children the relationship of letters and sounds. And also how to spell while they're having fun. It's two zany games in one. In both, you pick your players (maybe Tomato Head Fred or Millie Mushroom). And you pick your playing level. Then off you go racing through the maze, after the letters that fit the picture on the screen. Be quick through. The letters may move, and time is running out! Colorful graphics and great sound effects add to the fun, making ALPHABET ZOO so entertaining your kids will be laughing and learning at the same time. ALPHABET ZOO helps children strengthen their letter recognition skills as they associate letters of the alphabet with the sounds they represent. The game also helps sharpen a child's spelling skills.

KINDERCOMP

Early Learning Fun (disk) **\$34.95**
KINDERCOMP is a great way to introduce young users to computer learning. KINDERCOMP lets children learn about the computer while they're having fun. KINDERCOMP is five games in one. The first game, DRAW, lets your child easily create colorful pictures on the screen using either a joystick or the keyboard. SCRIBBLE lets your child select any keyboard key and then see it displayed on the screen with bright colors and lively sounds. NAME lets children see their name like they've never seen it before. Just type the name in, and the computer shows the child's name in a variety of colorful ways. SEQUENCE presents the child with four sequential numbers and asks the child to fill in the fifth. Correct answers bring colorful rewards. MATCH presents your child with a series of shapes or letters and asks your child to match them with one of the three choices given.

FACE MAKER

Early Learning Fun (disk) **\$34.95**
FACEMAKER is an educational program disguised as a game. The child can make a variety of faces and animate them. Eyes can be made to wink, ears wiggle, and lips move in any order the child likes. The computer will even play a memory game with the child. The computer will animate the face (s)he has created with a particular order of winks and wiggles and the child has to press the keys necessary to produce the exact same pattern. Behind this program are the following educational objectives.

MUSE


CASTLE WOLFENSTEIN
Adventure **\$29.95**
Castle Wolfenstein is an action adventure game demanding fast thinking and quick manual response. You have been captured by the Nazis and brought to the Castle. Your mission: find the hidden war plans and escape Castle Wolfenstein alive. You must venture past guards, through rooms and dungeons, and search numerous chests for the additional ammunition and protective shielding you'll need if you hope to complete your mission. An unlimited variety of castle layouts is generated, each more difficult to escape than the last. The guards are ever on your trail, so watch out!

SUBLOGIC

"NIGHT MISSION" PINBALL
Arcade (disk) **\$29.95**
The NIGHT MISSION PINBALL program simulates a modern arcade-type pinball game. NIGHT MISSION's theme is a WW II night bombing run. In this multi-ball pinball game, up to 4 balls can be in motion simultaneously. Up to 3 balls can be captured in the dive bomb chute. They are all released when the ball drains, the proper sequence ABCD is met, or when the 4th ball enters the chute. The playfield has five bumpers, seven standup targets, nine rollovers and two spinners. A hole kicker that captures and holds a ball for a few seconds, and then kicks it out, is located above the striker pull gauge. Many of the parameters associated with these items are adjustable.

BLUECHIP SOFTWARE MILLIONAIRE

Strategy (disk) **\$59.95**
Millionaire is a fun, complex game and a real education in the art of playing the stock market. The object is to become a millionaire in the stock market. At first this is done solely through investments, but as the player's fortune builds, options expand. A game takes about two hours and is played a "week" at a time over the course of 77 weeks. The same kind of information used by real-life investors is provided to help the player make informed decisions: charts of overall market over an extended period of time, charts of the performance of select industry segments, tables showing highs, lows and the most recent price for each stock in the news. It keeps complete records of performance and holdings for up to 14 players.



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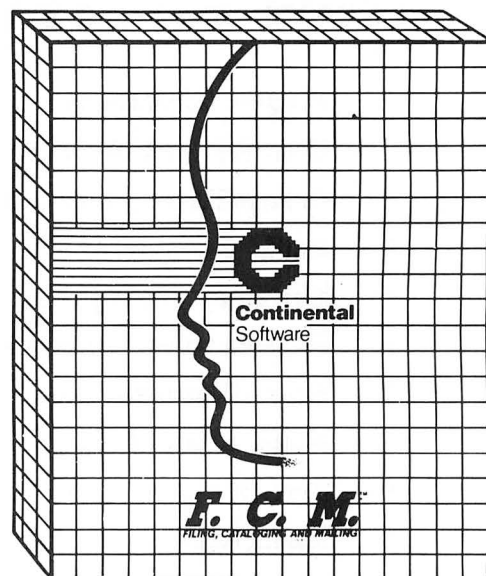
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128K IBM PCjr, DOS 2.1, one double-sided disk drive, printer (132 column optional)

48K Apple II/IIe, one or two disk drives, printer (132 column optional)

128K IBM PC/XT, DOS 1.1, 2.0 or 2.1, two double-sided-disk drives, 1 display card (monochrome or color), printer (132 column optional), DOS 2.0 or 2.1 require double-sided disk drives (or hard disk)

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