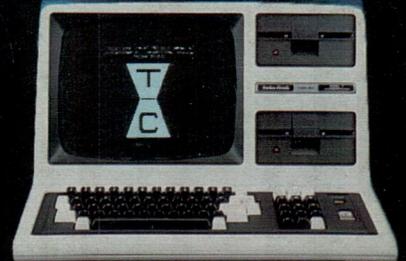
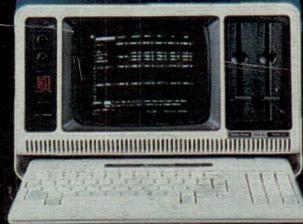


# Radio Shack®

THE BIGGEST NAME IN LITTLE COMPUTERS® • 1984 TRS-80® CATALOG

Presenting the TRS-80 for 1984 — the broadest line of microcomputers in the world! A Radio Shack TRS-80 can become the hub of a powerful multi-user office system, increase personal productivity, entertain and educate at home, fit in your pocket for on-the-go problem-solving, and much more. For performance and value, there's no better choice than a TRS-80 from Radio Shack!



CATALOG NO. RSC-10

# NEW! MODEL 4P "TRANSPORTABLE"

A Completely Portable Version  
Of Our Model 4 Computer

**NEW FOR '84** 1799<sup>00</sup>

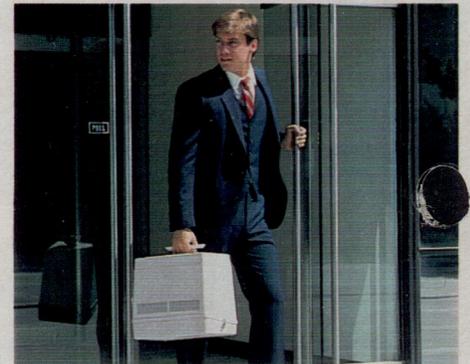
Commercial Lease Available For Only \$65 Per Month  
(Plus Applicable Use/Sales Tax)

- Totally Software Compatible With All Model 4 Programs
- 9" High-Resolution 80 x 24 Display
- 2 Built-In 184,000-Character Double-Density 5 1/4" Disk Drives
- Typewriter-Style Keyboard with 12-Key Numeric Keypad
- 64K Memory—Expandable to 128K
- Use Extra Memory As a Super-Fast RAM-Based "Disk Drive"
- Parallel Printer Interface
- Expand with Optional Built-In Modem, External Hard Disk Drives, Graphics and CP/M Plus™ Operating System



Take Model 4P  
With You—  
It's Only 26 Pounds!

Available 11/15/83



**TRS-80 Model 4P.** Now get the versatility of our popular TRS-80 Model 4 desktop computer in a compact system you can take anywhere! The Model 4P is easy to carry—and it's small enough to stow in overhead luggage racks on planes, trains or buses. It's the perfect computer for our mobile society!

**Use Thousands of Programs.** Model 4P can use all Model 4 disk software. It can also run all Model III TRSDOS® and LDOS™ disk programs (in Model III mode) without change. So a huge software library is already available. And Model 4P

## Who is the Model 4P for?

This portable computer is designed for managers with work that just can't wait until they return to the office. The compact size of the Model 4P makes it usable anywhere where there's an AC outlet. Its software flexibility allows almost any task at hand to be performed—word processing, accounting, forecasting, programming, graphic presentations and much more.

is compatible with the CP/M Plus™ operating system which opens the door to literally thousands of applications.

**Big on Features.** Unlike some transportables, Model 4P is without compromise. You can depend on it as your desktop computer because of true desktop features. Rather than a small display screen, Model 4P features a full 80-character by 24-line 9" display that can be upgraded to provide optional 640 x 240 high resolution graphics. The full-size keyboard features CONTROL, CAPS and three function keys. And you can add the internal direct-connect modem board to communicate with other computers and to access information services.

**Superior Operating System.** The new TRSDOS 6 operating system lets you use extra memory as a superfast disk drive. The result? Keystroke-quick responses instead of time-consuming disk access. The software print spooler allows you to print out a job at the same time you're using Model 4P for other tasks. A Job Control Language lets you set up a whole series of operations for your Model 4P to perform without supervision.

**Thorough Documentation.** Model 4P comes with Microsoft® Disk BASIC and TRSDOS 6 operating system, owner and programming manuals, reference card, and an introduction to your computer that gets you started immediately. Hi-impact ABS case. Built-in carry handle. U.L. listed.

26-1080 . . . . . 1799.00

**Model 4P Modem Board.** Direct-connect auto-dial/auto-answer 300 bps modem features full/half-duplex and originate/answer modes. Completely software compatible with our Direct-Connect Modem II (26-1173). User-installable. 26-1084 Avail. 12/30/83 . . . . . 149.95

**SPECIFICATIONS.** Microprocessor: 4 MHz Z-80A (2 MHz in Model III mode). Memory: 64K RAM, expandable to 128K. Provides for disk drive emulation in RAM, only 64K addressable from BASIC. Keyboard: 70-key typewriter-style with datapad, plus CONTROL, CAPS and 3 programmable function keys (F1, F2, F3). Video Display: 80 x 24 (Model 4 mode), 64 x 16 (Model III mode), or double-width 40 or 32 characters per line. Upper and lower case. Reverse video (Model 4 mode). 96 text, 64 graphics and 96 "special" characters. Language: Microsoft 5.0. Sound: Obtainable from BASIC. Toggled "keyclick". Disk Drives: Two built-in double-density 184K 5 1/4" drives. External Connections: Parallel printer port. Buffered input/output bus. Dimensions: 16 1/2 x 13 1/4 x 9 3/4". Power: 120VAC, 60 Hz.

# RADIO SHACK - THE COMPUTER EXPERTS



## The Biggest Name in Little Computers

Radio Shack started a microcomputer revolution with the introduction of the first TRS-80® in 1977. Today, we continue as an industry leader by bringing you the broadest line of microcomputers in the world. And we have over 400 Radio Shack Computer Centers nationwide, staffed by professionals who can help you select just the system you need.

## High Performance. Yet Low Cost

Each computer in our line starts at much less than you would expect to pay for its powerful capabilities and features. The reason is simple: economies of scale and our own manufacturing facilities make every TRS-80 model a tremendous value.

## It's Easy to Expand a TRS-80 Computer

You can enjoy the TRS-80 computer system you need right now without having to pay for "more computer" than you will use. Later, as your needs grow or change, you can add more capacity through accessories and expansion options. You can purchase a TRS-80 with full confidence that it can expand to meet tomorrow's requirements.

## Wide Selection of Software

We offer more ready-to-run software than any other microcomputer manufacturer. Choose from a variety of personal programs and problem-solvers. Professionals can use our software for accounting, forecasting, engineering and word processing. Educators appreciate our full line of courseware. And there's much, much more!

## Complete Line of Accessories

We have a full line of peripherals and accessories to complement your TRS-80 computer: quality dot-matrix and formed-character printers, color plotters and digitizers, external floppy disk and hard disk drives for increased capacity, modems for telephone communications, plus accessories and supplies that help you get the most from your TRS-80 system.

## Leasing Plans

Your business can lease any computer system valued over \$1500 on a 37-month lease. And since it is a true lease, payments may be fully tax deductible as a business expense.

## Get it on Credit

Radio Shack honors MasterCard, Visa and American Express. With your Radio Shack/CitiLine card, you can finance initial purchases of \$225 or more and subsequent purchases of \$100 or more.

## Service Agreements

Over 300 company operated repair centers nationwide service our computers. We also offer "Carry-In" and "On-Site" service. And our Customer Service Representatives will help you with after-the-sale questions or problems.

## Expanded Computer Departments

Over 600 of our Radio Shack stores have Expanded Computer Departments that carry the full line of TRS-80 computers, peripherals, software and other business products. These Departments have trained experts who can help make your selection of a TRS-80 computer system easier.

## Technical Hotline

Help is just a phone call away. The experts in our Computer Services Department will assist you with any TRS-80 related question you might have.

## TRS-80 Newsletter

This monthly publication is packed with operating tips, product news and tutorials, plus programs and ideas from TRS-80 users.

## The Best Support

Over 8800 outlets worldwide stock our TRS-80 equipment. So stop by your nearest Radio Shack Computer Center, participating store or dealer for a hands-on demonstration today!

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## Quantity Discounts

Product	6-11 of 1 item	12-49 of 1 item	50-499 of 1 item	500-Up of 1 item
Software, Books, Accessories, Ribbons, Paper	10%	15%	17%	20%
Model 100, MC-10, Pocket & Color Computers, Printers, Peripherals	5%	10%	15%	20%
Model 4 Cassette Computers	5%	7%	10%	15%
Model 4/4P Disk Computers, Model 12 and 16B Computers	5%	10%	(See store manager for quantities over 20.)	

For discounts on diskettes and cassettes, see page 40. All prices and terms optional in Dealer/Franchise stores. Prices are subject to change without notice.

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# THE ADVANCED TRS-80 MODEL 16B



**NEW FOR '84**

Priced From **4999<sup>00</sup>**

Commercial Lease Available for Only \$175 Per Month (Plus Applicable Use/Sales Tax)

**Accomplish Complex Tasks With Ease.** The TRS-80 Model 16B puts superior performance in a compact desktop system! Advanced 16/32-bit technology permits the Model 16B to utilize much more memory and process data at much higher speeds than 8-bit micros. And now it features additional memory, easy user expansion and the TRS-XENIX multi-user operating system that lets you turn Model 16B into a three or six-workstation office system (see page 5). You can even choose Model 16B with built-in hard disk!

## Who is the Model 16B for?

Everyone who wants the most advanced microcomputer technology at their disposal needs the TRS-80 Model 16B. It's ideally suited for today's offices, providing simultaneous job-handling *without* the expense of multiple computers. It offers the high operating speeds and large memory capacity that many business users require. And it can handle complex, computation-intensive jobs and highly sophisticated programs that only a 16-bit computer can.

256K 1-Disk

- 256,000 Characters of Internal Memory—Expandable to 768,000 Characters
- Includes TRSDOS Single-User and TRS-XENIX™ Multi-User Operating Systems
- Choose One or Two Built-In 1,250,000-Character 8" Floppy Disk Drives or Our New Powerful System With One Floppy Drive and 15-Megabyte Hard Disk Built-In
- Unique Dual-Processor Design ■ Four Internal Plug-In Expansion Slots

**Advanced 16/32-Bit Technology.** Model 16B is designed around a state-of-the-art 68000 microprocessor that accepts 16-bit data and processes it internally as 32-bit "words". A second microprocessor—the Z-80A—handles input/output and a variety of other "housekeeping" chores.

**Software Compatible With Model II/12.** Model 16B can use existing Model II/12 software (in the single-user mode only), plus new software designed to take advantage of Model 16B's advanced features.

**Expandable.** Two RS-232C serial communication interfaces and a parallel printer interface allow expansion with a variety of peripherals. Add high-resolution graphics, additional memory and more via the user-accessible card cage. Expand with up to four external 12-megabyte Hard Disks for over 50 million characters of storage.

**Deluxe Features.** Model 16B includes a high-resolution 12" green video display with 24 lines of 80 characters, and a detachable typewriter-style keyboard with numeric keypad and 8 function keys. You can choose Model 16B with either one or two built-in 1,250,000-character double-sided, double-density 8" slim-line disk drives.

**256K 1-Disk Model 16B.** 26-6004 . . . 4999.00

**256K 2-Disk Model 16B.** 26-6005 . . . 5798.00

**NEW! Built-In Hard Disk.** Model 16B now comes with a self-contained 1.25-megabyte 8" floppy disk drive *and* a 15-megabyte hard disk drive to give you a very powerful computing system! Access up to 15 million characters on hard disk—with the ability to add up to one more external hard disk drive for a total of 27 million characters of hard disk storage!

**256K 1-Disk Model 16B With 15-Megabyte Hard Disk.** 26-6006 . . . . . 6999.00

**SPECIFICATIONS. Microprocessors:** 6 MHz MC68000 16/32-bit CPU and 4MHz Z-80A 8-bit CPU. Direct memory access and vectored interrupts. Memory management includes protected system mode and three user spaces. **Memory:** 256K RAM bytes, expandable to 768K. 16K I/O memory and 2K video memory. **Keyboard:** 82-key professional-type, including Numeric Entry Keypad. Special keys include HOLD, ESCape, BREAK, CTRL, CAPS and REPEAT, plus Up, Down, Right and Left arrow keys and eight programmable Special Function Keys (F1 thru F8). **Video Display:** High-resolution 12" green display monitor with 80 or 40 characters per line by 24 lines. Displays upper and lower case characters with descenders plus 32 "business graphics" characters. Automatic scrolling. Partial screen scroll protect available. **Disk Drive:** One or two built-in double-sided, double-density 8" slim-line floppies (one floppy and one 15-megabyte hard disk). **External Expansion:** Add up to two 1.25-megabyte floppies and four (or one) 12-megabyte hard disks. **Internal Expansion:** User-accessible Card Cage provides additional plug-in card slots. **External Connections:** One standard parallel port and two RS-232C serial ports. **Dimensions:** 14 x 21 1/4 x 23 1/2". **Power Requirements:** Built-in filtered power supply for 120VAC, 60 Hz. U.L. listed.

# TRS-XENIX™ MULTI-USER SYSTEM

Complete 3-Workstation  
Office Computer System

8397<sup>00</sup>\*

Commercial Lease Available Only \$290 Per Month  
(Plus Applicable Use/Sales Tax)

- Allows Three Operators to Access Different Programs Simultaneously
- Derived From Western Electric's UNIX™ Operating System
- Specially-Designed Multi-User Software Available Now

### Ideal for Small Business Applications.

TRS-XENIX lets you provide the power of the Model 16B to three people in your office without buying three separate systems. Think of it. Three people. All performing different tasks, all at the same time, on the same computer! And with the addition of the new 3-User RS-232 Card (below), up to six people can utilize the Model 16B!

### A Powerful Office Computer System.

The system shown includes the 256K TRS-80 Model 16B with built-in 15-megabyte Hard Disk Drive (26-6006) and two of our DT-1 Data Terminals (26-6050). This complete system costs much less than buying three Model 16B computers!

**What Makes It Possible?** The TRS-XENIX Multi-User Operating System is a state-of-the-art operating system that comes with every TRS-80 Model 16B. It was developed by Microsoft Corporation, and is derived from Western Electric's thoroughly field-tested UNIX operating system. Fur-



thermore, it's simple to set up a multi-user system. The TRS-XENIX "core" (or runtime package) includes the modules required to easily implement and operate this powerful system.

**The Value of Shared Resources.** Using TRS-XENIX, all data can be conveniently stored on the Model 16B's hard disk. Files can then be shared by all users in the system, or restricted to certain users. (Record locking prevents two users from writing to the same record at the same time.) And everyone in the system can

share the peripherals attached to the Model 16B—from printers to plotters to modems.

**Specially-Designed Software.** Think of the possibilities. Your sales department could check inventory levels while someone in accounting updates your general ledger—at the same time someone is working on payroll! And there is now a variety of multi-user software for your business needs. (Note: Some software requires 384K with 3 users.)

\*Price does not include required cables and installation.

## Expansion Options for Model 16B and the TRS-XENIX System

### Internal Memory Expansion

The Model 16B comes with a 256K-byte RAM board. A 128K memory board may be added, complete with the provisions to add a 128K "chip kit". Add even a third board and chip kit to expand memory to 768K.

#### New Low Price! 128K Memory Board.

Was \$699.00 in Cat. RSC-9.

26-6011 ..... 599.00\*

#### New Low Price! 128K Memory Kit. Was \$499.00 in Cat. RSC-9.

26-6012 ..... 299.00\*

### TRSDOS Diskette

Model 16B's TRSDOS operating system is virtually "library command" compatible with our TRS-80 Model II/12 TRSDOS. Includes Editor/Assembler for assembly language program development in single-user applications.

#### Replacement Diskette Only.

26-6105 ..... 39.95

\*Price does not include required installation.

### New! RS-232 Card Allows Larger TRS-XENIX System

**Doubles System Efficiency!** Now you can give six people in your office the power of the Model 16B! The new 3-User RS-232 Card is a printed circuit board that installs in one of the plug-in card slots in a Model 16B or upgraded Model 12. Connectors are located on the RS-232 Card, giving you the ability to add three more individuals to a TRS-XENIX office system.

**Cost-Effective Way to Increase Productivity.** With the 3-User RS-232 card, six users can have their own low-cost data terminals for keyboard applications—and can conveniently share files located on the hard disk, as well as the peripherals attached to Model 16B.

**Greater Business Control.** Using the 3-User RS-232 Card and Model 16B's multi-user software, you could have a complete interactive accounting operation with users simultaneously accessing six different accounting programs, such as general ledger, accounts receivable, accounts payable, payroll, order entry and sales analysis. Get the job done faster and more efficiently—and without any perceived loss of computer performance!

**3-User RS-232 Card.** Requires a minimum of 512K memory (768K recommended). Requires installation, not included. 26-6013 ..... 299.00

### TRS-XENIX Memory Requirements and Recommendations

With three users, most TRS-XENIX applications will run effectively with a minimum of 256K memory. With some applications, three operators accessing large programs may require 384K memory and, in such cases, we recommend 512K. When more than three users are accessing large programs, 512K memory is the minimum requirement and users will obtain better performance with 768K. In general, more memory means higher performance.

# MODEL 12 BUSINESS COMPUTER



Priced From  
**3199<sup>00</sup>**

With 1 Disk Drive

Commercial Lease Available  
For Only \$110 Per Month  
(Plus Applicable Use/Sales Tax)

- One or Two Built-In 1.25Mb Double-Sided, Double-Density 8" Disk Drives
- Big 80K Memory Handles Tough Jobs Easily ■ Upgradable to 16-Bit Power
- Detachable 82-Key Keyboard with Numeric Datapad and Eight Function Keys
- Built-In 12" High-Resolution Monitor Displays 24 Lines of 80 Characters
- Two RS-232C Serial Interfaces and Parallel Printer Port for Expansion
- Choose Ready-to-Run Programs ■ Compatible with All Model II Software

**TRS-80 Model 12.** An ideal single-user business microcomputer. It's a stand-alone multi-purpose workstation that combines high power with low cost. It has the storage capacity and expandability that make it the right computer for countless applications, and for both small businesses and departmental use in large businesses.

## Who is the Model 12 for?

The TRS-80 Model 12 is our best single-user business computer—ideal for professional applications. Its versatility and power in handling word processing, data base filing, planning and accounting tasks make it the logical business machine choice. The Model 12 is also the ideal workstation for large corporations. It can be used as a management assistant, in program development, even for bisynchronous communications with mainframe computers.

**Accounting.** Model 12 can streamline general ledger, payables, receivables, inventory, payroll and other tasks for increased speed and accuracy. It can prepare P&L statements, speed up collections, improve your cash flow, analyze sales information, and more. Our user-oriented programs make it easy.

**Program Development.** We offer a choice of languages to meet your specific requirements. In addition to Model 12 Interpretive BASIC, we have Compiler BASIC, FORTRAN, Assembler and COBOL.

**Management Assistant.** Model 12 can help you with planning and forecasting, word processing, electronic filing and more. It lets you do jobs too "hot" for shared computer time or too small for cost-effective handling by your company's mainframe.

**Easy Expansion.** Model 12 can be used with a variety of peripherals. Add hard disk or floppy disk drives, a printer, plotter, digitizer, modem and more.

**Complete Documentation.** Includes comprehensive reference manual and a diskette that contains Model 12 BASIC and TRSDOS operating system. U.L. listed.

**1-Disk Model 12.** 26-4004 . . . . 3199.00

**2-Disk Model 12.** 26-4005 . . . . 3999.00

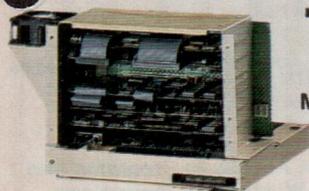
**TRSDOS 4.2 Replacement Diskette.** Includes BASIC. 26-4912 . . . . . 24.95

## Model 12 Specifications

**Microprocessor:** 4MHz Z-80A 8-bit processor. Separate keyboard and video processors. Direct memory access and vectored interrupts. **Memory:** 80K RAM. **Keyboard:** 82-key professional-type, including numeric entry keypad. Special keys include HOLD, ESCape, BREAK, CTRL, CAPS and REPEAT. Up, Down, Right and Left arrow keys. Eight programmable Special Function keys (F1-F8). **Video Display:** High-resolution 12-inch green phosphor 80x24 or 40x24 display monitor. Displays upper and lower case characters with descenders, plus 32 "business graphics" characters. Automatic scrolling. Partial screen scroll protect available. **Disk Drive:** One or two built-in dual-density 8" floppies. Add up to two 1.25-megabyte external floppies and four optional 2-megabyte hard disks. **Internal Expansion:** Optional Model 12 Card Cage (requires installation) for six additional plug-in card slots. **External Connections:** One standard parallel port, two RS-232C serial ports, one external disk bay port. **Dimensions:** 13 1/2 x 21 1/2 x 28 1/8". **Power Requirement:** Built-in filtered power supply for 120VAC, 60 Hz.

# MODEL II/12/16 EXPANSION OPTIONS

## Card Cage for Your Model 12

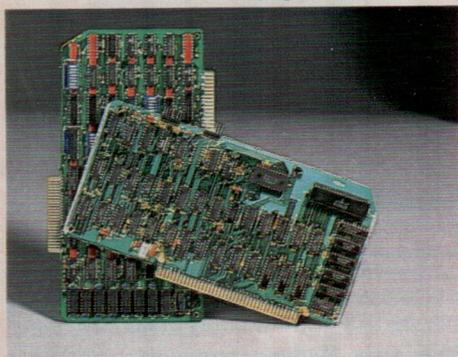


**199<sup>00</sup>**  
Mounts Inside  
Model 12's Case

The Model 12 Card Cage gives the TRS-80 Model 12 computer tremendous expansion flexibility. The Card Cage provides six plug-in slots for inserting our optional expansion boards. That means you can tailor your system at any time to the power and capability you need. For example, you can add our powerful Model 16 Upgrade Kit and 64K Memory Expansion Board (below). Additional slots allow you to insert the new Radio Shack Arcnet™ board for high-speed local networking, our High-Resolution Graphics Board for creating detailed on-screen charts and graphs, or controller board for hard disk operation. Access door on back of the "cage" for easy installation. (Card Cage and optional expansion boards require installation, not included.)

26-6017 ..... 199.00

## Model II/12 Upgrade Kit



Upgrade your Model II or 12 to the power of a Model 16! Kit contains the MC68000 16-bit microprocessor and a 128K memory board, expandable to 256K. Model II retains existing video and disk drive with a maximum of 512K internal memory (768K for Model 12). This upgrade maintains software compatibility, allows use of Model 16 software, and supports multi-user operation. Installation required (not included). 26-6010 ..... 1499.00

## 64K Memory Expansion

Memory board gives Model II/12 the capacity to generate much larger worksheets when using the Enhanced VisiCalc program (page 10). Memory not usable by all software. Installation required (not included). 26-4105 .. 399.00

## Easy Disk Expansion for Increased Storage

Thin-Line Disk Bays  
For Models 16 and 12

1-Drive

**1299<sup>00</sup>**

2-Drive

**2098<sup>00</sup>**

Provide Up to 2.5  
Megabytes of Additional  
Storage for Your  
Applications and Data



### External Disk Expansion

Your Model 12 or Model 16 can be easily expanded with one or two External Floppy Disk Expansion Units. Each drive adds 1.25 megabytes of data and program storage. The drives are double-sided, double-density, thin-line 8" floppies resembling those built into the Model 16 and Model 12 computers. You can choose the one drive unit and expand to a second drive at any time by adding the Disk Drive Kit (26-4167) at right.

1-Drive Unit. 26-4165 ..... 1299.00

2-Drive Unit. 26-4166 ..... 2098.00

### Internal Disk Expansion

You can add a second disk drive to a single-drive TRS-80 Model 16 or Model 12 at any time, and have a total of 2.5 million characters of high-speed "on-line" disk storage on interchangeable 8" floppy diskettes. Each double-sided, double-density disk drive is enclosed in the case of the Model 16 or Model 12, and each provides 1.25 million characters of disk storage for user programs, data files and the Disk Operating System.

Disk Drive Kit. Installation required, not included. 26-4167 ..... 799.00

## New Low Prices! Model II Disk Expansion Units

Priced  
From **749<sup>00</sup>**

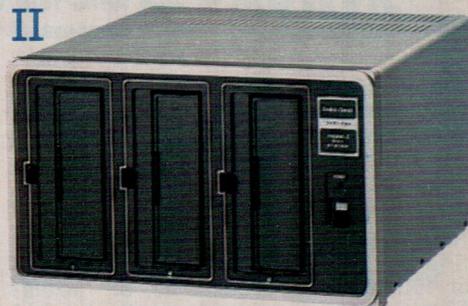
Gives You the On-Line Storage  
That You Need

For more disk storage, just plug in an external Disk Expansion Unit—available with one, two or three 8-inch disk drives. Each drive adds about 486,000 characters of on-line storage.

1-Drive System. Was \$1150.00 in Cat. RSC-9. 26-4160 ..... 749.00

2-Drive System. Was \$1750.00 in Cat. RSC-9. 26-4161 ..... 999.00

3-Drive System. Was \$2350.00 in Cat. RSC-9. 26-4162 ..... 1499.00



Disk Kits are available to expand 1 and 2-drive systems. Inquire at your nearest Radio Shack Computer Center or the Expanded Computer Department of participating stores and dealers.

**SPECIFICATIONS. Number of Drives:** 1 to 3 (8" disk drives). **Format:** Track 0—system information; Tracks 1 through 76—26 sectors, 256 bytes per sector (double density, single-sided). **Data Transfer Rate:** Double density, 500 kilobits/second. **Disk Speed:** 360 RPM. **Latency:** 83 ms, average. **Track Access Time:** 260 ms average, 10 ms track-to-track. **Dimensions:** 11 1/2 x 18 1/2 x 21". **Power:** 120VAC, 60 Hz, 150 Watts. U.L. listed.

# HARD DISK FOR MODELS 16, 12 AND II

New Low Price! 12-Megabyte Hard Disk Drive Forms a Powerful System



Primary Hard Disk System **2995<sup>00</sup>\*** Was \$349 In Cat. RSC-9

Secondary Hard Disk System **1995<sup>00</sup>\*** Was \$2495.00 In Cat. RSC-9

- Extremely Fast Access to Programs and Data Through Winchester Technology
- Compatible With Most TRS-80 Model II, 12 and 16 Software
- Add Up to 3 More Hard Disk Systems for Over 48 Million Bytes of Storage

Get immediate access to vast amounts of data—up to 12 million characters! Ideal for large inventory control, accounting and data base management. Easily expand with up to three "secondary" drives, too. Most Model II, 12 and 16 programs transfer directly to hard disk. And it's compatible with

our multi-user operating system or TRSDOS. All current TRSDOS library commands are available, plus enhanced features designed for the Hard Disk. (Note: Not compatible with our 8-megabyte drives.)

**Primary Unit.** 26-4152 ..... 2995.00\*  
**Secondary Unit.** 26-4153 ..... 1995.00\*

**SPECIFICATIONS.** A 3-platter, 6-surface 5 1/4" disk drive employing sealed media with a self-contained, recirculating filtered air system. **Formatted Capacity:** Primary drive—11.6 megabytes, Secondary drives—12 megabytes each. **Disk Format:** Each disk surface has one movable read/write head to access 306 tracks on that surface. A 6-track cylinder is accessible under all 6 heads with a single seek. **Data Transfer Rate:** 5 megabits/second. **Disk Rotation Speed:** 3600 RPM. **Latency:** 8.3 milliseconds (average). **Track Access Time:** 3 milliseconds (track-to-track). **Dimensions:** 5 1/2 x 14 x 15" **Power:** 120VAC, 60 Hz. U.L. listed.

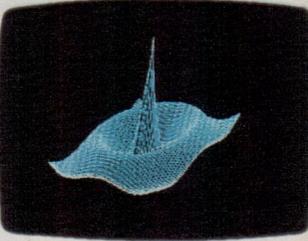
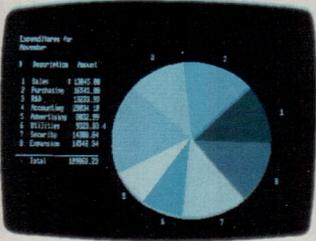
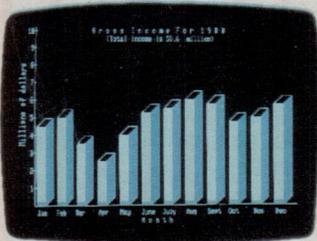
## New Low Price! Secondary 8-Megabyte Hard Disk

Good news for 8.4-Megabyte Hard Disk owners! Now set up a powerful system at a very affordable price. Add up to three secondary drives for over 33 million characters of storage. Secondary Hard Disk is compatible with Model II, 12 and 16 software. (Note: Not for use with our 12 megabyte hard disk drives). 26-4151 ..... 1995.00\*

**1995<sup>00</sup>\***  
 Was \$3495.00  
 In Cat. RSC-8



## High-Resolution Graphics for Model II/12/16



**499<sup>00</sup>\***

- Turns Your Video Display Into a "Graphics Blackboard"
- Easy-to-Use Graphics BASIC ■ 153,600 Picture Elements

**Add Versatility to Your TRS-80.** Our TRS-80 Graphics Option with Graphics BASIC language lets you use your TRS-80 screen as a "sketch pad" for the creation of sophisticated tables, charts, graphs, illustrations, geometric patterns, maps and much more.

**High Resolution.** Designs are executed in fine detail. The screen is composed of 153,600 picture elements, or "pixels". That's 640 points horizontally by 240 points vertically!

**Simple to Use.** Using the "paint styling" mode, you can fill in broad areas of the screen with a variety of patterns. The "line styling" mode gives you "point-to-point" graphics options that let you draw any line at any angle with just one BASIC statement!

**Easy to Learn.** If you already know TRS-80 Model II/12/16 BASIC, Graphics BASIC will be a snap because you need to learn only eleven new commands! With them, you can even create animation and motion!

### Summary of Graphics BASIC Commands

- CIRCLE**—Draws a circle, arc or ellipse.
- CLS**—Clears a character or screen.
- GET**—Reads the bit-pattern on the screen into an array for alteration and future use. Used in animation.
- LINE**—Draws a line in between points.
- PAINT**—Paints area in a specified style.
- POINT**—Checks if a point is on or off.
- PRESET**—Turns a pixel on or off.
- PUT**—Puts contents (bit pattern) of an array onto screen. Used in animation.
- SCREEN**—Speeds display in painting and motion. Turns graphics screen on or off.
- VIEW**—Defines block coordinates.
- VIEWPORT**—Draws a viewport, which then becomes the current graphics screen.
- Fast Installation.** The Graphics BASIC board contains 32K memory to store graphics data. It's installed in an unused slot of your Model II, 12 or 16. Includes user's manual, 8" diskette with Graphics BASIC and subroutine library. 26-4104 ..... 499.00\*

## Business Graphics Pak

**NEW FOR '84**

**249<sup>00</sup>**

- Easily Create a Variety of Charts
- For TRS-80 Model II, 12 and 16

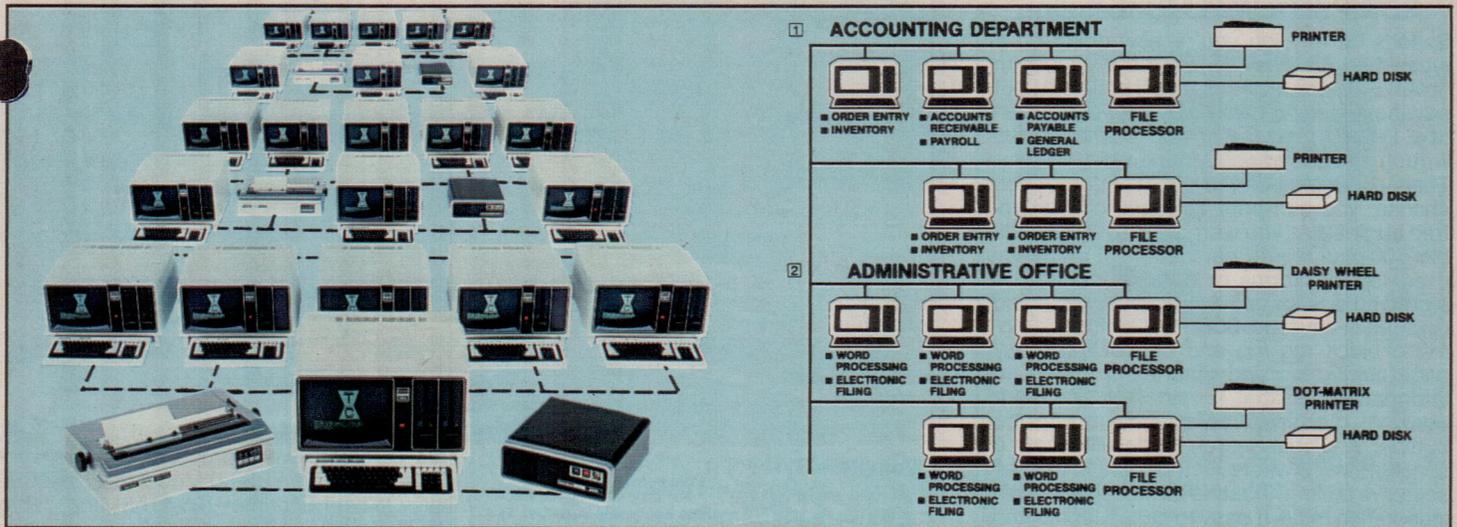
**Graphics Make Dull Data Come Alive.** Give your reports the graphics advantage with our Business Graphics Analysis Pak! It lets you get your point across—reveal trends, make comparisons clearer and show patterns that may be hidden in columns of figures.

**Easy Data Manipulation.** Just enter your data—the program then generates your chart. Choose from pie, bar, line or scatter charts. Your graph is immediately displayed on the video screen for editing. The program will develop settings and labels for your charts—or you can tailor them yourself. Entry, editing and format settings are a breeze because they're "menu-driven". New data can be added or values changed and the new chart viewed again before printing. You can even perform simple arithmetic or complex trend, growth, moving average, consolidation or logarithmic operations.

**Produce Professional Graphs Quickly.** Enter data from the keyboard or from disk files including the VisiCalc® planning program. Choose line type, shading, stacked or grouped bars and a frame with just a few keystrokes. Produce charts on selected Radio Shack printers or multi-pen plotter.

**Business Graphics Analysis Pak.**  
 26-4550 ..... 249.00

# RADIO SHACK ARCNET™ OFFICE SYSTEM



**Arcnet Local Area Network.** Radio Shack's Arcnet (or **Attached Resource Computer Network**) is the high-performance local area network for TRS-80 computers, peripherals, software and information. With Arcnet, you can link up to 255 Model 12 and II computers for effective, large-scale operations. Office personnel can share hard disk files, printers and other accessories—and gain all the advantages of up-to-the-minute shared information! And Arcnet is highly reliable, because it's based on Datapoint Corporation's customer-proven ARC™ local network technology.

**How Arcnet Can Work for You.** Let's say you're maintaining customer, sales and inventory records on a TRS-80 computer with printer and hard disk, and several sales or managerial people need fast access to up-to-the-minute status. Up to 255 TRS-80s can be tied into an Arcnet system to utilize the same disk files and even the same printer. But in addition to sharing files, each user now has the benefit of his or her own computer system (including space on the hard disk for files), so other functions can be performed—electronic filing, word processing and so on. And all files on the hard disk are available to any user. Confidential files can, of course, be restricted.

**Easy-Growth System.** In this Arcnet system, you can increase your processing ability significantly without the cost of printers or hard disks for each additional user—and without any reprogramming. You can continue adding TRS-80s to the network in affordable steps—and without downtime—to meet the needs of your growing business. (See Illustration 1 above.) This system could easily tie into an administrative office word processing system (see Illustration 2) where five workstations are sharing the resources of two printers. Your entire company now has a common database accessible to all users!

**Expand to the Power You Need.** The smallest practical Arcnet system consists of three computers. Two workstations—called applications processors—can be connected to share the large hard disk file of the third TRS-80—known as a file processor. As you exceed the capacity of this three-computer network, simply plug in another applications or file processor.

**Installation Is Simple.** Arcnet consists of three hardware components. First, the Arcnet board is needed in each computer—it installs in an existing card slot in the rear of the TRS-80 Model 12. When using Model II, you will also need a

16K Z-80 Memory Expansion Board if the Model II has not been used with a hard disk. The second element is the Coaxial Cable. One end is plugged into the computer, the other end goes to the third component, the "Hub". (See hardware information below).

**Arcnet Board.** Includes Applications Processor software and user's guide. Installation required (not included).  
26-6501 ..... 399.00

**Arcnet File Processor Software.** Includes software, operation manual and system manager's manual. Only one package required per system.  
26-6502 ..... 499.00



**A Active Hub.** Connects up to seven Applications Processors to one File Processor. Total cable length between a computer or Active Hub and any other computer or Active Hub can extend up to 2000 feet. Active hubs can be linked for a system spread of up to four miles. U.L. listed. 26-6508 ..... 995.00

**B Passive Hub.** Connects up to three Applications Processors to one File Processor. Cable length between Applications and File Processors can extend up to 200 feet. (Two passive hubs cannot be connected in series.)  
26-6504 ..... 79.00

**16K Z-80 Memory Expansion Board.** For Model II previously not used with hard disk. 26-6503 ..... 189.00

The Arcnet RG62 coaxial cable is an ideal medium for the high-speed transfer of data. It interconnects the Applications Processors, Hubs and File Processors. All cable features a braided copper shield and a solid copper center conductor. Choose from complete assemblies with industry-standard BNC connectors. Cable is also available by the foot.

**20 Ft.** 26-6510 ..... 15.95  
**50 Ft.** 26-6511 ..... 24.95  
**100 Ft.** 26-6512 ..... 39.95  
**Bulk.** 26-6513 ..... Per Foot/21¢  
**BNC Fitting.** 278-104 ..... 2.29  
**BNC/BNC Coupler.** Allows connection of cable assemblies.  
278-115 ..... 3.29

# OFFICE SOFTWARE TO SAVE YOU TIME

## SCRIPSIT® Word Processing

Speeds up any job you're now doing on a typewriter. It's easy to learn and use, with "plain English" prompts and menus that put advanced editing capabilities at your fingertips! Letters, reports and manuscripts can be written and edited right on the video display. Then, depending on the optional printer you choose, you can print as many correction-free originals as you want at up to an incredible 500-plus words per minute. Frequently used reports, forms or paragraphs can be stored on disk for use again and again—and updated at any time. SCRIPSIT includes automatic block moving and duplication, easy page numbering and renumbering, and an information line that keeps track of cursor position, margins, line spacing and page number. A Global Search mode will locate a specified word wherever it occurs in text for selective editing. Floating format and reverse indentation make it easy to set up tables and special formats. You can define up to 20 keys to reprint words and phrases or to access special functions. Store up to 11 often-used formats which you can select with a few keystrokes. SCRIPSIT's "background" feature even lets you print one document while you're typing or editing a different one. Stores up to 320,000 characters on each diskette with a one-disk Model II/12 system—plus up to 400,000 characters on each additional drive you add. Greatly increase capacity with a hard disk. Load and store ASCII text files, too. Includes superb manual and self-paced training course on audio cassette tape.

- Model II Floppy Disk.** 26-4531 . . . . 399.00
- Thin-Line Floppy, Model II/12 Hard Disk.** 26-4835 . . . . . 399.00
- Model 16 Multi-User.** 26-6431. Available 12/30/83 . . . . 499.00

## SCRIPSIT Spelling and Hyphenation Dictionary

This automatic "proofreader" program for SCRIPSIT checks and displays your text on the screen, highlighting misspelled words for correction. Contains over 100,000 words, abbreviations, proper names, contractions and foreign words with hyphenation points. You can add up to 2000 words that are used in your profession—medical, legal, engineering, scientific terms, etc. Requires SCRIPSIT word processing software and one additional disk drive.

- Model II Floppy Disk.** 26-4534 . . . . 199.00
- Thin-Line Floppy, Model II/12 Hard Disk.** 26-4834 . . . . . 199.00

## New! SCRIPSIT Utilities

This enhancement allows you to move columns of text and numbers quickly and easily, as well as provide totals, subtotals and averages of numerical columns directly from SCRIPSIT. You can also copy often-used standard paragraphs stored in a special "boilerplate" utility without having to leave the document you're currently working on. A communications utility lets you transmit and receive documents to or from another Model II or 12 SCRIPSIT system by phone (requires modem) or directly using an RS-232C cable and a null modem adapter. 26-4532 . . . . 129.00



**Complete System**  
**6033<sup>00</sup>**  
 Commercial Lease Available  
 For Only \$210 Per Month  
 (Plus Applicable Sales/Use Tax)

This complete word processing system includes a 2-Drive TRS-80 Model 12 (26-4005), Daisy Wheel II printer (26-1158) and Cable (26-4401).

## SCRIPSIT Plotter Driver

Now you can add a vivid dimension of clarity to your text and overhead projector transparencies. This program lets you use SCRIPSIT to output to our TRS-80 Multi-Pen Plotter. Print nine character sizes in six colors—red, black, blue, green, violet or orange. Draw boxes around your text, straight lines, underlines, superscripts and subscripts. Simple commands let you easily change character sets, determine character size, and switch color pens. Move one-half space in any direction or backward a full space. Supports all plotter text-oriented features, plus character and word-incremental justification. Requires SCRIPSIT word processing software and TRS-80 Multi-Pen Plotter. 26-4536 . . . 49.00

## VisiCalc® Enhanced

An expanded version of the original VisiCalc, this enhanced VisiCalc is an amazingly efficient management planning tool with a wide variety of applications—from corporate finances to engineering work to sales projections. Now you can throw away those old pencils, erasers, calculators and columnar pads! VisiCalc does in seconds what these tools took all day to do! With VisiCalc, the video screen becomes a window through which you view a section of an electronic "worksheet" organized in columns and rows. In each "entry position" you can insert a description, number or formula. VisiCalc goes to work when you alter a number previously "written" on your worksheet—the program instantly recalculates every affected item! Provides an effective way to predict the results of important "What if?" studies. An entry editor speeds worksheet preparation by allowing you to modify formulas and labels without re-entering them. Logical and comparison operators let you perform testing and branching. Built-in math functions permit speedy solutions to complex engineering problems. Produce simple graphs and save your model on disk for future use. Add a printer and you can print any portion of your worksheet. With an additional 64K memory board, you can produce even larger worksheets. (Memory board is not required for owners of Model 16 or Model II/12 equipped with Model 16 upgrade). 26-4521 . . 299.00

## New! Multiplan™



### A "Second Generation" Electronic Worksheet

A truly sophisticated, yet incredibly easy-to-use decision support tool. Multiplan lets you consolidate related worksheets so that information is transferred between them automatically. For example, your company's sales forecast can be updated automatically whenever you change the data in any worksheet containing your regional sales figures.

**"Plain English" Convenience.** All prompts are full length words or phrases. Plain English names can be assigned to any column, cell or area, so that formulas can be expressed as "Gross Profit = Sales - Cost." If you have any questions, an On-Line Reference Guide gives you instant help—it knows where you are in Multiplan and offers information related to your problem, right on the screen.

**Advanced Features.** With Multiplan, up to eight display windows can be created on the screen simultaneously. Sorting can be performed in alphabetical or numerical order. Cells can be set up individually, by row, column, block—or globally. Cell entries can be left or right justified, and can display values in graph form or as integers. You can vary individual column widths, center numbers and text within a column and align decimals, and side margins, row and column numbers, and more. Multiplan can directly utilize your current VisiCalc files, too. Includes tutorial manual.

- Model II/12.** 26-4580 . . . . . 249.00
- Model 16 Multi-User.** 26-6480 . . . . 349.00

# LET PROFILE® SIMPLIFY YOUR FILING

## Profile II Electronic Filing

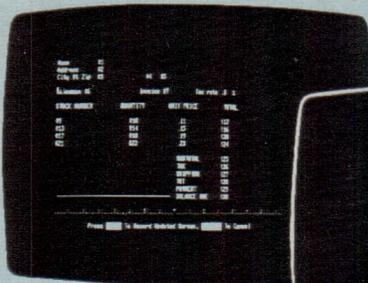
One of our most popular programs! It's an electronic filing system that lets you design your own database and search through your records to find just the files you want in seconds! No special computer background or programming knowledge is needed—our instruction manual leads you through the various features step by step. Keep track of names and addresses, accounts, bills owed and paid, personnel or customer records and more. Profile II files can be searched by up to 36 user-defined criteria! You specify the way your files are set up and how information appears on the screen and in printed reports. Profile II even includes options that restrict unauthorized users from accessing confidential files. Store up to 99 data fields in a single record, and print up to five different reports for each file, including automatic page numbers, current date and column totals. With two or more disk drives, Profile II can merge with SCRIPSIT to "personalize" your letters and reports with names, addresses and other important information. Stores up to 3000 records with a one-disk Model II/12 system, up to 20,000 with additional disk drives. 26-4512 . . . . . 179.00

**Profile Training.** This informative package gives you a working knowledge of the endless capabilities of Profile II. You are guided through a carefully sequenced, step-by-step learning experience. Examples are provided to demonstrate the flexibility of the Profile software. Provides an excellent learning foundation for Profile Plus users, too. Four audio cassettes with an excellent 96-page manual and training disk. 26-4516 . . . 69.00

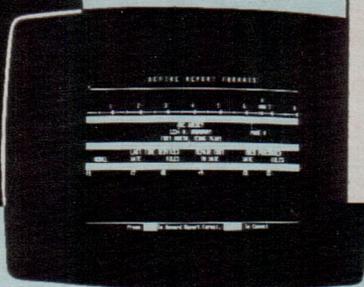
**Profile Plus.** An expanded version of Profile II with a number of sensational "extras" for greater flexibility. Allows arithmetic operations between fields—up to 16 equations of 63 characters each. This advanced math pack can be used to perform such functions as extensions, calculating taxes, subtotals and totals. Profile Plus allows you to instantly switch between any of your five screens and display various portions of an individual record. Create customized menus that require only a single keystroke for execution. Index your file in logical order for high speed access to records. When performing a search, Profile Plus will scan all associated fields for the type of information you want. Selectable

## Profile II Filing Systems—Easy to Create and Use

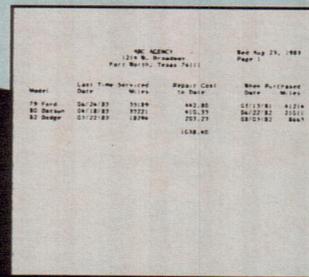
### Define a Screen Layout



### Define a Report Format



### Get a Printed Report



record lengths prevent wasted disk space and increase the maximum number of multi-segment records. Insert and delete lines during screen creation and report formatting. And a new "type-ahead" feature lets you continue entering keystrokes even while other functions are being executed! 26-4515 . . . . . 299.00

**Profile Upgrade.** For owners of Profile II. Adds all of the features of Profile Plus. 26-4517 . . . . . 120.00

**Profile Forms.** This enhancement program for Profile Plus lets you print one detailed record per sheet on each item in your file, rather than Profile's normal one or two line listing on multi-item reports. Each form can be up to 132 characters wide and up to 66 lines deep. Up to five different formats per file can be maintained. Supports 1/2" line feed and special characters (depending on printer used). Intermix text and Profile data. 26-4556 . . . . . 125.00

**Profile Archive.** A practical program that lets you purge inactive records from any file in Profile Plus. Deletions can be performed based on up to 16 criteria. You have the option of listing the deleted records to a line printer and/or merging them into a separate archive—or history—file. 26-4557 . . . 49.00

**Profile Prosort.** High-speed indexing program for Profile Plus that allows you to sort and select records from any one segment of a file at a time. You can sort on one field with sub-sorts on four additional fields, ascending or descending. Select records using up to 16 selection criteria. Also allows you to print your records using a previously created disk index. You can create up to five indexes for reports and one index for video inquiry. 26-4558 . . . . . 149.00

**NEW! Profile Lookup.** Turns Profile Plus into an automatically cross-referenced system. Lets you enter or extract data in up to five different data bases at once, and writes it into records, reports, forms and labels. 26-4559 . . . . . 199.00

**Menu Generator.** Now you can create menus in machine code for BASIC or COBOL programs—or special individual applications. It's perfect for the TRS-80 Hard Disk owner who has numerous applications on line at one time. You can create a "master" program menu, or even a menu of menus. A single key can be set up for a series of TRSDOS commands. You indicate the key to be pressed, the prompt you want to see in the menu, and the command line you want executed. Allows 12 selection items per menu. 26-4555 . . . . . 39.00

## New! Data Base Manager for TRS-80 Model 16 Multi-User System

### Profile Multi-User

Designed for the TRS-80 Model 16, Profile Multi-User combines all the great features of Profile Plus, the Profile utilities and more new features into one powerful program. It's so versatile it can be used for a multitude of business applications, including advertising and direct response sales tracking, insurance form printing, tax records, stock inventory, customer invoicing, building maintenance files, buyers' guides and directories and much more.

**Powerful New Features.** Profile Multi-User allows several operators to look at, update and use the same file at the same time. (Individual records are protected from change by more than one person at a time.) It will rearrange data automatically to fit whatever new

format you may select. And it allows you to do "conditional math" operations. For instance, suppose you want to figure multiple discounts on sales orders. If an order between \$1000 and \$4999 qualifies for a five percent discount and one between \$5000 and \$9999 qualifies for a ten percent discount, Profile Multi-User will determine which discount to apply and automatically perform the operation. Profile also allows for "conditional processing". If certain criteria are met, Profile performs a certain operation, and if not, it does a different operation. Profile automatically keeps track of audit-trail information, too, such as the time and date of a record's last update and the operator who made the change. It allows you to produce "spin-off" files for moving information into word processing or electronic spreadsheet programs.

And Profile can watch for up to 200 errors or special cases, such as checking that a gender field contains either "M" or "F", that a field contains numerals rather than letters and that an entry falls within the correct range (for example: "credit limit must be between \$0.00 and \$500.00".) It will also do "end-of-period" processing.

**Increased Capacities.** Profile Multi-User allows you to store up to 16 million records per file with up to 999 fields per record. And you can store as many as 4,608 characters in every record. Reports, labels and forms can be as long as 99 lines and as wide as 255 characters.

**Profile Multi-User.** Requires TRS-XENIX operating system. 26-6412. Avail. 12/30/83 . . . . . 499.00

# MULTI AND SINGLE-USER ACCOUNTING



Keep Your Business Up to Date  
And Maintain Greater Control

Commercial Lease Available  
For Only \$265 Per Month  
(Plus Applicable Sales/Use Tax)

**7727<sup>00</sup>**

- Single-Disk TRS-80 Model 12 and Card Cage
- 12-Megabyte Hard Disk Drive
- High-Speed DMP-500 Printer and Cable

This complete TRS-80 Model 12 system can run all of the programs described below. Includes the 1-Drive Model 12 (26-4004), 12-Megabyte TRS-80 Hard Disk Unit (26-4152), DMP-500 Printer (26-1252), Cable (26-4401), and Card Cage (26-6017). Model 12 Card Cage requires installation (not included).

**Multi-User Software.** Increase office productivity with our interactive Model 16 multi-user programs. They allow several people to perform different tasks simultaneously. For example, your sales department can check inventory levels while someone in accounting updates general ledger—at the same time someone is working on payroll.

**Single-User Software.** These deluxe programs can also form the heart of a superb dedicated accounting system—ideal for the small business which has one person that handles all the bookkeeping. The interactive capability of these packages allows easy, automatic update of each aspect of your firm's operation.

## General Ledger

Superb "total" system that will interact with the Accounts Payable, Payroll and Accounts Receivable programs on this page. An easy-to-maintain control file allows you to use multiple profit centers. Reports include: Income Statement, Balance Sheet, Supporting Schedules, Chart of Accounts, Financial Statements, General Journal Transaction Register, General Ledger Trial Balance for any specified period, General Ledger Worksheet, General Ledger Source Cross Reference (shows entries for each source), Statements of Cash Flow, Changes in Financial Position, and Changes in Components of Working Capital.

**New Low Price! Model II/12.** Was \$499 in Cat. RSC-9. 26-4601 ..... 399.00  
**Model 16.** 26-6201 ..... 599.00

## Accounts Receivable

An open item and/or balance forward system that will interface with the 3-Disk General Ledger, Order Entry/ICS and Sales Analysis programs. The program prints Aging Report (with or without detail) for all or selected customers. It provides a General Ledger Distribution Report and allows easy access to frequently used General Ledger accounts for rapid entries. Prints a Cash Application Worksheet showing balance owing, the valid discount and the net amount due from each customer. Optional user-defined features include: accumulating revenue and expense by profit center (product line), calculation and addition of sales tax based on customer tax code, calculation of commissions and printing commissions due report, and more.

**New Low Price! Model II/12.** Was \$499 in Cat. RSC-9. 26-4604 ..... 399.00  
**Model 16.** 26-6204 ..... 599.00

## Accounts Payable

An accrual system that will interface with the General Ledger program. Reports include: Vendor File, Alphabetical Vendor List, Accounts Payable Transaction Register, Accounts Payable Aging, Cash Requirements, Pre-Check Writing Accounts, Payable Check

Register, General Ledger Distribution and Vendor Analysis.

**New Low Price! Model II/12.** Was \$499 in Cat. RSC-9. 26-4605 ..... 399.00  
**Model 16.** 26-6205 ..... 599.00

## Payroll

A complete, time-saving payroll system that calculates and prints checks and provides distribution to multiple General Ledger accounts (interacts with General Ledger program). The program gives you efficient handling of hourly and salaried employees and permits seven pay frequencies. Provides a wide variety of special earnings and deductions categories, and allows entry of manually prepared checks and adjustments. Lets you track vacation and sick pay and recall up to one year of detailed pay history. Tables for federal, state and local withholding taxes are easy to maintain. Prints federal, state and local withholding reports, W-2 forms, payroll worksheets, check register and more.

**New Low Price! Model II/12.** Was \$599 in Cat. RSC-9. 26-4603 ..... 499.00  
**Model 16.** 26-6203 ..... 699.00

## Order Entry/ICS

Allows both single-pass invoicing and two-pass open order entry with separate billing. Requires and interacts with Accounts Receivable program. Allows maintenance of the item file and prints a Numeric Item List and an Alphabetical Item List. Orders can be entered and edited on request. Prints: Item Receipts Register, Billing Edit List, Picking Tickets, Order Edit List, Price List, Item Stock Status Report and Purchasing Advice Report.

**New Low Price! Model II/12.** Requires 4 disk drives (3 drives for Model 12) or hard disk. Was \$499 in Cat. RSC-9. 26-4607 .. 399.00  
**Model 16.** Requires 3 disk drives or hard disk. 26-6207 ..... 599.00

## Sales Analysis

Effective way to examine and evaluate sales information. Data is obtained from customer file of A/R or item file of Order Entry/ICS. Shows sales activity by customer, customer

type, customer sales volume, salesman, state, item, item category or item sales volume.

**New Low Price! Model II/12.** Requires 4 disk drives (3 drives for Model 12) or hard disk. Was \$299 in Cat. RSC-9. 26-4608 .. 249.00

**Model 16.** Requires 3 disk drives or hard disk. 26-6208 ..... 399.00

## Inventory Control System

Assists in cycle counting, ordering from vendors, handling partial receipts and allowing custom design of reports. Posts receipts, prepares labels, prints purchase orders by P.O. number and six major reports—Price, Master and Vendor lists, Items with a Zero Reorder Point, Open Purchase Orders and Cost Inventory. Provides Sales Journal, prints Cycle Count Worksheet and provides suggested order listing by prime vendor.

**Model II/12.** Requires a minimum of two disk drives. Model II handles approximately 3000 inventory items per data diskette. Model 12 handles about 8000 per diskette. 26-4602 ..... 299.00

**Model II/12 Hard Disk or Thin-Line Floppy.** Up to 30,000 items. 26-4802 ..... 399.00

**Model 16 Hard Disk.** Supports up to 3 users. Handles up to 30,000 items. 26-6302 ..... 399.00

## Manufacturing Inventory System

Improve your efficiency, track your investment in work-in-progress, raw materials and finished goods, and maintain your company's inventory files in an easy-to-access computerized format. Enter a bill of materials for each subassembly and finished good in your inventory, track accumulated cost through the production cycle, and compare actual cost with standard cost. Estimate order completion dates, labor and material requirements, and more. Holds up to 2100 items inventory, 600 bills with 99 components each, 200 manufacturing orders. Requires three disk drives. Models 12 and 16 require two drives.

**Model II/12.** 26-4509 ..... 750.00

**Model 16.** 26-6309 ..... 850.00

# SINGLE-USER ACCOUNTING SOFTWARE

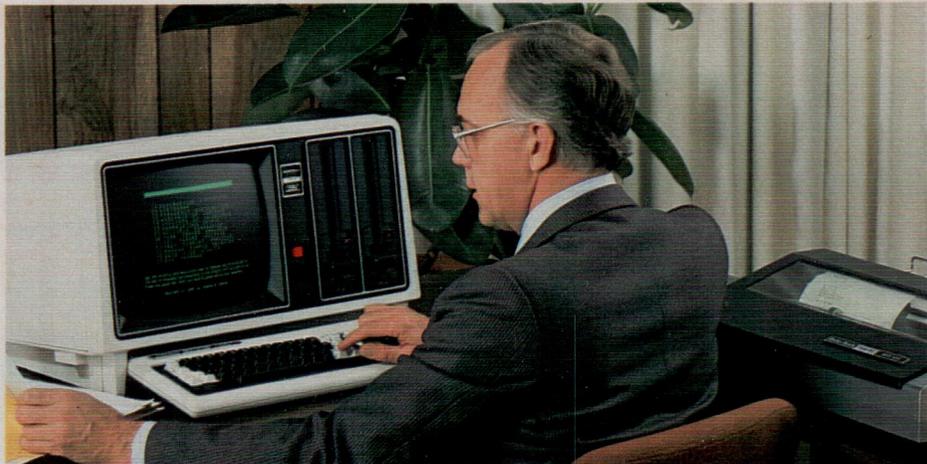
Simplify Your Accounting  
With a TRS-80 System

Commercial Lease Available  
For Only \$175 Per Month  
(Plus Applicable Sales/Use Tax)

**5037<sup>00</sup>**

- TRS-80 Model 12 With Two Disk Drives
- Compact DMP-420 Printer and Cable

This affordable TRS-80 Model 12 "Basic Business" system is ideal for many office needs and will run all software shown on this page. It includes the 2-Disk Model 12 (26-4005), DMP-420 Printer (26-1267), and Cable (26-4401).



**Streamline Business Operations.** A TRS-80 Model II/12 computer system can prepare profit and loss statements, tighten up receivables, speed up collections, control disbursements, improve cash flow, keep a close watch on payroll and budgets, help you with your inventory control, analyze sales information, and much more. Your company's operations will be faster, more efficient, and more accurate—and that can help you save money. We know you have more important things to do than to learn how to program, too. And you

won't have to hire a programmer either. In fact, anyone in your office can easily and quickly learn to use these powerful TRS-80 Model II/12 business and accounting software packages. Each package comes with a very thorough instruction manual that will guide you step-by-step through every important function and will describe day-to-day operation. What's more, with additional disk drives, these packages form an economical interactive system. And Model II/12 software will also run on a Model 16 in the Model II (single-user) mode.

## General Ledger

A powerful, labor-saving system that eliminates tedious paperwork. Handles up to 504 accounts, up to 11,420 entries per month. Seven optional expense categories and user-defined account numbers. Automatic out-of-balance detection, entry totaling, and document balancing. Automatic audit trails. Controlled inputs for error prevention and rapid entries. Easy document correction and error recovery. Reports include: Income Statement, Balance Sheet, Charts of Accounts, Trial Balance, Document List, Posting Summaries, and Ledger Detail Report. Full reporting capabilities allow access to your financial status at any time. A second disk drive allows update from Payroll (26-4503), Accounts Receivable (26-4504), and Accounts Payable (26-4505).  
26-4501 ..... 199.00

## Payroll

A comprehensive system designed for utmost user flexibility and convenience. Handles less than 200 employees. Nine earning, nine deduction, and seven worker's compensation categories. Calculates federal, state and city withholding tax, plus earned income credit. Prints Payroll Checks, Payroll Check Register and W-2 forms, as well as automatic monthly, quarterly and annual journals. Automatic out-of-balance detection. Easy error correction and recovery. Optional time card calculations with automatic overtime. Multi-drive update to General Ledger (26-4501).  
26-4503 ..... 399.00

## Inventory Management System

Handles up to 3000 inventory line items, 200 vendors, on-hand quantities up to 999,999, with a maximum selling price of any item of \$99.99. Projects your reorder needs based on analysis of past performance and sales trends. Analyze your stock turnover and calculate the gross margin for each stock item. Reports include: Master Inventory List, Vendor Listing, Transaction Posting Report, Suggested Order List, ABC Code Analysis.

Physical Inventory Worksheets, Physical Inventory Error Report and an Inventory Performance Report. Interfaces with General Ledger program (26-4501).  
26-4502 ..... 199.00

## Accounts Receivable

A complete invoicing and monthly statement system that helps reduce and control your receivables. Know where you stand and spot overdue debts early for collection. Allows "open item" and "balance forward" accounts, and generates both Summary Aging and Detail Aging reports. Generates monthly statements and prints invoices. Flexible open credit reconciliation. Add additional disk drives for increased capacity and automatic update of General Ledger (26-4501).  
26-4504 ..... 299.00

## Accounts Payable

Maximize your use of cash. Prints cash requirements, aging reports and totals, and checks. Compatible with either "cash" or "accrual" accounting methods. Easy maintenance of accounts for up to 500 vendors and 3000 invoices. Reports include: General Ledger Codes, Vendor Listing, Invoice Listing, Posting Report (with GL totals), General Ledger Recap, Cash Requirements, Aging Status, Check Preview, Check Register, Discount Lost Report, GL Totals after Check Printing, End of Period Processing (with GL totals) and Year End Report. Multi-drive update to General Ledger (26-4501).  
26-4505 ..... 299.00

## Order Entry With Inventory Control

Simplify inventory control and get complete reports on stock levels. Program designed primarily for non-manufacturing distributors that maintain up to 650 accounts receivable and up to 2000 inventory items. Reduces duplication of efforts, saves time in filling orders, producing invoices and posting sales and adjustments to each customer account. Prints a Picking List to aid in pulling items

from stockroom or warehouse. Interfaces with Model II/12 Accounts Receivable program (26-4504). Requires four disk drives.  
26-4514 ..... 199.00

## Mailing List II

A good mailing list makes you money! Here's a system that stores names and addresses which can be revised at any time—up to 3000 names or 2000 names with a "comment" line. Each name may be assigned to up to eight special categories. Choose alphabetical or Zip Code order. Any number of address labels may be selected and printed. Five different label sizes. With a second disk drive, names and addresses can be "merged" with SCRIPSIT (26-4531) for perfect form letters. 26-4507 ..... 119.00

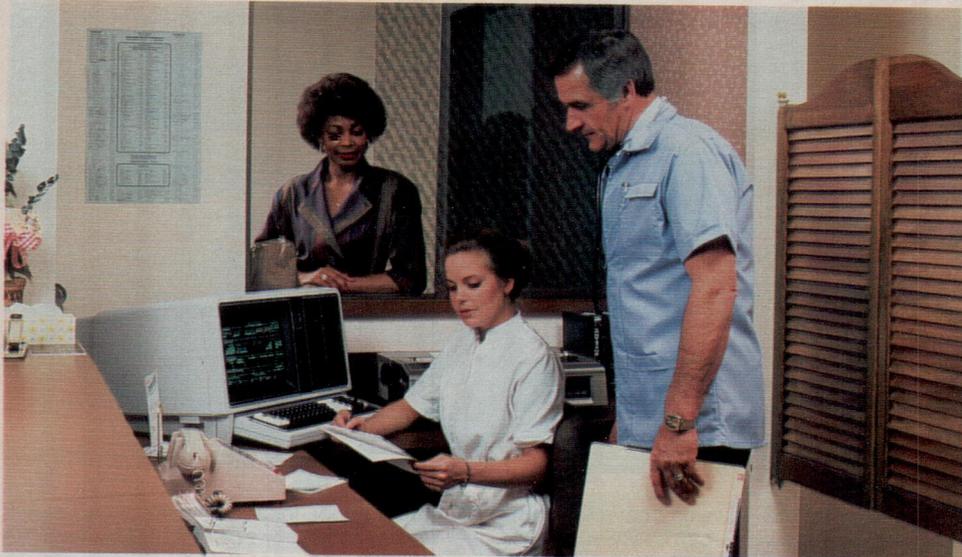
## Statistical Analysis

A menu-oriented data analysis system ideally suited for applications in business, education, medicine and other fields. Can be run with little formal knowledge of data analysis techniques and no knowledge of computer programming. Each program interacts with you to guide you in conducting statistical research. Includes programs for descriptive statistics, graphic histogram, frequency distribution, one and two-way analysis of variance, one-way analysis of co-variance, correlation matrix, chi-square analysis, time series analysis, item analysis, multiple linear regression, random data samples, and item analysis and test/survey scoring.  
26-4540 ..... 99.00

## Versafile

Create a simple computerized filing system. Store business or personal data, including names, addresses, phone numbers, customer information and more. Versafile lets you set up your own filing method and what type of data will be entered—your TRS-80 does the rest. The computer stores "key words" in corresponding files ready for easy retrieval. All you have to do is type a question containing the same key words. Includes Global Search function. 26-4510 . . . . 69.00

# TRS-80 PROGRAMS FOR PROFESSIONALS



## Model 12 Office System

**6033<sup>00</sup>**

Commercial Lease  
Available For Only  
**\$210 Per Month**  
(Plus Applicable  
Use/Sales Tax)

This Radio Shack TRS-80 Office System is designed to run all of the software shown on this page. It includes a 2-drive Model 12 (26-4005), letter-perfect DMP-2100 printer (26-1256) and cable (26-4401).

**Time Accounting.** This versatile accounting program is a must for any business that requires a detailed analysis of the amount of time spent performing specific jobs to supply to its customers. It can handle up to 14 professionals, 1000 clients, 500 jobs, 99 charge code categories, such as expenses and payments, and 2950 transactions. Data entry is simple because you can work with any part of the program at any time. You can easily add, delete, change, list and review all information on file concerning the person who performed the work, customers, contracts and charges. This includes quickly updating charges and payments received, preparing billing worksheets and printing statements. There's even a "statement simulation" for final adjustments before the actual statements are printed. Time Accounting gives you an accurate picture of your firm's profitability by tracking billable and non-billable time, billable and non-billable expenses, amounts billed and amounts paid. Requires four disk drives. 26-4520 ..... 499.00

**Litigation Support.** A versatile computerized information storage and retrieval system designed for the attorney. This docket control program helps you research articles, organize notes, and keep track of reports and correspondence. Just enter a client's background, case history, and correspondence. At a moment's notice, you can be reviewing the case. Store up to 350 client records, with 12 pleas and 10 memos. Litigation Support also doubles as a paralegal. Just enter documents associated with a case—such as a memo, letter or conversation. Then by simply typing in a subject, topic, case number or keyword, the computer displays any matching records. Store up to 575 records, with 144 characters for sources and 255 characters for description. Litigation Support even prints complete reports and mailing labels. Merge names and addresses with form letters using SCRIPSIT (26-4531) and an extra disk drive. 26-4545 ..... 299.00

**WESTLAW™.** Dramatically upgrade your TRS-80 into a powerful electronic "law library"! Just register with WESTLAW—a vast legal information system—and attach a 1200-baud telephone modem to your Model II, 12 or 16. Then each time you need to research a case, just place a phone call to access the resources of WESTLAW. Permits access to the US Code, Code of Federal Regulations, Federal and state case law libraries, Shepard's Citations service and more at a low, reasonable hourly rate. Simple commands for quick access to this information help you cut down the time you now spend researching—WESTLAW lets you search through publications at "computer speed" to locate relevant cases quickly. Runs on Model 16 in single-user mode only. 26-4560 ..... 249.00

**Electronic Broker™.** Maintains securities transaction records for stockbrokers, investment advisors, accountants, and small bank trust departments. The Electronic Broker organizes your account bookkeeping with flexibility and ease. Reviews and updates security prices, market averages, stock splits, and adjustments for dividends. Builds and maintains four libraries of information—a library of up to 500 Client Accounts, a library of up to 1500 Securities, an ongoing Transactions File, and a matched-off Liquidations File. The Transactions File produces well organized, accurate screen and printed reports, such as Master List of Accounts, Master List of Securities, Statement of Account, Realized Long and Short Term Gains by period, and Cross Listing of securities. Master List of Accounts includes all account descriptions, account codes, cash on hand for each account, phone numbers and account numbers. Master List of Securities shows all securities your accounts own with ticker symbols, security description, most recently entered price, date of most recently entered price, and ex-dividend rate. Additionally, the program prints a Posting Journal and a Liquidations Report as an audit trail. 26-4525 ..... 995.00

**Medical Office System.** The Radio Shack Medical Office System is designed to provide a fast and efficient system for collecting and managing accounts receivable. It accommodates a large individual practice or a medical clinic with up to ten physicians. Handles records and billing for up to 3000 accounts and 9000 transactions per month. Features 450 procedures and diagnoses, 4 recall medications, 2 recall dates, and 2 insurance companies per patient. On hard disk, you can keep track of 64,000 patients, 64,000 transactions, 999 procedures and diagnoses. A powerful forms generator can produce any type of invoice or insurance form to match any state's requirements. The system lets you get daily recap, transaction review, aged accounts receivable, procedure and diagnosis reports. You may enter refunds, place invoices into collection, add charges to existing invoices, switch responsible parties, and add notes into a patient's file. The system provides complete audit trails and detailed reports, cutting the time you presently spend on accounting and preparing statistical reports. Zero-balance double-entry accounting maintained automatically. You can also get an amazingly complete breakdown on your office's financial status with numeric month-to-date and year-to-date totals for all categories. Use of a unique "scan" feature allows you to quickly locate patients who meet a very narrow selection criteria. Requires a minimum of two disk drives. Create customized letters and mailing labels using Profile II (26-4512) and SCRIPSIT (26-4531) and an extra disk drive. 26-4508 ..... 750.00

**Personnel Search.** A program to help match employers with potential employees, so important when you have to have the right person to fit the job. Stores up to 246 records, with up to five referral and placement positions and five client contacted companies. Up to 66 character spaces are available for a description of employer benefits, and up to 227 character spaces for employee duties. Prints reports, plus two mailing labels. 26-4621 ..... 299.00

**Job Costing.** This software is designed to aid small construction companies in the preparation of job estimates, and to enable them to accurately track the progress and cost of each job. It keeps up with your two most valuable resources—time and money. Expenses are entered as they are incurred and are posted to each task by cost category. Detailed and summary information available on each job. Job Costing can be used for internal auditing to check invoices and purchase orders, too. As jobs are completed, year-to-date profit and loss is maintained on disk. It's an invaluable tool for estimating work volume and average gross profit.

Model II/12. 26-4513 ..... 149.00

Model 16. 26-6209 ..... 199.00

### Important Software Notice

All Radio Shack computer programs are licensed on an "as is" basis, without warranty. Radio Shack shall have no liability or responsibility for any loss or damage caused or alleged to be caused directly or indirectly by computer equipment or programs sold by Radio Shack, including but not limited to any interruption of service, loss of business or anticipatory profits or consequential damages resulting from the use or operation of such computer or computer systems.

# MODEL II/12/16 PROGRAM LANGUAGES



**FORTRAN.** Radio Shack's FORTRAN is based on the ANSI-66 standard and features complete error documentation in compiler, and hex and octal addresses for compiler listing. Includes Editor, Compiler, Linking Loader, Subroutine Library, and a Source and Listing File Print Utility.

**Model II/12.** 26-4701 ..... 299.00

**NEW! PASCAL MT +.** This language is a full-implementation of the standard PASCAL as set forth by the International Standards Organization. P/MT+ includes compiler, linker and the programming tools you need to help you build better programs faster. A speed programming package helps you remove "dumb" errors prior to compilation, with options including editor, reformatter, syntax check, variable check and fast compiler. Automatically readjust indentations and margins for structured overlay capabilities, chaining, call assembly routines and supervisor calls.

**Model II/12.** 26-4711. Avail. 10/30 .. 425.00

**Program Editor.** A package which can be used with any of our Model II/12 TRSDOS languages to modify source code. Easily change, delete and insert characters or lines. File record formats are selectable. Features global search.

**Model II/12.** 26-4710 ..... 79.00

**Editor/Assembler.** Quickly write, edit, test, assemble and execute programs in Assembly Language. Can be used with either 8080 or Z-80 mnemonics and constants can be specified in octal, hexadecimal or binary. Line and character-oriented text editor.

**Model II/12.** 26-4702 ..... 199.00

**Series I Editor/Assembler.** Program in machine language for faster execution and more efficient memory use. Editor features automatic line numbering, line renumbering, single-letter commands, global search, plus the source text may be saved in disk files. Source files may be loaded together in memory.

**Model II/12.** 26-4713 ..... 49.95

**Assembly Language Development System.** This five-module package includes Editor, Assembler, Linker, Debugger, and File Transfer.

**Model II/12.** 26-4712 ..... 249.00

**COBOL Development System.** Radio Shack's COBOL is a high-level implementation of the ANSI-74 COBOL standard for microcomputers, featuring the multi-keyed Indexed Sequential Access Method for quick access of data, interactive DEBUG, address stop, single and variable step display, extended ACCEPT/DISPLAY commands and full level-2 I/O commands. Also features Editor and single-pass Compiler.

**Model II/12.** 26-4703 ..... 299.00

**Model 16.** (TRSDOS-16) 26-6100 .. 299.00

**COBOL Run-Time Diskette.\***

**Model II/12.** 26-4704 ..... 40.00

**Model 16.** (TRSDOS-16) 26-6101 ... 40.00

**COBOL Generator.** Define a complete software package and generate a COBOL source program automatically. Requires one additional disk drive and COBOL Development System (26-4703).

**Model II/12.** 26-4707 ..... 995.00

**Compiler BASIC.** Features single-key ISAM to help organize and retrieve data, cross reference and interactive DEBUG to speed program development, easy calls to assembly language or other object programs, 14-digit floating point decimal format, full error control, complete CRT control, and single-pass compiler. (Note: Compiler BASIC is intended for program development and not for conversion of existing software.)

**Model II/12.** 26-4705 ..... 199.00

**Compiler BASIC Run-Time Diskette.\***

**Model II/12.** 26-4706 ..... 30.00

**NEW! BASCOM BASIC Compiler.** Designed to complement the Model II/12 Microsoft BASIC Interpreter, providing the programmer with an extremely powerful programming environment. MS-BASIC Compiler can support programs written for a wide variety of microcomputers with little or no modification. Allows you to create programs that execute faster and require less memory than the same interpreted programs, in addition to providing source code security. Speeds up applications and allows several chained programs to be supported by a main menu. Features BASRUN runtime module which contains most of the runtime environment. BASRUN allows you to develop a system of related programs that can all be run using the same runtime environment.

**Model II/12.** 26-4725. Avail. 10/30 .. 199.00

**NEW! CP/M Plus™.** This is a high-performance single-user, single-tasking operating system that opens the door to thousands of non-Radio Shack applications programs. Designed with the business user in mind, it is easy to learn and use. CP/M Plus features a flexible application program interface and powerful system utilities to facilitate software development. Compatible with CP/M 2.2 and MP/M II files. Hashed directory access, record buffering and multi-sector disk I/O support a high-performance file system. Hashing technique eliminates need for directory searching. Record buffers maintained in memory on an LRU scheme give the application program fast access to a working set of directory and data records. Allows two separate time and date stamps per file. CP/M Plus automatically logs in a disk when it detects a media change, freeing the user from having to inform the system when a disk is changed. Disk space is dynamically allocated and released. GET and PUT utilities allow application programs to redirect serial device input/output to or from a disk file, with no program modification required to use the utility. CP/M Plus utilities have a consistent syntax and accept optional English words to make commands easier to use and remember. The batch facility allows the user to perform repetitive tasks without re-keying the command sequence, and input files can include both program and system input. System primitives allow the application program to determine the amount of free space available on a drive, truncate files, and chain to another program. An additional primitive allows application programs to intercept and process system errors. Utilities allow customization of the operating system on a selective basis, and includes a symbolic instruction debugger, macro assembler, relocating macro assembler and linkage-editor with overlay capability to simplify systems level programming.

**Model II/12.** 26-4740. Avail. 10/30 .. 249.00

**NEW! CBASIC®.** A commercial dialect of the BASIC language implemented as a compiler/interpreter. It requires the CP/M Plus operating system, and is designed specifically to develop business applications. Compiles source code file into pseudo-code instructions, so application programs use RAM more efficiently. Maintains real numbers in BCD format to assure that fractional parts of dollar amounts will be exact and ledgers will balance to the penny. Also supports integer arithmetic, tremendously increasing program speed and throughput. Both fixed record length and stream input/output files are provided for maximum flexibility. Includes full complement of string functions, with strings dynamically allocated and unused memory returned to the system automatically. Supplied on diskette with complete documentation.

**Model II/12.** 26-4742. Avail 10/30 .. 99.00

## \*NOTE

Run-Time Diskettes are available separately for those who intend to sell software developed on our compilers. You don't need to purchase a separate Run-Time Diskette for your own use.

# MODEL II/12/16 ADVANCED SOFTWARE



## Model 16 Multi-User Programming Software

**TRS-XENIX™ Development System.** The TRS-XENIX development system, with the powerful C language, is for advanced programmers developing multi-user software to run under Model 16B XENIX. Because of C's flexibility, it has been used by software developers to write operating systems and utility programs for a number of computers. It has also been used to develop applications software for research and business uses, including numerical, text processing and data base programs. The entire system includes all standard UNIX™ utilities for multi-user software development (about 250 modules) including:

- C language compiler
- assembler
- text editor
- text processing (not including editors)
- text print formatting
- typesetting
- spelling dictionary with over 20,000 words
- electronic mail
- relocating program loader
- maintain program groups
- print spooler
- sort utility
- stream editor
- command processing
- interactive program debugger
- compiler generators
- file management
- pattern recognition and file comparison
- pattern scanning and processing language
- full password protection
- on-line communications

Requires a minimum of 256K memory (512K is recommended) and a hard disk.

**Model 16.** 26-6401 ..... 750.00

### NEW! TRS-XENIX BASIC Interpreter.

This advanced BASIC interpreter is loaded with features to make BASIC programming faster and easier. With MBASIC, you can chain other BASIC programs stored on disk to your main program and pass common variable values. In addition, MBASIC gives you easy calls to machine language subroutines for fast execution, and double-precision math operations for large numbers. MBASIC supports 40 significant characters for variable names, string variables of up to 32K bytes, and logical record lengths of up to 32K bytes.

**Model 16.** 26-6457 ..... 299.00

### TRS-XENIX COBOL Development System.

Common Business Oriented Language is perhaps the most popular programming language for business and accounting applications. That means a wide selection of COBOL software is available—much of which can be transferred to the Model 16B with little or no modification. Radio Shack's TRS-XENIX COBOL is a high-level implementation of the ANSI-74 COBOL standard for minicomputers. It features multi-keyed ISAM (Indexed Sequential Access Method) for quick access of data, interactive DEBUG for program development and testing with address stop, CRT control with extended ACCEPT/DISPLAY commands for attractive screen formatting, and full level-2 Input/Output commands. It has an Editor for creating and changing source programs and a single-pass Compiler which generates an object code for fast execution by the Run-Time Diskette. TRS-XENIX COBOL Development System comes with deluxe binder and includes User's Guide, COBOL Language Manual and sample programs.

**Model 16.** 26-6455 ..... 699.00

## Mainframe Communications

**NEW! Binary Synchronous Communications 3270.** Allows your TRS-80 micro to emulate an IBM® 3270/3271/3275/3277 display station. Communicate to a remote computer using standard IBM Binary Synchronous protocol for the IBM Systems 360/370 and 30-Series Central Processing Units, plus non-IBM devices equipped with BSC-3270 communications capability. All functions of an IBM 3270 display station are provided, including screen formatting, data link control, time-out control and cyclical redundancy checking. New features include separately addressable printer support, 3274/3276 support, menu driven configuration and send file support. Requires modification of the "A" serial port (extra charge).

**Model II/12.** 26-4730 ..... 1495.00

### Binary Synchronous Communications 3780.

With this communications program, your TRS-80 microcomputer can function as a remote terminal or a Remote Job Entry (RJE) terminal connected to a mainframe computer. This batch standard binary synchronous communications 3780 program allows the selection of IBM 2770, 2780, 3741 or 3760 terminal protocols for communicating with the IBM Systems 360/370 and 30-Series computers, IBM 2780 and 3780 terminals, DEC® PDP-11 or VAX-11 computers, and other devices equipped with bisynchronous communications ability. Bisync-3780 communicates in half-duplex mode and may operate at data rates up to 19,200-baud depending on the type of communications connection used. Editor/Assembler (26-4702) may be required if mode reconfiguration is needed. Requires modification of "A" serial port (extra charge).

**Model II/12.** 26-4716 ..... 995.00

### ReformatTer™.

Prepare programs and data for use with IBM equipment using the TRS-80 Model II/12. ReformatTer handles the transfer of files between TRSDOS and IBM-compatible diskettes. It organizes data to conform to the 3741 single-density IBM format, performs optional EBCDIC/ASCII character conversion and automatically initializes diskettes to the IBM format—including all necessary fields—eliminating the need for specially pre-formatted diskettes. Gives you full control over all aspects of an IBM diskette. Requires two disk drives.

**Model II/12.** 26-4714 ..... 249.00

**Model 12 Programs Will Run on a Model 16 in Model 12 (Single-User) Mode. Model 16 Programs Will Run on a Model II/12 with Upgrade Kit.**

# PRESENTING RADIO SHACK'S VIS™

## Videotex and Office Information System The System for Distributing Information



"Information Providers" supply and update the information. VIS will support up to 256 Information providers.

The "System Operator" maintains the facilities for storing the information.

"Information Consumers" select from the available information using a wide variety of popular computers or terminals.

**NEW  
FOR '84**

- Designed for Storing, Retrieving and Distributing Information
- Use as an Office Information System or as a Mass Market System
- Combines User-Friendly Software with the Powerful TRS-80 Model 16B
- Easily Expand with Hard Disks and TRS-80 Communication Multiplexors
- Retrieve Information Using Menus or by Title, Keywords or Synonyms
- Extremely Tolerant of User Mistakes—Even Accepts Misspelled Words

**Videotex and Office Information System (VIS).** A revolutionary Videotex program for storing, retrieving and distributing information. VIS offers state-of-the-art technology at prices that are a fraction of comparable systems. In fact, some VIS features are not available on any other system at any price.

**Closer Look at VIS.** VIS, as with all videotex systems, is a two-way interactive system that transmits electronic information directly to information consumers. With VIS, "information consumers" may be a select group, or general public, or both. Any terminal or computer with communications capability can be used to receive and display text. The "information providers" establish and organize the data. An information provider could be a real estate organization, insurance company, major corporation, or anyone with information to

be distributed on a timely, cost-effective basis. Central to VIS information distribution is the "system operator", who maintains the VIS system for a single or multiple information providers.

**Using VIS as a Corporate Information Tool.** VIS can meet the requirements of an information storage and delivery system within your company's internal operations. Using your office computer, home computer or a portable terminal, VIS lets you check factory orders against usable inventory, corporate sales figures, or any information required for higher efficiency and productivity.

**Using VIS as a Public Information System.** VIS can be used as a "public" information base in which paid subscribers are allowed access to information such as news, weather

and stock reports. Airline schedules, real estate directories and credit bureau information are just a few of the services possible.

**Retrieving Information Is Easy.** The information consumer simply enters a request on a computer or terminal. VIS receives the request, retrieves the desired information and formats it to the information consumer's computer or terminal. Then, the information is transmitted one screen at a time. An information consumer can request a VIS document by entering its title or a "keyword". VIS will even accept misspelled words or retrieve alternatives based on phonetic similarities! Keywords can be combined enabling the information consumer to select specific information quickly and easily.

**Use VIS to Your Advantage.** VIS is available today. For complete information, contact Radio Shack Videotex Department, 1700 One Tandy Center, Fort Worth, Texas 76102.

**VIS Software.** 26-6470 ..... 3500.00

**VIS Multiplexor Software.** Requires 26-6470.  
26-6471 ..... 1000.00

## Two Typical Radio Shack VIS Configurations



**Basic VIS System Operator Configuration**

**11,500<sup>00</sup>**

Commercial Lease Available  
Only \$395 Per Month\*

- 1-Disk Model 16B With Built-In 15-Megabyte Hard Disk
- Two D.C. Modem II's
- VIS Software

This configuration, consisting of the Model 16B with a total of 384K RAM and built-in hard disk, plus two modems with cables, is ideal as an entry level videotex system.



**Expanded VIS System Operator Configuration**

**22,400<sup>00</sup>**

Commercial Lease Available  
Only \$765 Per Month\*

- 1-Disk Model 16B With Built-In 15-Megabyte Hard Disk
- 12-Meg Secondary Hard Disk
- TRS-80 Multiplexor ■ VIS Software

A perfect Public Information System configuration. In this system, the Model 16B offers a total of 512K RAM. The 16-line multiplexor can handle 16 simultaneous phone calls.

System prices do not include required installation. \*Plus applicable use/sales tax.

AVAILABLE ONLY THROUGH RADIO SHACK VIDEOTEX DEPARTMENT, 1700 ONE TANDY CENTER, FORT WORTH, TEXAS 76102

# PERSONAL DESKTOP COMPUTER



64K 2-Disk With RS-232C

64K 1-Disk Without RS-232C

**NEW  
FOR '84**

**1999<sup>00</sup>**

Commercial Lease Available  
For Only \$70 Per Month  
(Plus Applicable Use/Sales Tax)

**1699<sup>00</sup>**

Commercial Lease Available  
For Only \$60 Per Month  
(Plus Applicable Use/Sales Tax)

- Self-Contained Desktop Unit ■ 80 x 24 Display
- 64K Memory—Expands to 128K ■ Numeric Keypad
- RAM-Based Disk Drive ■ Parallel Printer Interface
- CP/M Plus™ Compatible ■ Runs Model III Software

**TRS-80 Model 4.** Compare the features of the all new Model 4 to any other computer in its class. For power, versatility and convenience, you'll find Model 4 is a true price breakthrough!

**Software Flexibility.** Model 4 can run all Model III TRSDOS® programs (in Model III mode). That means a large software library is already available, and Model III owners can upgrade to a Model 4 without making their present software obsolete.

### Who is the Model 4 for?

The Model 4 is the perfect computer for busy managers, professionals, educators, and home computer users. Because a huge ready-to-run software library is currently available, Model 4 can be used for forecasting, word processing, data base management, computer assisted instruction, program development and for thousands of other applications. Model 4 expands easily to meet your growing computing needs, too.

In addition, Model 4 is compatible with LDOS™ and CP/M Plus™ operating systems giving you literally thousands of applications from which to choose.

**Easy to Use.** Simply add ready-to-run programs for word processing, spreadsheet analysis, data base management and much more and Model 4 is ready to go to work. The 2-disk model provides 368K of disk storage (184K each) and has a built-in RS-232C Serial Interface to access information networks by phone (requires modem and cable).

**Advanced Features.** The new TRSDOS 6 operating system allows you to turn extra memory into a superfast disk drive. This "MemDisk" feature allows for keystroke-quick responses instead of time-consuming disk access. A software print spooler lets you print one job while working on another. You can custom-tailor print-outs with the forms command. A Job Control Language makes it possible to set up a whole series of operations that Model 4 can perform unattended. A host/terminal package makes computer

communications easy. There are more features for serious programmers, too, such as routing, linking and filtering.

**Complete Documentation.** Model 4 comes with Microsoft® Disk BASIC and TRSDOS 6 operating system, an owner's manual, reference card, programming manual, and an introduction to start you computing immediately. U.L. listed.

**64K 2-Disk.** 26-1069 . . . . . 1999.00

**64K 1-Disk.** As above, but without RS-232C. 26-1068 . . . . . 1699.00

**SPECIFICATIONS. Microprocessor:** 4MHz Z-80A (2 MHz in Model III mode). **Memory:** 14K ROM, 64K RAM expandable to 128K (provides for disk drive emulation in RAM). **Keyboard:** 70-key typewriter-style with datapad, plus control, caps and 3 programmable function keys (F1, F2, F3). **Video Display:** 80x24 (Model 4 mode), 64x16 (Model III mode), or double-width 40 or 32 characters per line. Upper and lower case and reverse video (Model 4 mode). 96 text, 64 graphics and 96 "special characters. **Language:** Microsoft 5.0 includes CHA, COMMON, 40-character variable names, "endless loop" check, more. **Sound:** Obtainable from BASIC. Toggled "keyclick". **Disk Drives:** One or two built-in double-density 184K 5 1/4" drives. **External Connections:** Cassette operation at 500/1500 baud selectable under ROM BASIC. Parallel printer port. RS-232C serial port (2-Disk version only). Buffered input/output bus. **Dimensions:** 12 1/2 x 18 7/8 x 21 1/2". **Power:** 120VAC, 60Hz.

# MODEL 4/III/I HARD DISK DRIVE

Stores Five Million Characters

NEW LOW PRICES

Primary Drive  
Was \$2495.00 in  
Cat. RSC-9 **1999<sup>00</sup>**

Secondary Drive  
Was \$1995.00 in  
Cat. RSC-9 **1799<sup>00</sup>**



- Large Capacity and High Speed Make It Ideal for Inventory, Accounting, And Data Base Filing
- Compatible With Most Model 4, III And I Software

**5-Megabyte Hard Disk System.** Now you can have vastly increased data storage at a better than ever price! Winchester technology can provide dramatic improvements in speed. Add up to three Secondary Hard Disk Drives and get a total of 20 megabytes of storage. Store over 1000 different files per disk system or create files as large as the available space. The directory is alphabetized to make locating and accessing files quick.

**Advanced Operating System.** Furnished with LDOS™ Operating System which includes many advanced features such as communications. You can back up all files or select specific files. A print spooler is included, too. Other features include keyboard type-ahead for fast data entry, a versatile printer output formatting program, key redefinition, and more. An extensive user's manual is included. U.L. listed.

- Primary Drive.** Includes Hard Disk Operating System with BASIC and manual. 26-1130 ..... 1999.00
- Secondary Drive.** Installation required (not included). 26-1131 ..... 1799.00
- Model I Adapter Kit.** Includes adapter, cable and diskettes. Requires Expansion Interface, 32K memory, and Disk BASIC. May require installation (not included). 26-1132 ..... 39.95

## Powerful TRS-80 Model 4 Hard Disk System

- Store Over 5 Million Characters of Data
- Easy to Operate

Commercial Lease Available  
For Only \$165 A Month  
(Plus Applicable Use/Sales Tax)

Complete System  
**4736<sup>00</sup>**

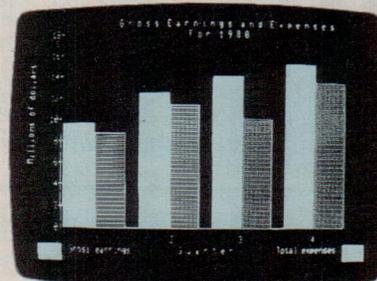
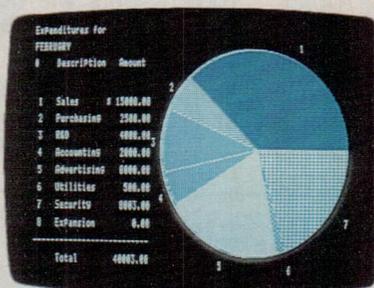
A cost-effective system for numerous applications. Add our ready-to-run software for data base management, accounting, forecasting and planning, and more. System includes our new 64K 2-Disk Model 4 (26-1069), 5-Megabyte Hard Disk Drive (26-1130), 80-column DMP-200 dot-matrix printer (26-1254) and printer cable (26-1401).



## Add High-Resolution Graphics to Your Model 4/III

Turns Your Video Display Into a Graphics Blackboard **249<sup>95</sup>**

- For Business, Engineering or Entertainment
- Easy-to-Use Graphics BASIC and Assembly Language Subroutines Included
- Provides 153,600 Picture Elements For Amazingly Fine Detail



### Eleven Graphics BASIC Commands Simplify Graphics Creation

- CIRCLE—Draws a circle, arc or ellipse.
- CLS—Clears a character or display screen.
- GET—Reads the bit-pattern in a block on the display screen into an array for alteration and future use.
- LINE—Draws a line between points.
- PAINT—Paints an area in a specified style.
- POINT—Checks to see if a point is on or off.

- PRESET—Turns a pixel on or off.
- PUT—Puts contents (bit pattern) of an array onto the screen. Used in creating animation.
- SCREEN—Screen Command/Flash mode. Useful in speeding up the display in painting and motion. Turns graphics screen on or off.
- VIEW—Defines the coordinates of a specified block (called "viewport") on the screen.
- VIEWPORT—Draws a viewport.

**NEW! Model 4 Hi-Res Graphics.** Turn your display into an electronic "sketch pad" to create sophisticated business graphs, tables, charts, maps, illustrations, geometric patterns—and animation! All you need to learn are eleven new BASIC commands (summarized at right). Includes 32K RAM memory board, manual and diskette. Installation required (not included). Requires 64K 1-Disk TRS-80 Model 4. 26-1126. Available 10/15/83 . . . . 249.95

**Model III High-Resolution Graphics.** Requires 48K 1-Disk Model III. 26-1125 . . . . . 369.95

# DISK SOFTWARE FOR MODEL 4/III/I



Three New Popular Programs that Take Advantage of Model 4's Superior Features—Large Internal Memory, 80 x 24 Display Screen and Improved Clock Speed

**NEW! SCRIPSIT®.** 4 (E) An easy-to-use, low cost word processing program for Model 4. Prepare correction-free memos, letters, reports and manuscripts. Displays a full screen of text in an 80-character by 24-line format. Includes all the standard features that have made SCRIPSIT an outstanding word processing program for years. There's a "global search" mode to find phrases or sentences that you want to alter or delete, plus reformatting, hyphenation, centering, headers, footers, justification, margin and tab settings, automatic page numbering and more. With manual and quick reference card. Requires printer. 26-1596 ..... 99.95

**NEW! PFS:FILE®.** 4 (E) Now you can create and organize your records according to your own specifications! With PFS:FILE you get an easy-to-use personal filing program that works like a paper filing system, but without the paper! You decide how your records are to appear by simply organizing information on "forms" that you design right on your display screen. Form layouts can have as much or little structure as you wish. The advantage? Store, retrieve, and review information in a fraction of the time it would take with a conventional filing system. Once you've created the basic form, all you do is fill in the blanks. Enter data in any order that you like. Retrieval is not limited by the order in which the information is stored. And you can change the original form design without having to re-enter the data. PFS:FILE can be used in various applications: business, professional, home and education. 26-1518 ..... 124.95

**NEW! Target PlannerCalc®.** 4 (E) Now you can get the versatility of higher-priced electronic spreadsheets for under \$100! PlannerCalc's easy-to-use design minimizes the need for an extensive user's manual. Create your own financial models by entering and processing data by column, row or individual location. The program offers you a wide variety of mathematical operations, including conditional commands. And best of all, PlannerCalc is a spreadsheet program that uses plain English formulas instead of the more complex algebraic formulas. For example, an obscure equation like "A1 = 500" can be written as "LINE 1 WIDGETS = 500". And a "Help" screen that details an operation is available by simply pressing the question mark key. 26-1512 ..... 99.95

## Word Processing, Data Base Management and Scheduling Programs

**SuperSCRIPSIT.** I/III (C) Includes all the word processing features of Model 4 SCRIPSIT (above) and more. SuperSCRIPSIT supports proportional-spaced printing, multiple line spacing, underline, boldface, super and subscripts, multiple columns and a 64 x 16 display format. Includes training manual and audio cassette course with reference manual and card. 26-1590 ..... 199.00

**SuperSCRIPSIT.** 4 (E) Includes all of the features of Model III SuperSCRIPSIT, plus full 80 x 24 screen display and reverse video to aid in editing. 26-1595. Available 11/15/83 .. 199.00

**SCRIPSIT.** I/III (A) 26-1563 ..... 99.95

**SCRIPSIT Spelling Dictionary.** I/III\* (B) Automatically checks for misspellings. Contains 73,000 commonly used words (34,000 with Model I), and you can add your own user list. For any text material prepared with SCRIPSIT, SuperSCRIPSIT or ASCII files. 26-1591 ..... 149.00

**Profile® III Plus.** III (D) Create your own personalized electronic filing system! Managers can keep track of price lists, business inventories, vendor and customer records, personal projects and more! Stores up to 700 records of 255 characters in length on a 2-disk database, 2100 with 4 disks. Create 99 fields per record. High speed access using up to 36 fields as search criteria. A math package performs arithmetic operations and updates other fields. Tailor five data entry screens to match your needs. Prints custom reports and mailing labels. Merges with VisiCalc® and SuperSCRIPSIT for reports and form letters. 26-1592 ..... 199.00

**Hard Disk Version.** III (C) All the features of Profile III Plus and more for the hard disk owner. Increases the number of records in your system and offers extra sorting features. 26-1593 ..... 299.00

## Easily Create Files and Generate Reports



Powerful Software for Information Management

**NEW! PFS:FILE.** III (D) Contains all the features of the Model 4 version (above) except it runs in the Model III mode (64 x 16 display). 26-1515 ..... 124.95

**NEW! PFS:REPORT.** III (D) A powerful analysis tool that produces presentation-quality tabular reports from files created with PFS:FILE. REPORT can sort from any data category in your files, and perform certain arithmetic functions to get averages, totals, subtotals and percentages. Information can be printed in alphabetical or numeric order with automatic centering and justification. 26-1516 ..... 99.95

## Save Time with Our "Manager Series"

**99.95**  
Each

- Keep Track of Your Priorities
- Create Charts of Time and Resources

**Time Manager™.** III (D) A personal calendar/reminder and electronic notebook. Helps you organize your time and business information, and creates permanent records. 26-1582 ..... 99.95

**Project Manager™.** III (D) Graphically displays a project in different ways to allow evaluation and scheduling. View project by time, sequence, personnel, materials or resources. 26-1580 ..... 99.95

**Personnel Manager™.** III (D) Organizes employee information, including schedules and salaries, plus business contacts and clients. Files can be searched by person, company, product or service. Prepares telephone and mailing lists. 26-1581 ..... 99.95

# MORE PROGRAMS FOR MODEL 4/III/I



## Enhanced VisiCalc®

**249<sup>95</sup>**

- A Multi-Purpose Program for Model 4
- View Countless "What If" Situations

**NEW! 4 (E)** This versatile management and engineering planning tool takes advantage of Model 4's 128K memory capacity and 80 x 24 display screen to handle large spreadsheet analysis problems. You simply define the formulas, enter the figures and VisiCalc performs all calculations automatically. Change any value or formula, and VisiCalc instantly updates every related number! You can view countless "what if . . . ?" situations in seconds. Enhancements include an entry editor to modify formulas and labels without re-entering them, and logical and relational operators to perform testing and branching. Optional printer allows printing of any portion of your worksheet.

26-1520. Available 10/30/83 . . . . . 249.95

**Enhanced VisiCalc. III (C)** All the features of the Model 4 version (above) except screen display is 64 x 16 and memory capacity is 48K. 26-1569 . . . . . 199.00

## VisiCalc Business Forecasting Model™

**III (C)** Now you can generate financial reports based on your VisiCalc spreadsheets. Produce easy-to-read income statements, balance sheets, cash flow, financial ratios, sales and cost of goods for multiple products, salary worksheets, asset and depreciation schedules. The Business Forecasting Model allows you to interact various worksheets to provide all data necessary. Requires VisiCalc. 26-1521 . . . . . 99.95

## Business Analysis with Desktop/Plan™-80

**III (C)** Analyze probable results of business decisions. Consolidates sub-models into summary model, transfers several budgets to a summary budget, reads VisiCalc files to produce reports, more. 26-1594 . . . . . 199.00

## New! MICRO/Courier® for Communications

**III (D)** Send and receive electronic mail quickly, inexpensively and reliably! MICRO/Courier is a powerful communications program that handles messages, letters, programs, data files, VisiCalc templates, graphic images—anything that can be stored in a TRSDOS file and accessed by your computer. You can communicate with other personal computers (with the same communications protocol as MICRO/Courier), or information services like CompuServe and Dow Jones News/Retrieval. Easily save information on disk for later viewing or make printouts with optional printer. MICRO/Courier has an "unattended" mode of operation that allows automatic dialing after hours to reduce rates and to keep your computer free for other uses during normal business hours. Also, messages can be sent to a predetermined set of addresses automatically. Operation of MICRO/Courier is simple—you are guided every step of the way with menu selections and prompt messages on the display screen. Comprehensive user manual included. Requires Modem II and RS-232C interface.

26-1589 . . . . . 149.95

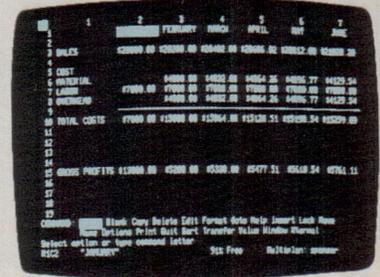
### Minimum System Requirements for Disk Software

- |                        |                |                |
|------------------------|----------------|----------------|
| III = Model III        | (A) 32K 1-Disk | (D) 48K 2-Disk |
| I/III = Model I or III | (B) 32K 2-Disk | (E) 64K 1-Disk |
| 4 = Model 4 only       | (C) 48K 1-Disk |                |
- \* Requires 3-Disk System on Model I with SuperSCRIPSIT

## Powerful Multiplan™ For Model 4

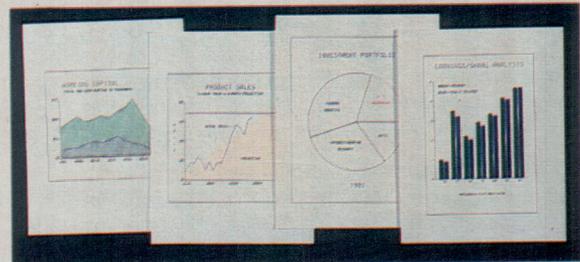
**NEW FOR '84** **199<sup>00</sup>**

A "Second Generation" Forecasting Program That Makes Spreadsheet Analysis Easier Than Ever



**4 (E)** An incredibly easy-to-use decision support tool. Multiplan lets you consolidate related worksheets so that information is transferred between them automatically. All prompts are full length words or phrases. Plain English names can be assigned to any column, cell or area. If you have any questions, an On-Line Reference Guide knows where you are in Multiplan and offers information related to your problem. With Multiplan, up to eight display windows can be created on the screen simultaneously. Sorting can be performed in alphabetical or numeric order. Vary individual column widths, center numbers and text within a column and align decimals. Format your own reports, too. Multiplan can also directly utilize your current VisiCalc files. Includes tutorial manual. 26-1530. Available 10/30/83 . . . . . 199.00

## Versatile Business Graphics Analysis Pak



**174<sup>95</sup>** Select Pie, Bar, Line or Scatter Charts

**III (D)** Great for corporate planners, analysts, managers or business people. Select a picture type, supply the data, and the program quickly displays your graph on the screen. Allows editing of titles and labels before printing. Options include the size, shape and format of the chart, adjusting the scale range, adding shading and a frame, and much more. Enter data from keyboard or disk files, including VisiCalc. 26-1597 . . 174.95



## Invest in Disk Trendex

**59<sup>95</sup>**

Analysis Accomplished with the Aid of Formulas Used by Professional Investors

**I/III (A)** Provides stock trend indications for short, intermediate and long term periods. Maintains intermediate trends for portfolio of your choice. Not for counsel to buy or sell securities. 26-1510 . . . . . 59.95

## Standard & Poor's STOCKPAK™ Program

**III (B)** Maintains a portfolio of 100 securities. Sample data base includes 900 NYSE, AMEX and OTC stocks. Analyze stock, more. 26-1507 . . . . . 49.95

# MODEL 4/III/I LANGUAGES AND GAMES



**NEW FOR '84**

**CP/M Plus Operating System**

**149<sup>95</sup>**

**CBASIC Language**

**99<sup>95</sup>**

- **Sophisticated CP/M Plus™ System and CBASIC® Language for TRS-80 Model 4**
- **Advanced CP/M Plus Operating System Puts Thousands Of Different Applications at Your Disposal**
- **CBASIC Offers Efficient Memory Use, Extended Precision Arithmetic and High-Level File Management**

## New! Alcor Pascal Programming Language

**Highly Efficient.** Alcor Pascal is a full Pascal implementation. It provides the tools and facilities to help you solve the most difficult programming problems. For speed and efficiency, the compiler generates a p-code (pseudo-code) that can be interpreted, or further translated into machine instructions for execution directly by the hardware. For added space, an optional p-code optimizer reduces a program by 10-30%. For added speed, an optional native code generator converts the p-code to machine language. Resulting code executes between three and five times faster than the p-code. Object code is portable, so you can compile programs on one system and execute them on another.

**Complete Package.** Includes compiler, interpreter, linking loader for building libraries of commonly-used routines, full-screen text editor, large library of routines, extensive string routine library, and a documentation package which includes a Pascal tutorial with 500-line database program.

**Alcor Pascal for Model 4.** 4 (E) 26-2212. Available 11/15/83 . . . . . 249.95

**Alcor Pascal for Model I/III.** I (D) III (C) 26-2211 . . 249.95

## Quality Programs for Language Versatility

**COBOL.** I/III (D) Based on the ANSI '74 standard. Provides single-step compiler, multi-key ISAM, COBOL editor and DEBUG. Includes 297-page manual. 26-2203 . . . . . 199.00

**Compiler BASIC.** I/III (D) Single-key ISAM, DEBUG and cross-reference. (Intended for program development and not for conversion of existing software. Not compatible with Level II or Model III BASIC programs.) 26-2204 . . . . . 149.00

**Runtime Diskettes.** I/III (C) For those who sell software developed on our compilers.

Runtime Diskette	Model I	Model III	Each
COBOL	26-2206	26-2207	30.00
Compiler BASIC	26-2208	26-2209	20.00

## Useful BASIC Routines Diskette

I/III (B) Supercharge your programs with these 121 subroutines, functions and utilities described in *BASIC Faster and Better & Other Mysteries* (62-1002, not incl.). Modify routines or use "as is." 26-2021 . . 19.95



**High-Performance System.** CP/M Plus is a valuable addition to Model 4. CP/M Plus is designed for the business user, and it's easy to use. It supports thousands of existing CP/M programs, including popular word processing, spreadsheet analysis and database management programs. CP/M Plus is very fast and supports Model 4's bank-switched memory.

**Advanced Features.** CP/M Plus is easy to learn and even offers a HELP facility. It's upward compatible with CP/M 2.2, but has many new features—including a high-performance file system. In addition, CP/M Plus automatically logs in a disk when it detects a media change. For easy file selection, time and date stamping options allow the user to record in the disk directory two entries for time and date stamps for each file. (CP/M Plus does not require a hardware card—the user simply boots the CP/M version of the software.)

**Popular Business Language.** The super-efficient CBASIC complements application development under CP/M Plus.

**CP/M Plus.** 4 (F) 26-2216 . . . . . 149.95

**CBASIC.** 4 (F) 26-2217 . . . . . 99.95

## Programming Languages and Utilities

**NEW! BASCOM.** III (D) Feature-packed for fast compilation of Model III BASIC programs. Includes compiler, linker routine library and run-time package. 26-2210. Avail. 10/15/83 . . . . . 195.00

**FORTTRAN.** III (D) Write programs in FORTRAN using EDIT-80, a powerful editor with commands for interline and intraline editing. With compiler, linking loader and arithmetic library subroutines. Includes 250-page manual. 26-2200 . . . . . 99.95

**NEW! Assembly Language Development System.** III (D) Powerful package that's a necessity for the assembly language programmer. With full screen Editor, Assembler with sorted cross-reference listing, Linker for creating an absolute file, automatic File Transfer, and Debug modules. Offers numerous important and helpful features and includes TRSDOS 6 and Model III TRSDOS 1.3 support. 26-2012. Available 10/15/83 . . . . . 149.00

**Editor/Assembler, Series I.** I/III (A) Allows advanced programmers to program in Z-80 assembly language. Includes editor/assembler, sample programs and extensive 255-page manual—including detailed descriptions of the Z-80 mnemonics. 26-2013 . . . . . 34.95

## Fascinating and Fun Disk Games

**ZORK™.** III (A) Enter into a fantasy of danger and opportunity! You must find the treasures in this challenging, complex adventure game. 26-1951 . . . . . 39.95

**Model I ZORK™.** I (A) 26-1950 . . . . . 39.95



**Monty™ Plays Monopoly®.\*** III (A) A tough, entertaining competitor! Adheres strictly to the official rules. Computer-generated dice. Graphics and sound effects. 26-1952 . . . . . 34.95

**Monty™ Plays Scrabble®.\*** III (A) 54,000-word capability! S levels and automatic score-keeping. Graphics and sound effects. 26-1954 . . . . . 34.95

**Xenos.** I/III (A) Discover and destroy what has wreaked havoc on the deserted town! 26-1955 . . . . . 24.95

\*Requires board game and optional mini-amplifier.

All Model III Programs Run on Model 4 in Model III Mode

# MODEL 4/III/I BUSINESS SOFTWARE

Interactive Programs to Streamline Your Accounting

**NEW FOR '84**

**199<sup>95</sup>** Each

- Get Increased Speed, Efficiency and Accuracy with Computerized Bookkeeping
- Interactive Programs Give You Greater Control



**NEW FOR '84**

**5332<sup>00</sup>**

Commercial Lease Available For Only \$185 Per Month (Plus Applicable Use/Sales Tax)

## Team Up These Programs for Super Efficiency

**General Ledger.** III (D) Makes small business accounting procedures faster and easier. Maintains accurate records of all bookkeeping transactions and provides a balanced ledger. Use General Ledger alone or interface with the Accounts Receivable, Accounts Payable and Payroll programs for a complete, interactive accounting system. Handles up to 100 accounts and 1150 monthly transactions. Generates easy-to-read financial reports, including Trial Balance (with or without a worksheet), Income Statement, Balance Sheet, General Ledger, Account List with all accounts (or a specified range of accounts) and their current-period and year-to-date balances, Posted Transactions Report and Unposted Transactions Report for the current period. Computes up to five levels of totals and two levels of headings for financial statements. Provides each account's end-of-period balance for previous fiscal year's 12 periods, as well as each account's end of period balance for all complete periods of the current fiscal year. Lets you compare current year figures with previous year figures on the same balance sheet or income statement. 26-1540. Available 10/30/83 ..... 199.95

**Accounts Receivable.** III (D) A balance forward system which provides rapid and accurate monitoring of sales and incoming funds. Will interface with General Ledger above—all transactions are summarized and the totals are automatically posted to General Ledger. Offers seven standard General Ledger accounts, plus 10 user-definable accounts. Handles up to 2000 transactions per month with up to 150 customers on file. Reports include Unposted Transactions, Posted Transactions, Customer List, General Ledger Account List and Aging Report on selected customer accounts. Offers optional use of minimum payment amount on statements, and optional late charge processing (compounding option also available). You can print mailing labels, statements, an Aged Trial Balance for audit purposes and a General Ledger report. 26-1541. Available 10/30/83 ..... 199.95

## Superb Programs to Complete Your System

**Inventory Control.** I/III (B) Retail inventory record-keeping and control for up to 1000 items. Tracks vendors, order dates, back-orders, out-of-stock and on-order items. 26-1553 ..... 99.95

**Manufacturing Inventory Control.** I/III (B) Handles up to 1900 raw materials, up to 20 finished goods per diskette. Prints bill of materials, finished goods list and more. 26-1559 ..... 199.95

**Business Mailing List.** I/III (B) Prints two-across labels. Fast sort in Zip Code or alphabetical order. Handles 990 names with 32K 2-Disk, or 2970 names with 48K 4-Disk. 26-1558 ..... 99.95

### Minimum Hardware Requirements

I = Model I only	(A) 32K 1-Disk	(D) 48K 2-Disk
III = Model III	(B) 32K 2-Disk	(E) 64K 1-Disk
I/III = Model I/III	(C) 48K 1-Disk	(F) 64K 2-Disk
4 = Model 4 only		

This top-of-the-line Model 4 business system includes the powerful 64K TRS-80 Model 4 with two built-in disk drives (26-1069), 5-Megabyte TRS-80 Hard Disk Unit (26-1130) and high-performance DMP-500 printer (26-1252; with cable, 26-1401). It's the perfect system for accounting, as well as many other business applications.

**Accounts Payable.** III (D) Will automatically post transactions and payments to General Ledger program. Handles up to 1100 transactions, 75 vendors, five General Ledger expense distributions per invoice and 14 invoices per check. Includes four General Ledger accounts, plus 10 user-definable accounts. Calculates due dates, discount dates and discount amounts by vendor payment terms. Prints Unposted Transactions List, Transaction Posting Report, Vendor List, Open Items List, Cash Requirements Report, Vendor Mailing Labels, G/L Account List, G/L Distribution Report, Check Review Report (for verification before check printing), Checks, Check Register and Payment Posting Report. 26-1542. Available 10/30/83 ..... 199.95

**Payroll.** III (D) Tracks earnings, deductions and taxes for each employee, as well as employer contributions such as FICA, FUI, SUI and more. Will interface with the General Ledger program. You can customize your system in accordance with local, state and federal tax laws. Processes up to 80 employees, each with up to nine earnings and nine deductions categories. Handles payroll tasks for up to three states simultaneously. Earning/Deduction types allow changing amounts for employees, taxed or exempt. Also define categories for FLSA and EEOC reporting, keep historical records by period, quarter and year, and more. 26-1543. Available 10/30/83 ..... 199.95

(Note: Three disk drives required to interface programs. All programs require a printer capable of printing 132 columns or an 80-column printer capable of printing 132 columns in condensed format.)

## Fast and Easy Bookkeeping System

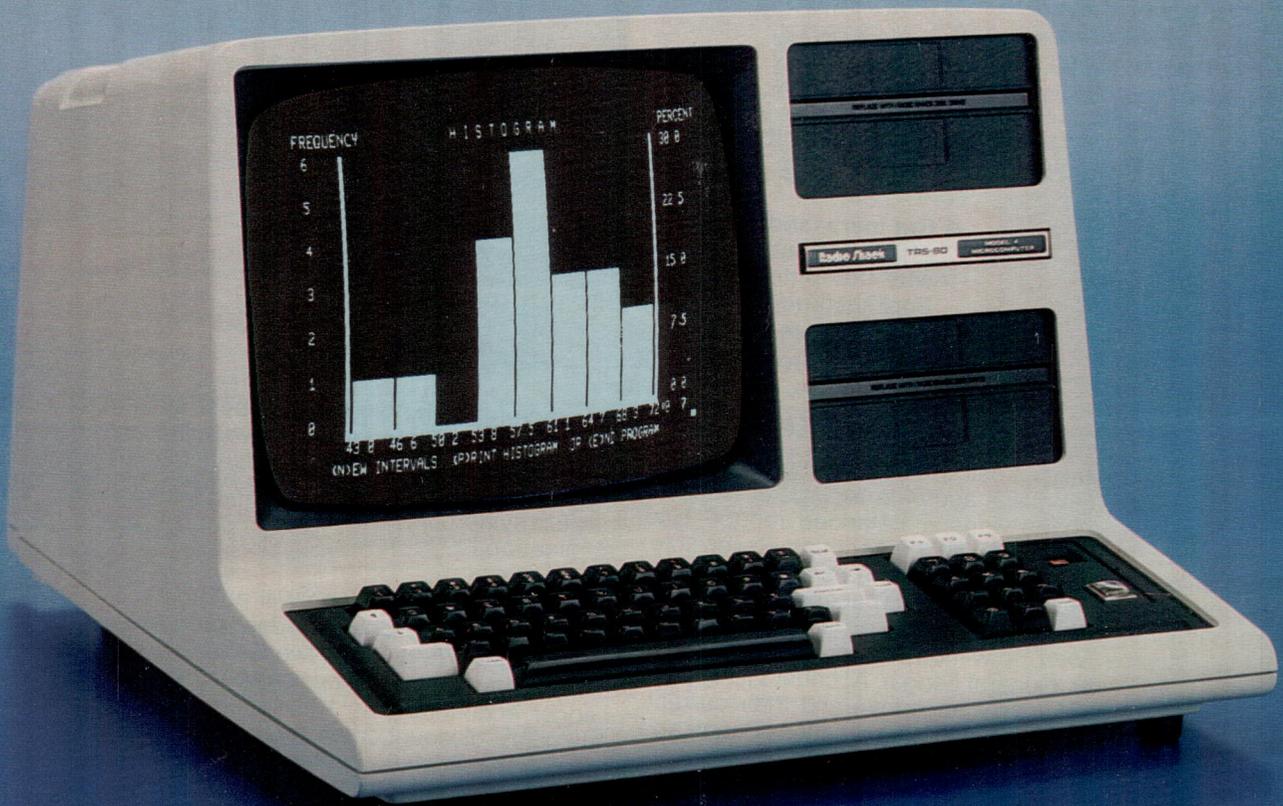
**Business Checkwriter™.** III (D) Ideal for small business! You get a check writer, a detailed check stub for paying multiple invoices, and a bank reconciliation system. Handles multiple accounts individually, 100 payees, 100 expense categories and 375 total checks and deposits per period. Records handwritten checks and multiple daily deposits. Maintains current bank total. Check stub details discounts and expenses. Prints checks, detailed stubs, check register, expense and payee-to-date summaries, payee lists and expense list. Requires printer. 26-1585 ..... 149.95

## New! Ideal Real Estate Decision-Making Tool

**Real Estate Finance.** III (D) Ideal for the agent, investor, broker, lender or appraiser. Features Complete Mortgage, Equity, Present Worth and Building Developmental Analyses, as well as Rate of Return, Income and Expense Projections and more. 26-1579 ..... 99.95

All Model III Programs Run on Model 4 in Model III Mode

# TRS-80® MODEL 4 CASSETTE SYSTEM



Expansion covers simulate disk drives

**NEW FOR '84**

16K Model 4  
**999<sup>00</sup>**

As Low As \$56 Per Month  
On CitiLine Credit

- Self-Contained Desktop Unit Includes Keyboard, Datapad and Monitor
- High-Resolution 12" Monitor Displays 16 Lines of 64 Characters
- Powerful BASIC in ROM ■ Ready-to-Run Programs Available
- Built-In Printer Interface ■ Easy Internal and External Expansion

**16K TRS-80 Model 4.** An affordable personal computer that's ideal for beginners and pros alike—it's easy to use and hard to outgrow! With our ready-to-run software, you can put Model 4 to work or play immediately. Or learn BASIC programming with the excellent Model 4 beginner's manual. And when you're ready, this cassette-based system expands easily and economically into a full-powered disk-based system to take advantage of all the new Model 4 disk features described on page 18.

**Huge Software Library.** By simply adding a cassette recorder (below), you can use a tremendous selection of ready-to-run Model III software. Set up a household budget, computerize your club's mailing list, create a home inventory file, teach your kids, play exciting computer games, and much more! Model 4 can analyze statistics and even become an incredibly low-cost word processor. There are also languages and utility programs for both the beginning and advanced programmer.

**A System with Big Capabilities.** As your computing needs grow, Model 4 can keep pace. This cassette-based system expands easily with extra memory, disk drives, even an RS-232 port. Just add our 64K RAM Kit and an internal disk drive and have a powerful disk-based Model 4 (installation required—not included). You can also expand with accessories like a printer, plotter, digitizer, telephone interface and external floppy disk or hard disk drives. Includes easy-to-use 340-page beginner's manual to get you started in programming. U.L. listed.  
26-1067 ..... 999.00

**SPECIFICATIONS.** Microprocessor: Z-80A 8-bit. Clock Speed: 2.03MHz. Memory: 14K ROM, 16K RAM (expandable to 64K). Keyboard: 70-key typewriter-style with control key, 3 programmable function keys (F1, F2, F3), caps key and 12-key datapad. Video Display: Memory mapped with high-resolution 12" monitor. 64 or 32 characters by 16 lines, upper and lower case. 96 text, 64 graphics and 96 "special" characters. External Connections: Computer-controlled cassette interface at 500/1500 baud selectable under ROM BASIC. Parallel printer port. Buffered input/output bus. Dimensions: 12<sup>1</sup>/<sub>2</sub> x 18<sup>7</sup>/<sub>8</sub> x 21<sup>1</sup>/<sub>2</sub>". Power: Integral power supply, 105-130VAC, 60 Hz.

## Who is the Model 4 for?

The cassette-based Model 4 is ideal for beginning computer enthusiasts who want an excellent "starter" system. It's affordable and has a vast software library to choose from. The Model 4 is also an excellent choice for professional people who may later want to expand it into a powerful business system, and for schools to use in classroom networks.

## CCR-81 Cassette Recorder

**59<sup>95</sup>**

- Cue/Review and Tape Counter for Easy Indexing
- LED Data Record Indicator



Ideal for loading and recording programs and data on cassettes. Includes cable. U.L. listed AC operation or 4 "C" batteries (not included). 26-1208 ..... 59.95

# CASSETTE GAMES FOR MODEL 4/III/I



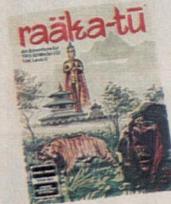
## Haunted House

**1/2** A great first adventure game—perfect for youngsters and adults alike. You're trapped in a ghostly mansion with no apparent way to escape! Solve the mysteries and you'll get out alive—you hope! 26-1910 ..... 9.95



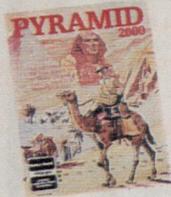
## Bedlam

**1/2** Can you free yourself from the confines of the asylum? You face numerous perils—guard dogs, insane patients and much more. The way out changes every time you play—it's never the same twice. It can drive you mad! 26-1917 ..... 14.95



## Raaka-Tu™

**1/2** Search the temple of a forgotten civilization! Evade guards and reach the inner chambers where treasures lie. Success comes only to those who are daring and resourceful. It takes all the magic you can muster! 26-1915 ..... 14.95



## Pyramid

**1/2** An exciting, challenging adventure that will provide hours of enjoyment! Explore the unknown passages of a forgotten Egyptian tomb in search of hidden treasure. But be careful—you never know what's ahead! 26-1909 ... 14.95



## Space Warp

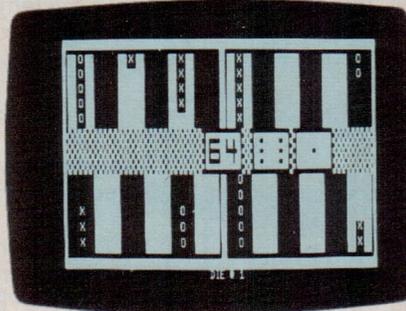
**1/2** Fast-action space adventure! Your mission—search the galaxy to find and destroy the alien vessel. Demands fast reflexes and sharp wits. Ten levels of play. Optional amplifier may be used for sound effects that add to the fun. 26-1912 ..... 14.95

## Minimum System Requirements

1—16K Level II 2—Model III BASIC  
Model III programs run on Model 4 (in Model III mode). Software requires a TRS-80 Model 4/III/I computer and a cassette recorder (such as our CCR-81, page 24).

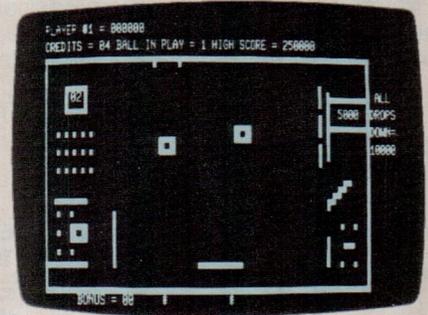


## Gammon Gambler™ Backgammon



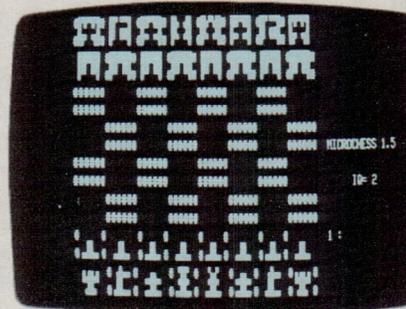
**1/2** Challenge your computer—it's an opponent always in top form that never gets tired! A great way to sharpen your skills. Includes doubling cube for betting. Graphically displays board and pieces. Ten skill levels. 26-1916 ..... 19.95

## Paddle Pinball for Non-Stop Fun



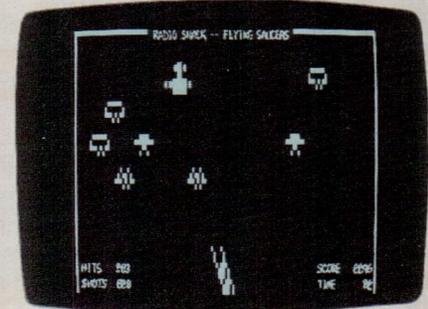
**1/2** Become a pinball wizard! Combines a pinball field that you can vary with fast paddle action. Create an arcade atmosphere by accessing the exciting sound effects with optional audio amplifier. 26-1914 ..... 9.95

## Discover Microchess



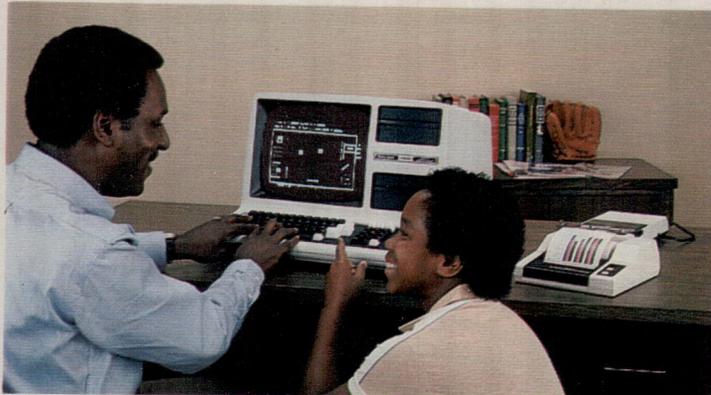
**1/2** Put your chess skills to the test against a master of this classic game—the computer! Can you devise a superior strategy? There are three levels of difficulty to choose from. For beginners or advanced players. 26-1901 ..... 19.95

## Be a Hero with Flying Saucers



**1/2** The year is 1999 and the sky darkens with deadly "spy saucers"! It's up to you to shoot the aliens down in "real time" with your laser cannon. Fast-paced fun! Nine skill levels. 26-1905 ..... 9.95

# MODEL 4 SYSTEMS AND SOFTWARE



## Versatile and Affordable Starter System

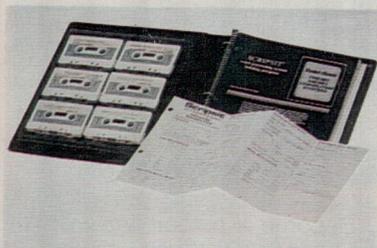
**1297<sup>90</sup>**

As Low As \$73 Per Month on CitiLine Credit

**Everything You Need To Start Computing**

This 16K cassette-based Model 4 system is the ideal choice for beginning computer enthusiasts! It includes the Model 4 computer (26-1067) and our CCR-81 Cassette Recorder (26-1208) which makes it easy to use a wide selection of ready-to-run software. Create a home inventory or recipe file, computerize your club's mailing list, teach your kids, play exciting computer games and much more. Or write your own programs in the powerful Model 4 BASIC and store them on cassette tapes. You can get program listings with the CGP-115 Color Graphics Printer (26-1192), as well as create sharp-looking graphs, charts and diagrams in four vivid colors. The system is complete with printer cable (26-1401) and Model 4 learner's manual.

## SCRIPSIT® Word Processing



**39<sup>95</sup>**

- Edit, Move or Delete Text Before You Print
- Easy to Learn—Comes With Training Course on Cassette Tape and Manual

(1/2) Compose and edit your text on the video display, then use an optional printer to produce correction-free originals. Save your text on cassettes for later revision or update. Features include centering, headers, footers and more! Lets you find or replace specified words, too. 26-1505 ..... 39.95

## Easy-to-Use Budget Management

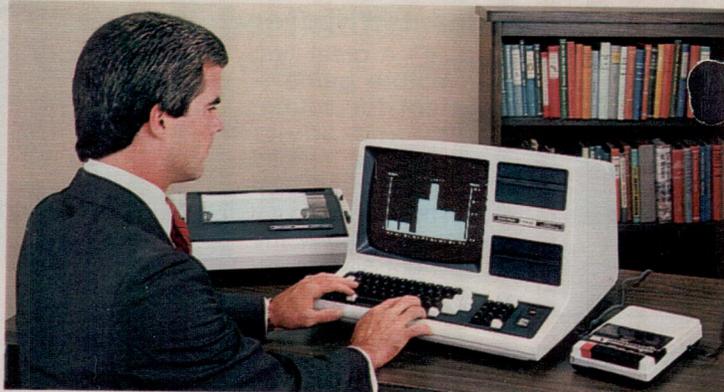
(1/2/3) A terrific low-cost way to keep up with and control your home budget. Records up to 60 budgeted accounts with 25 cash expenses, plus 20 savings transactions and 50 checks per month. Prints various reports with optional printer. 26-1603 ..... 19.95

## DEBUG for Advanced Programmers

(1/2) Display blocks of memory in 128 or 256-byte full-screen mode. Displays Z-80 registers and contents. Also allows modifications to RAM and registers. Includes single step execution of programs and breakpoint interruption of execution. 26-2000 ..... 19.95

## Series I Editor/Assembler

(1/2) Includes manual with Z-80 instruction set. Editor features automatic line numbering, single-letter commands, plus optional parameters, global search and more. Assembler features single-letter command with optional switches and eight pseudo-ops. 26-2011 ..... 29.95



## Easy-to-Operate Personal Business System

**1796<sup>95</sup>**

As Low As \$101 Per Month on CitiLine Credit

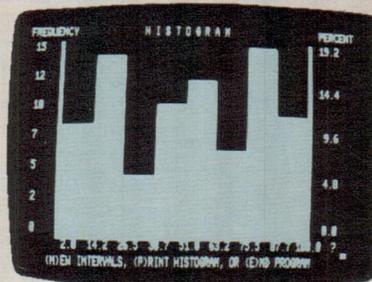
**Ideal for Home or Business Use**

For small business applications in your home or office, the 16K Model 4 (26-1067) is the way to go. And as your needs grow, Model 4 will easily expand into a powerful disk-based system. You can load our ready-to-run software with the CCR-81 Cassette Recorder (26-1208). The DMP-200 Dot Matrix Printer (26-1254) with cable (26-1401) gives you draft-quality correspondence and reports with the optional SCRIPSIT® word processing program (below). Model 4 BASIC gives you advanced programming features for greater creativity and usefulness. You can't top a Model 4 system like this for personal budget or investment portfolio handling, statistical analysis, mailing lists, real estate calculations and many other business uses.

## Advanced Statistical Analysis

Analyze Data and Forecast Trends

(1/2/3) Ideal for business, education and administration. Includes random sample, descriptive statistics, histogram, frequency distribution, analysis of variance, T-test for matched pairs, correlation and linear regression, multiple linear regression, time series analysis, and Chi square analysis. 26-1705 ..... 39.95



## Model III BASIC Tape Instruction Course

(2) Features an introduction and eight lessons with many helpful quizzes and examples. Explains programming, editing, the use of variables, operators and commands, data storage, special Model III BASIC features, machine language subprograms, and more! 26-2015 ..... 24.95

## Easy-to-Learn Model III Pascal

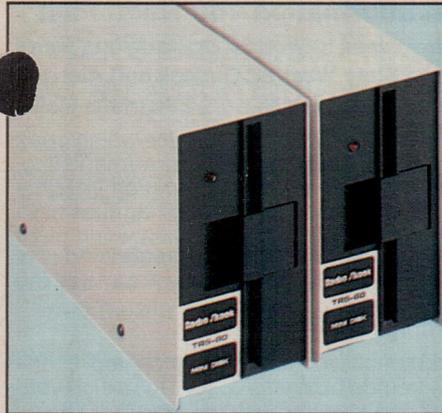
(2) Great introduction to this structured programming language. Fixed point, non-array version of PASCAL. Includes sample programs to get you started. Model III Pascal is complete with monitor, compiler and editor. 26-2020 ..... 19.95

## Applications Sourcebook

Thousands of listings for education, business, industry/profession, statistics/math, home and games programs. Includes a variety of vendors. Programs neither seen nor tested by us so we cannot be responsible for any problems. 26-2114 ..... 4.95



# MODEL I/III/4 EXPANSION OPTIONS



## Increase Your TRS-80 Model III/4 Disk Storage

Upgrade your Model 4 or III from a cassette system to a disk system configured to your particular storage needs.

**NEW! Model 4 Internal Drive 1.** Includes a 184K, 5<sup>1</sup>/<sub>4</sub>" double-density disk drive with TRSDOS 6 operating system, Disk BASIC and manual. 26-1127 .. 649.00\*

**New Low Price! Model III Internal Drive 1.** Includes TRSDOS, Disk BASIC and manual. Was \$799 in Cat. RSC-9. 26-1162 ..... 649.00\*

**New Low Price! Model III/4 Internal Drive 2.** Was \$349 in Cat. RSC-9. 26-1163 ..... 239.95\*

**External Disk Drives.** Add another 184K with each external drive. Uses 40-track 5<sup>1</sup>/<sub>4</sub>" diskettes. Internal Drive #1 required. U.L. listed.

**New Low Price! Drive 3.** Was \$449 in Cat. RSC-9. 26-1164 ..... 359.00

**New Low Price! Drive 4.** Was \$449 in Cat. RSC-9. 26-1161 ..... 319.00

## Communicate By Phone

### RS-232C Serial Communications Board and Cable

Allows you to communicate with information networks and other computers by telephone. Send or receive electronic mail. Become a part of a community bulletin board network and exchange information with other home computer owners. Or communicate with information networks such as CompuServe® or Dow Jones News/Retrieval®. Access a variety of business, consumer and entertainment offerings, including electronic banking and shopping, current and historical corporate stock and commodities information, family information and education, computer games, up-to-the-minute news and more. Requires modem and software. For Model 4 and Model III only. 26-1148 ..... 99.00\*

### RS-232C Communications Software

Allows communications between a pair of Model I and/or Model III computers over phone lines. Requires modem and communications interface. For 16K Level II, Model III BASIC or 32K 1-Disk systems. 26-1149 ..... 39.95

## Convert to a Model 4 Disk-Based System

### NEW! Model 4 Upgrade Kit

Converts TRS-80 Model III disk-based system to a Model 4 disk-based system (except for cabinet). Includes new keyboard, 64K RAM, and TRSDOS 6 diskette with new Microsoft® Disk BASIC. 26-1123 ..... 799.00\*

### NEW! Model 4 64K RAM Kit

Expands a Model 4 with 64K memory to 128K. Also required for Model 4 cassette to disk upgrade. 26-1122 ..... 149.00\*

## Model III Memory Expansion Options

### 16K RAM Memory Expansion Kit.

Each kit you add to your Model III expands your computer's internal memory in 16K increments up to 48K. 26-1102 ..... 49.00\*

### Model III BASIC and 16K RAM Kit

Upgrades your 4K Level I to Model III BASIC. For Model III only. 26-1121 ..... 299.00\*

### Minimum System Requirements

1—16K Level II    2—Model III BASIC    3—32K 2-Disk

Cassette software requires a TRS-80 Model 4, III or I computer and a cassette recorder, such as our CCR-81 Computer Recorder on page 24. Programs that run under Model III BASIC will also run on a Model 4 (in Model III mode).

## Powerful LDOS™ Operating System

LDOS is an advanced operating system that offers the TRS-80 user many features and enhancements that are not included in TRSDOS. It adds data transportability—read LDOS diskettes on a Model I or on a Model III or 4. Includes a Job Control Language to control unattended operation of your computer, a terminal utility, keyboard type-ahead, printer spooling to memory and/or disk, a printer output formatting program, and device independence—linking, routing and filtering. Includes an extensive operating manual with examples of functions, a glossary and handy cross-reference index. Most Radio Shack software is supported under LDOS (documented with purchase).

**Model I Version.** Also supports double-density disk kit (26-1143). 26-2213 ..... 129.00

**Model III/4 Version.** 26-2214 ..... 129.00

## Expansion Kits for Your TRS-80 Model I

We still support our *first* TRS-80! It's easy to make your Model I more versatile—just bring your keyboard to any Radio Shack Computer Center or participating store or dealer and we'll take care of the rest.

### 16K RAM and Keypad

Upgrade from 4K to 16K RAM and add new keypad. 26-1101 ..... 130.00\*

### Level I to II ROM Upgrade

Move up to more programming power with Level II BASIC. Compatible with 4K or 16K RAM. 26-1120 ..... 150.00\*

### Lower Case Kit

Add lower case characters to your Model I. "Driver" tape included. NOTE: Some non-Radio Shack software will not run with this kit installed. Not intended for use with programs written in upper case format. 26-1104 ..... 59.00\*

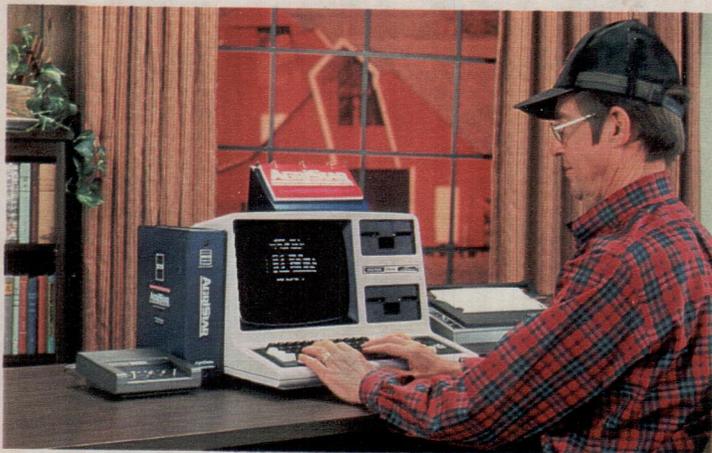
### Numeric Keypad Kit

Makes data entry much faster. You can still enter numbers using typewriter keyboard numerals. Mounts to the right of keyboard. 26-1103 ..... 79.00\*

### RS-232C Interface Board

Let your Model I communicate with the "outside world"! Mounts inside Expansion Interface and lets you connect modems, card readers, serial line printers and more. Includes comprehensive manual, cable and cassette program for using your TRS-80 as a terminal for communications with a remote time-sharing computer system. 26-1145 ..... 99.00\*

# ACCESS A WORLD OF INFORMATION



## Complete TRS-80 Model 4 AgriStar System

Complete System

**2418<sup>85</sup>**

Commercial Lease Available for Only \$65 Per Month (Plus Applicable Use/Sales Tax)

This system makes it easy to get the very latest news and information that affects your business. You get our versatile TRS-80 Model 4 Desktop Computer with two built-in disk drives (26-1069), the AgriStar program (26-2227) and the Auto-Dial Direct-Connect Modem II telephone interface (26-1173; with cable, 26-1408) that connects the Model 4 directly to any modular phone jack. You can use this powerful Model 4 system for other farm management tasks—just add our ready-to-run software

## Get the Agricultural Information You Need Fast

**199<sup>95</sup>** ■ 24-Hour Access to Worldwide Marketing News  
 ■ Local and State Weather Outlook and Alerts  
 ■ Timely, Complete Ag News ■ Electronic Mail

**AgriStar™. III** (C) A total agricultural information service which gives you "at a glance" access to the latest in agricultural marketing, finance, news, weather, general business and production information. Now any professional farmer, farm manager or agribusiness executive can easily have access to the ever-changing world of ag information. More importantly, AgriStar's information is updated constantly, much of it on a minute-by-minute basis. And you can use the "electronic mail" system to instantly communicate with other agribusiness people anywhere in the country.

**Decision-Making Tool.** AgriStar allows you to stay on top of the events which affect the way you do business. Use it to design your own personal information service. Keep up with the markets—cash, futures, and the financial and stock markets. Select from over 2000 experts for market analyses and recommendations.

**Easy to Use.** All you need is a Model III (or Model 4 in the Model III mode) and a telephone interface. You can talk to AgriStar in "plain English" and access any information or report you need with just a few simple keystrokes. AgriStar includes a user's manual with quarterly updates, a reference flip chart, a subscription to *Farm Futures* magazine, a newsletter and a toll-free 24-hour support service from AgriData Resources. (Price includes first six months of service—connect fees and information charges billed separately. After six months your basic service fee is only \$39 a month, with connect-time charges a low \$25 per hour and information charges averaging just 25 cents per report.) 26-2227 . . . . . 199.95

## Radio Shack's "Videotex Plus" Software for TRS-80 Model I, II, III, 4, 12 and 16 Computers

- "Auto Log-On" Gives Easy Access to Major Data Networks
- Advanced Features Reduce "On-Line" Time to Save You Money
- Save Data on Disk for Later Viewing and Hard-Copy Printouts

**Videotex Plus.** Now you have a powerful and sophisticated communications package for your TRS-80 disk system. Videotex Plus lets you communicate with any computer information service (with the same communications protocol as Videotex), such as CompuServe® and Dow Jones News/Retrieval®. It's simple to use, yet loaded with features to help you minimize connection time. There's even an option that lets you use the auto-dial feature found on many telephone modems, including our Auto-Answer, Auto-Dial D.C. Modem II (26-1173) and the high-speed DC-1200 Modem (76-1005). Videotex Plus also includes on-screen editing for tailoring the auto log-on sequence to your particular needs.

**Convenient Features.** The RAM buffer capabilities of Videotex Plus allow for saving information to disk for later viewing, editing or transmission. Reduce connection time by loading into memory what you want to transmit before you log on. Features function keys to define often-used commands, a printer control for hard-copy output to an optional printer, and a screen control for variable width screen displays.

**Versatile.** Videotex Plus is composed of three major modules: the primary communication program, a specialized program for use with "store and forward" information services, and a module that lets you create and edit log-on sequences and save them on diskette for later use with the special automatic log-on procedure.

**Model I/III Package.** I/III (A) Requires telephone interface. Includes one free hour on both CompuServe and Dow Jones. 26-1588 . . . . . 49.95

**Model II/12/16 Package.** Same as above. 26-4721 . . . . . 49.95

## CompuServe® and Dow Jones News/Retrieval®

**CompuServe Lets You Keep Up with the World.** Get "on-line" to this exciting information service—and get your first hour free! CompuServe offers you the latest in local, national and international news, weather and sports in special "electronic" editions of some of America's greatest newspapers, plus the Associated Press newswire. There's even an electronic version of *The World Book Encyclopedia*. Access historical information on 32,000 stocks, bonds and securities, take advantage of reference services, play exciting computer games, get information about TRS-80 computers, exchange messages nationwide by electronic mail, and get 16K of RAM workspace and 128K of disk storage for your own use. All this is available at CompuServe's low hourly rate (additional charges for some services).

**Keep on Top of Finance with Dow Jones.** You get a "direct line" to Wall Street—and the first hour is free! Dow Jones News/Retrieval gives you current market quotes (subject only to the mandatory 15-minute delay) on all stocks, bonds and options traded on the major exchanges—plus selected U.S. Treasury issues. There's also general and business news from *The Wall Street Journal*, *Barron's* and the Dow Jones News Service. And you'll have at your disposal a data base of detailed corporate financial information on more than 3200 companies, profiles and 10K extracts on over 6000 companies (supplied by Media General), an electronic encyclopedia, a text search service on over 125,000 business articles by category or keyword and complete historical market quotations with summaries.

## Low-Cost TRS-80 Videotex Packages

TRS-80 Videotex software allows access to major information data bases using your computer and an optional-extra telephone interface. Simply dial a phone number (usually local), press a few keys and the desired information will appear on your screen. Each package includes a TRS-80 Videotex software manual, CompuServe manual, ID number and password, and a Dow Jones manual and password. You also get one free hour on both the Dow Jones and CompuServe networks. After that, you'll be billed at their low hourly rates.

**TRS-80 Model I/III Package.** 26-2220 . . . . . 29.95

**TRS-80 Color Computer Package.** 26-2222 . . . . . 29.95

**Universal Sign-Up Kit.** No software included. Intended for use with your software or terminal. 26-2224 . . . . . 19.95

## New Low Price! TRS-80 Videotex Terminal

**299<sup>00</sup>** Was \$399.00  
 In Cat. RSC-9  
 As Low As \$27 Per Month  
 On CitiLine Credit

Turns your TV into a 2-way information system. Connects to any TV set and telephone outlet. Software is built-in. Includes one free hour on CompuServe and Dow Jones. 16K memory stores up to 32 "pages". U.L. listed. 26-5001 . . . . . 299.00



# TRS-80 DATA TERMINALS AND MODEMS

New Low Price!  
Portable Terminal

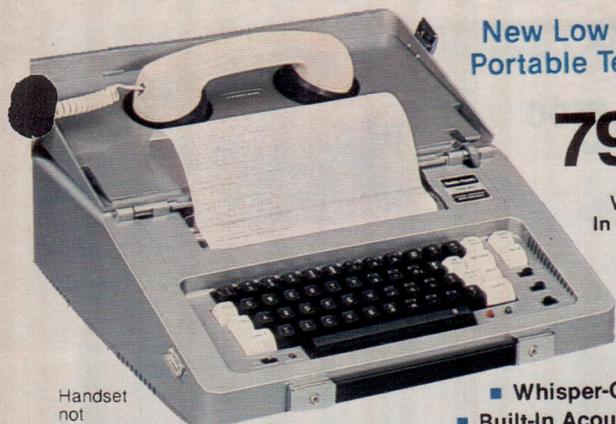
"No Compromise"  
Data Terminal

795<sup>00</sup>

Was \$995  
In Cat. RSC-9

699<sup>00</sup>

Keyboard  
Selectable  
Configurations  
— No DIP  
Switches



Handset  
not  
included

- Whisper-Quiet Printer
- Built-In Acoustic Coupler



- Memory Retains Configurations Even When Power is Off
- Full 80 x 24 Modifiable Video Display With Dual-Speed Cursor
- Typewriter-Style Keyboard With 12-Key Numeric Datapad

**PT-210 Portable Data Terminal.** Access your office computer and data networks anywhere you go! Just plug in the detachable AC line cord, dial a phone number and slip the telephone handset into the built-in acoustic coupler to send and receive data from almost any modem-equipped computer. Weighs only 15 pounds. U.L. listed. FCC registered. 76-1001 ..... 795.00

**RS-232C Interface Module.** Converts your PT-210 into a dumb terminal/printer that connects directly to your office computer (cable not included). 76-1002 ..... 69.95

**Thermal Paper.** 8 1/2" wide, 100-ft. roll. 76-1003 ..... 6 rolls/24.95

**Travel Case.** Padded vinyl, handy inside pockets. 76-1010 ... 24.95

**TRS-80 DT-1 Data Terminal.** Ideally suited for communications with advanced systems like our multi-user Model 16 or other host computers. It's totally code compatible with the TeleVideo® 910, Lear Siegler® ADM-5, ADDS 25 and Hazeltine® 1410 terminals. Protocol is retained even when power is off—and without battery back up! Special single-character symbols display control characters. A local monitor mode lets you enable printer ports and position the cursor using local control and escape modes. U.L. listed. 26-6050 ..... 699.00

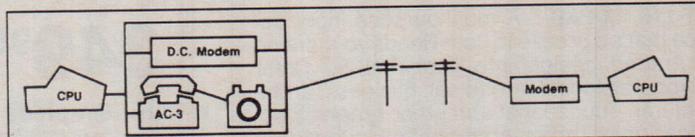
**SPECIFICATIONS. Communication Method:** Asynchronous, serial by bit and character. **Parity:** Odd, even, none. **Speed:** Switch selectable—110 and 300 baud. **Mode:** Full or half-duplex. **Compatibility:** Bell 103A. **Line Status:** On line/local. **Coupler Mode:** Originate only. **Keyboard:** Standard ASCII with 67 printable, upper case characters, 99 codes, 32 control characters. **Printer:** Non-impact thermal, 35-element (5x7) matrix, contrast adjustable, 50 cps. **Line Length:** 8" (80 cpi), 6 lines per inch. **Dimensions:** 5 x 15 1/2 x 14 1/2". **Power:** 120VAC, 60 Hz, 75 Watts

**SPECIFICATIONS. Data Transfer:** Ten keyboard selectable rates, 75, 110, 150, 300, 600, 1200, 2400, 4800, 9600, 19 200 baud. **Video Size/Format:** 24 lines of 80 characters, upper and lower case. **Cursors:** Four keyboard-selectable types: Steady or Blinking Block, Steady or Blinking Underline. **Video Attributes:** Normal, Reverse, Invisible, Blink, Underline and Half-Intensity Video. **Keyboard:** 70-key, including 12-key datapad. **I/O Ports:** One RS-232C communications port, one serial and one parallel printer port. **Dimensions:** 12 1/2 x 18 1/2 x 21 1/2". **Power:** 120VAC, 60 Hz, 30 Watts

## TRS-80 Data Communications Modems

All Radio Shack modems are compatible with any RS-232C-equipped TRS-80. Bell 103, 300 baud, full duplex, originate and answer. FCC registered. U.L. listed 120VAC power module.

- [A] **Acoustic Coupler AC-3.** Dial desired number and place handset on interface. Half duplex also. 2 3/8 x 4 3/4 x 10 1/4". 26-1174 ..... 149.95
- [B] **Direct-Connect Modem I.** Plugs directly into phone outlet. DB25 and 4-pin DIN connectors. 2 x 6 1/2 x 7 1/2". 26-1175 ..... 99.95
- [C] **Auto-Answer, Auto-Dial D.C. Modem II.** Fully programmable. Automatically dials and answers phone, receives and transmits data, hangs up phone. Remote and local test modes. Half duplex also. 2 x 6 1/2 x 7 1/2". 26-1173 ..... 199.95



**What is a Modem?** A modem ("modulator-demodulator") translates the electronic impulses that make up computer information into tones that can be sent over telephone lines. It likewise translates messages coming into your computer. Modems make it possible to access information services and to communicate with other computers.

## High-Speed 300/1200-Baud Modem Cuts Long-Distance Costs and Saves You Money!

699<sup>00</sup>

- Modular Plug Connects Directly to Phone Line
- Manual Originate and Automatic Answer
- Compatible With All TRS-80s With RS-232

**Direct-Connect Modem DC-1200.** Ideal for handling big transmissions. Quadruples the baud rate, reducing each phone bill to a fourth of what it otherwise would have cost. "Auto Answer" allows a host computer to call you, and if your computer is properly configured, you can begin receiving information automatically. The modem automatically adjusts to the incoming baud rate. To originate, you just set the baud rate to match the host or service, run your communication software package, and place the call. U.L. listed AC power module. FCC registered. 76-1005 ..... 699.00

**Auto-Dial Module for DC-1200.** 76-1009 ..... 149.95

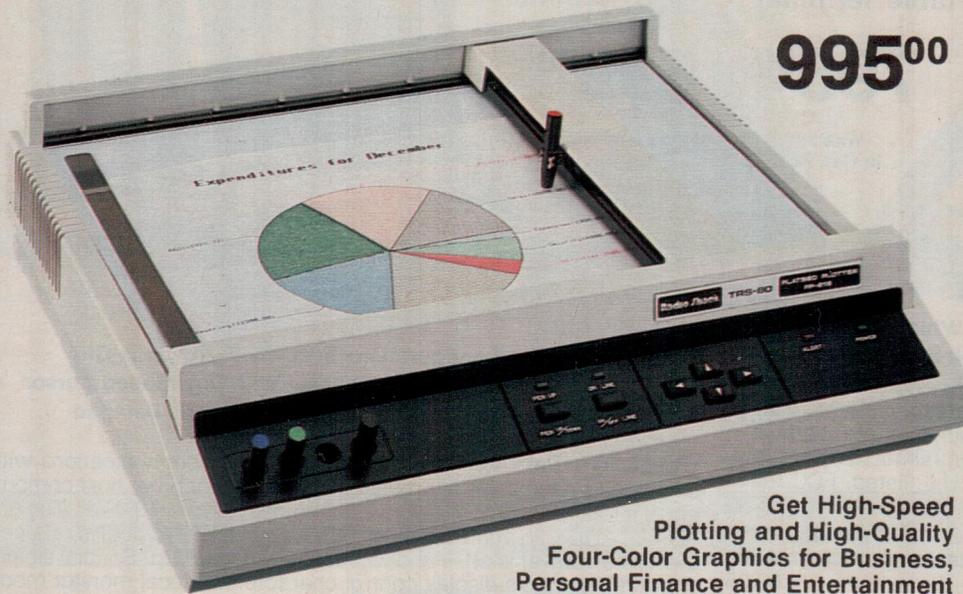
**Multi-Line Controller.** Connects modem to 5-phone office system. 43-233 ..... 39.95

**Duplex Jack.** Connects phone and modem to modular jack. 279-357 ..... 6.95

Use Modems only with Bell-compatible equipment. Direct-connect modems are not for multi-line use without optional-extra controller.

# SUPERB GRAPHICS PERIPHERALS

## Affordable Flatbed Color Plotter/Printer



**995<sup>00</sup>**

**Get High-Speed Plotting and High-Quality Four-Color Graphics for Business, Personal Finance and Entertainment**

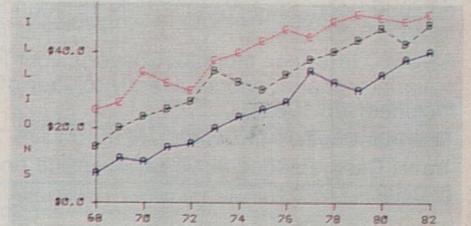
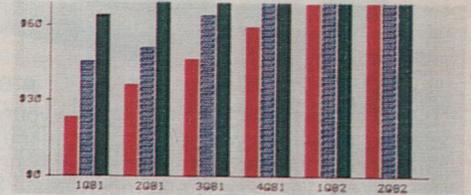
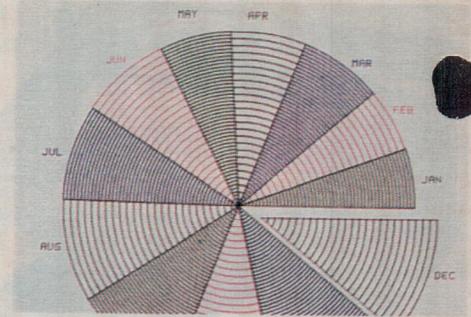
**FP-215.** Create incredible color graphics! It's easy to produce pie charts, tables, maps, bar graphs and more using simple BASIC ASCII command codes and parameters. Turn rows of numerical data into easy-to-understand graphics. Ideal for business information such as financial trends, production data and market forecasts. The FP-215 also prints both upper and lower case characters with the BASIC LPRINT and LLIST commands. You can print in a horizontal or vertical format under hardware or software control.

**Ready to Use.** Because the FP-215 has both parallel and serial interfaces, it is compatible with all our TRS-80 desktop computers. Front panel controls include on/off-line, pen up/

down and pen motion buttons and recessed pen storage wells. Performs single pen plotting, and pens can be changed easily to make multi-color plots. Red, blue, green and black pens included (replacements, at right). Features self-test and automatic print functions. U.L. listed. 26-1193 . . . . . 995.00

**SPECIFICATIONS.** Paper Size: 10<sup>1</sup>/<sub>8</sub> x 14<sup>5</sup>/<sub>16</sub>" or 8 x 11<sup>1</sup>/<sub>2</sub>". Plot Size: 7<sup>5</sup>/<sub>16</sub> x 10<sup>5</sup>/<sub>8</sub>" or 8<sup>1</sup>/<sub>2</sub> x 11<sup>3</sup>/<sub>4</sub>". Plot Speed: 100 mm per second (3<sup>15</sup>/<sub>16</sub> ips). Step Size: 1 mm. Dimensions: 4<sup>5</sup>/<sub>8</sub> x 16<sup>1</sup>/<sub>8</sub> x 14<sup>5</sup>/<sub>8</sub>". Weight: 22 pounds. Power Requirements: 105-135VAC, 60 Hz, 90 Watts.

**Clear Plastic Film.** Use with our Multi-Pen Plotter (26-1191) to make transparencies. Fifty 8<sup>1</sup>/<sub>2</sub> x 11" sheets. 26-1479 . . . . 13.95



Hard-Nib Pens for FP-215 (for paper)—\$3.95 each			
Color	Cat. No.	Color	Cat. No.
Black	26-1343	Green	26-1345
Red	26-1344	Blue	26-1346

Pens for Multi-Pen Plotter (26-1191)—\$3.95 each		
Color	For Paper	For Transparencies
Red	26-1460	26-1470
Blue	26-1461	26-1471
Green	26-1462	26-1472
Violet	26-1463	26-1473
Brown	26-1464	26-1474
Orange	26-1465	26-1475
Black	26-1466	26-1476

## TRS-80 Color Computer Graphics Input Tablet

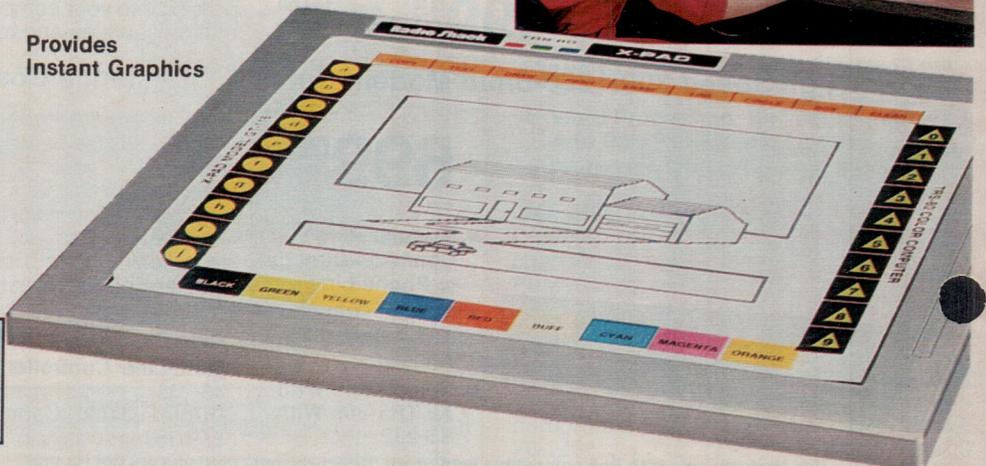
**GT-116 "X-PAD".** A multi-purpose input device that's a breeze to use! Reads your drawn or traced design into your TRS-80 Color Computer. Ideal for medical, business, architectural, educational and other graphics applications. Tablet contains all necessary electronics and is combined with a special passive surface for easy drawing—scaled to be directly compatible with display screen size. Comes with pen equipped with a pressurized leakproof standard ink cartridge that is easily changed or replaced with a stylus for tracing. Menus and other options simplify data input, so keyboarding is minimized. Compatible with machine language routines for high-speed drawing. Easily accessed by Extended BASIC graphics commands. Software included provides interactive menu for all drawing routines, plus user-defined menu functions. Plugs directly into Program Pak™ slot (Color Computer 2 requires Multi-Pak Interface). 25-1196 . . . . . 349.95

**SPECIFICATIONS.** Writing Area: 7 x 9"—scaled to be directly compatible with screen size. Menu Area: Active to full 8<sup>1</sup>/<sub>2</sub> x 11" size. Pad Size: 11 x 13". Power Requirements: Supplied by Color Computer.

**349<sup>95</sup>** As Low As \$28 Per Month On CitiLine Credit

- Input Graphics at the Touch of a Pen
- Compatible with Computer Graphics Capability
- Built-In Menu Area

Provides Instant Graphics



# COMPLETE LINE OF TRS-80 ACCESSORIES

## Dust Covers for Protection



Computers	Cat. No.	Price
Model 12/16	26-526	9.95
Model III/4	26-506	7.95
Color Computer	26-3006	4.95
MC-10	26-529	4.95
Color Computer 2	26-532	4.95

Peripherals	Cat. No.	Price
CCR-81 Recorder	26-517	4.95
Color Computer Multi-Pak Interface	26-528	5.95
External Disk Drives	26-502	2/5.95

Printers	Cat. No.	Price
DMP-100, LP VII	26-512	4.95
LP VIII	26-514	4.95
DMP-120, 200	26-522	5.95
DMP-400, LP VI	26-507	5.95
DMP-420	26-534	5.95
DMP-500, LP III, V	26-505	5.95
DMP-2100	26-525	5.95
Daisy Wheel II and Tractor	26-508	5.95
DWP-410	26-520	5.95
DWP-210	26-527	5.95
FP-215 Plotter	26-523	5.95
CGP-115	26-518	4.95
CGP-220	26-533	4.95
TP-10	26-531	4.95

## Stock Up on These High-Quality TRS-80 Computer Cassette Tapes

- Ideal for Program and Data Storage
- Certified Free of Drop Outs and Defects
- Reinforced Ends Won't Pull Loose
- Each Cassette Comes With a Hinged, Plastic Storage Box for Protection



**NEW! Deluxe C-20 Cassette Tape.** "Reel-to-reel" design in a clear shell. 26-308 .. 3.79  
**New Low Price! C-20 Cassette Tape.** Was \$3.79 in Cat. RSC-9. 26-301 ..... 2.79  
**C-10 Cassette Tape.** 26-302 ..... 1.79

Quantity	Deluxe C-20 (Ea.)	C-20 (Ea.)	C-10 (Ea.)
1-11	3.79	2.79	1.79
12-23	3.39	2.49	1.59
24-47	2.99	2.19	1.40
48-Up	2.69	1.99	1.25

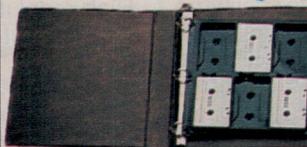
## Replacement Labels



- Color Coded
- Non-Smearing

Peel-and-stick labels identify programs and data on cassettes.  
 26-304 .... Pkg. of 60/1.95

## Cassette Storage



- A Data Binder.** 26-1310 ..... 5.95
- B Cassette Holder.** Stores 6 cassettes. 26-1311 .... Pkg. of 2/4.95

## Program Pak™ File



Flip-lid file box holds 16 Program Paks or cassette boxes. Was \$34.95 in Cat. RSC-9. 26-1314 ..... 29.95

## Anti-Static Spray



**Use on Equipment, Screen or Carpet**

Helps reduce and eliminate problem-causing static. Long lasting.  
 26-515 ..... 5.95

## Screen Cleaner



**Keeps Your Monitor Clean**

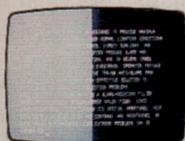
Helps prevent dirt and dust build up. Includes 50 pre-wet wipes and lint-free cloth.  
 26-1318 .. 6.95

## Keyboard Shield



Protects front edge of Model III keyboard. Molded polystyrene. Easy to attach.  
 26-1263 ..... 9.95

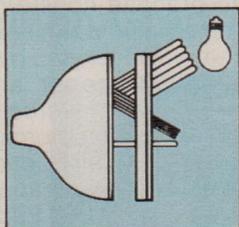
## Reduce Screen Glare and Improve Contrast



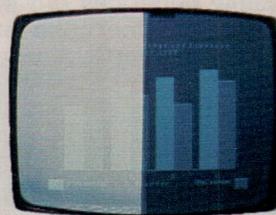
- Low-Cost Way to Cut Glare and Reflections
- You Can See the Difference
- Simple to Install

**Anti-Glare Mask.** Nylon mesh screen reduces surface reflections, cuts overhead glare and improves contrast—without loss of monitor resolution! Helps prevent eye strain and fatigue, too. Installs in seconds on Model I, II, III, 4, 12 and 16 computers.  
 26-511 ..... 16.95

## Our Deluxe Anti-Glare Panel Reduces Screen Reflections



- Special Optically-Coated Panel Reduces Glare by 94%
- Maximizes Contrast and Readability

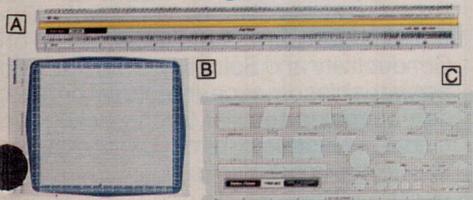


**Anti-Glare Panel.** Mirror-like reflection from the surface of computer display screens can cause eyestrain, fatigue and headaches. Our best anti-glare panel ends these problems. It cuts ambient light reflection without affecting resolution. Gives you a clear, sharp screen

image. Scratch resistant. Easy to clean. Self-adhesive mounting makes attachment quick and easy—no tools are needed.

**For Model I, II, III, 4 or 16.**  
 26-1457 ..... 39.95  
**For Model 12, 16B.** 26-1326 ..... 39.95

## TRS-80 Programming Aids



- A Printview Ruler.** 26-1313 ..... 3.50
- B Model I/III Graphics Worksheets.** 26-2105 ..... 100 Sheets/3.95
- C Flowchart Template.** 26-1312 .... 3.95

## Universal 5 1/4" and 8" Disk Drive Head Cleaning Kits

- Improves Operating Reliability
- Helps Prevent Read/Write Errors
- Works Safely in Just Seconds

**29.95** Complete Kit

The safe, easy way to clean dirty drive heads. Just apply special solution to cleaning diskette and run in drive for 30 seconds. Regular use helps prevent costly service calls. Each kit includes two cleaning diskettes, one 4 oz. bottle of cleaning solution and instructions.

- 5 1/4" Drive Kit.** 26-407 ..... 29.95
- 8" Drive Kit.** 26-4909 ..... 29.95



# TRS-80 9 1/2" DOT-MATRIX PRINTERS

Low-Cost, Multi-Use  
"Personal Printer"

**399<sup>00</sup>** As Low As \$28 Per Month  
On CitiLine Credit

- Bit-Image Mode for Superb Graphics
- Prints 50 Characters Per Second at 10 Characters Per Inch

**DMP-100.** Prints 80 upper/lower case 5 x 7 dot-matrix characters on an 8" line—50 characters per second at 10 characters per inch. Gives you high-density graphics print-outs (black and white) similar to that on the Color Computer screen. Features underline capability, 480-byte full-line dot buffer, selectable parallel and TRS-80 Color Computer-compatible serial interfaces (600/1200 baud) and adjustable tractor, 4 1/2 to 9 1/2". Uses up to 9 1/2" fanfold paper. With ribbon cassette. U.L. listed. 26-1253 . . . . . 399.00



Our Lowest-Priced  
Graphics, Too!

**SPECIFICATIONS.** Print Density: 5 or 10 characters per inch. Graphic Density: 60 x 63 dots per sq. in. Print Speed: 50 characters per second, 27 lines per minute. Character Set: 96 ASCII. Bit Image: 480 addressable 7-dot columns. Dimensions: 5 5/16 x 16 x 8 1/4". Weight: 8 1/2 lbs. Power: 120VAC, 60 Hz, 15W.

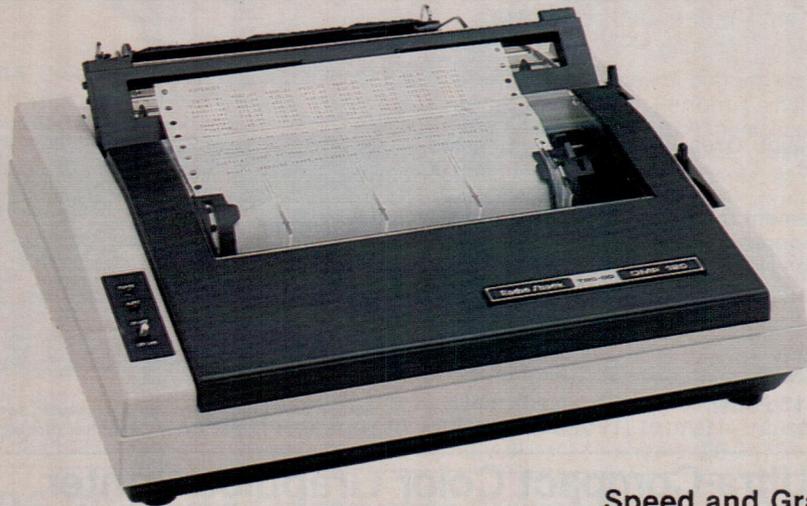
Affordable, High-Speed  
Dot-Matrix Printer

**NEW FOR '84** **499<sup>95</sup>**

As Low As \$30 Per Month on CitiLine Credit

- Prints 120 Characters Per Second
- Bi-Directional, Logic-Seeking Head
- Bit-Image Mode for Printing Graphics

**DMP-120.** Get a throughput speed faster than you thought possible from a printer priced this low! Ideal for data processing and general purpose use. Prints 80 upper and lower case 9 x 9 (9 x 8, plus underline) dot-matrix characters on an 8" line—51 lines per minute at 10 characters per inch. Features underline capability, and elongated and condensed modes. Bit-image mode allows impressive graphics, too! Parallel and Color Computer-compatible serial interfaces. U.L. listed. 26-1255 . . . . . 499.95



Speed and Graphics

**SPECIFICATIONS.** Print Density: 5, 10, 8.3 or 16.7 characters per inch. Graphic Density: 60 x 72 dots per sq. in. Print Speed: Standard 10 cpi—120 characters per second, 51 lines per minute. Character Set: 96 ASCII, plus international and block graphics characters. Line Feed: 1/8, 1/8, 1/12". Dimensions: 5 x 16 1/2 x 13 1/2". Weight: 16 lbs. Power: 120VAC, 60 Hz, 32W.

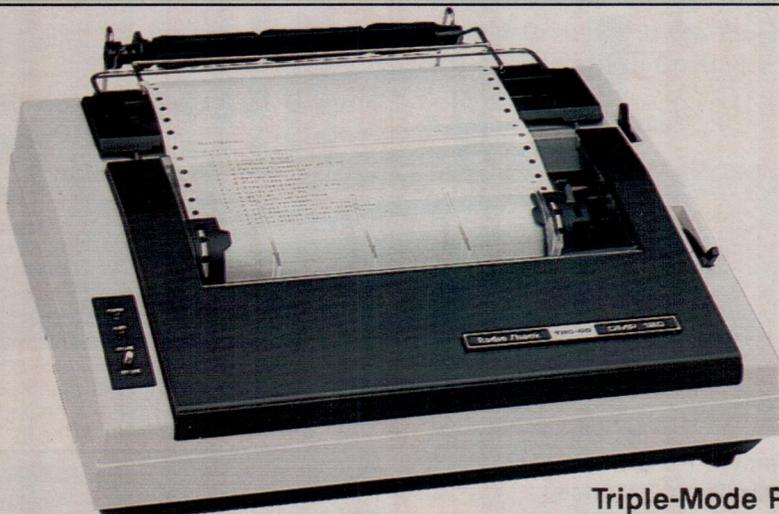
Top-Performance 9 1/2"  
Dot-Matrix Printer

**NEW LOW PRICE** **699<sup>00</sup>** Was \$799.00 in Cat. RSC-9

As Low As \$41 Per Month on CitiLine Credit

- Word Processing, Bit-Image Graphics And Data Processing Modes
- Prints 120 Characters Per Second

**DMP-200.** All the great features of the DMP-120 (above) plus a high-density "correspondence mode" for memos and letters. Prints 10, 12 or 16.7 characters per inch; lines per minute at 10 cpi. Mode and pitch switch or software selectable. Prints original, plus two copies. With bi-directional, logic-seeking head, and removable tractor and friction platen. Parallel and Color Computer-compatible serial interfaces. U.L. listed. 26-1254 . . . . . 699.00



Triple-Mode Punch!

**SPECIFICATIONS.** Print Speed: Standard 10 cpi—55 lpm/80 col. Correspondence 10 cpi—520 wpm. Horizontal Dot Resolution: 60-100 dots/inch, 480-800 dots/line. Character Set: 96 ASCII, 32 special and 30 graphics characters. Dimensions: 5 x 16 1/2 x 13 1/2". Weight: 16 1/2 lbs. Power: 120VAC, 60 Hz, 85W.

# TRS-80 15" DOT-MATRIX PRINTERS

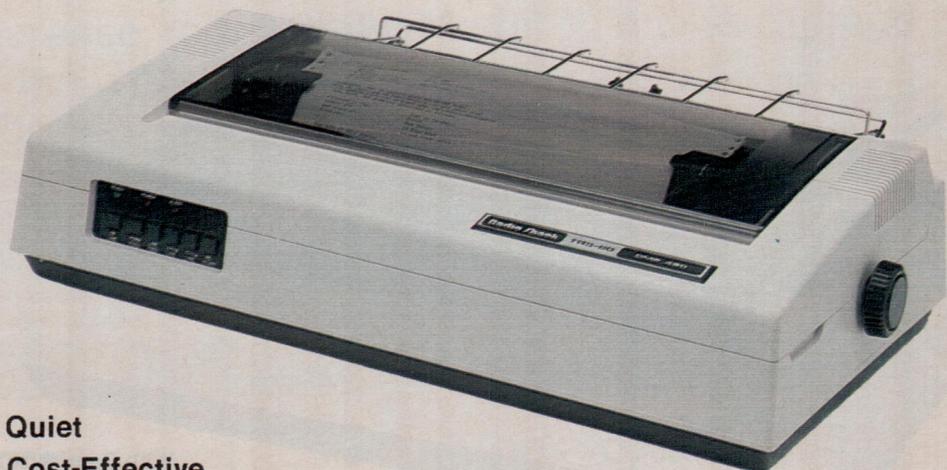
**Superb Business Printer  
At an Affordable Price**

**NEW  
FOR '84**

**999<sup>00</sup>**

- Full 132-Column Capacity at 10 CPI
- Prints 140 Characters Per Second
- Cover Design Reduces Printing Noise

**DMP-420.** Correspondence, data processing and bit-image graphics modes for many office applications. Prints 10, 12 or 16.7 characters per inch; 51 lines per minute at 10 cpi. Mode and pitch are switch or software selectable. Original, plus two copies. Adjustable tractor uses 4" to 15" fanfold paper. Friction platen for single-sheets. Selectable parallel and Color Computer-compatible serial interfaces (600/1200 baud). U.L. listed. 26-1267 ..... 999.00



**Quiet  
Cost-Effective**

**SPECIFICATIONS. Print Speed:** Standard 10 cpi—181 lpm/20 col., 126 lpm/40 col., 78 lpm/80 col., 51 lpm/132 col. Correspondence 10 cpi—705 wpm. **Character Set:** 96 ASCII, 32 special and 30 block graphics characters. **Pin Wire Diameter:** 0.30mm. **Horizontal Dot Reso-**

**lution:** 60-100 dots/inch, 792-1320 dots/line. **Line Feed:** Forward, reverse; 1/6, 1/8, 1/72, 1/216". **Buffer:** 2K RAM. **Dimensions:** 6<sup>3</sup>/<sub>8</sub> x 24<sup>1</sup>/<sub>8</sub> x 13<sup>3</sup>/<sub>8</sub>". **Weight:** 16<sup>1</sup>/<sub>2</sub> lbs. **Power:** 120VAC, 60 Hz, 85W.

**High-Speed Printer for  
Heavy Business Use**

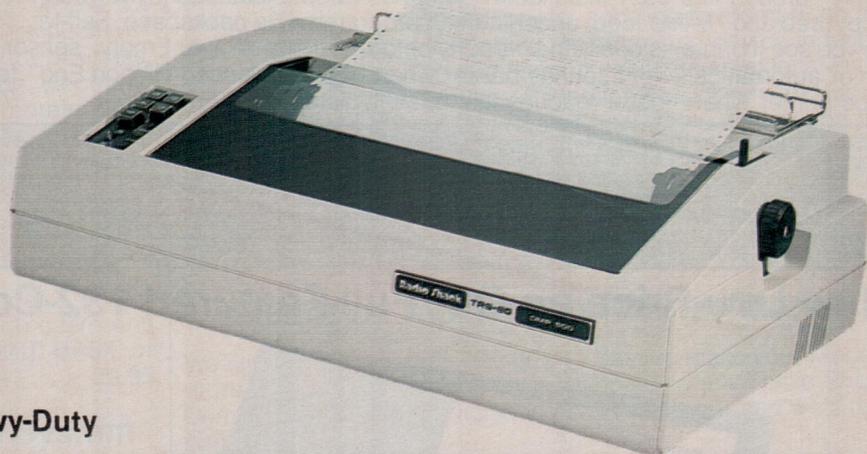
**NEW  
LOW  
PRICE**

**1295<sup>00</sup>**

**Was  
\$1795.00 in  
Cat. RSC-9**

- Prints 220 Characters Per Second and 76 Lines Per Minute at 132 Columns
- Prints Original, Plus Three Copies

**DMP-500.** Bi-directional, logic-seeking head gives you speedy and efficient throughput. Word processing, bit-image graphics and data processing modes. Prints 1043 words per minute in word processing mode, with backspacing, bold face, underline, super and subscripts. Mode and pitch are switch or software selectable. 4" to 15" adjustable tractor, friction platen. Parallel interface. U.L. listed. 26-1252 ..... 1295.00



**Fast  
Heavy-Duty**

**SPECIFICATIONS. Print Density:** 10, 12 or 16.7 cpi in 9x9, 15x9 or n x 9 (n=1-23) dot matrix. **Character Set:** 96 ASCII, 32 special and 30 graphics characters. **Pin Wire Diameter:** 0.30mm. **Horizontal Dot Resolu-**

**tion:** 60-100 dots/inch, 792-1320 dots/line. **Line Feed:** 1/6, 1/8, 1/72, 1/216". **Dimensions:** 7<sup>11</sup>/<sub>16</sub> x 24<sup>5</sup>/<sub>8</sub> x 15<sup>7</sup>/<sub>8</sub>". **Weight:** 50 lbs. **Power:** 120VAC, 60 Hz, 180W.

**Deluxe Letter-Quality  
Dot-Matrix Printer**

**1995<sup>00</sup>**

- State-of-the-Art 24-Wire Print Head
- Print Quality in Word Processing Mode Rivals Daisy Wheel Printers

**DMP-2100.** High-speed for data processing, a single-pass word processing mode and high-resolution for dot-addressable graphics. Prints 160 cps in DP mode; 100 cps in WP mode. 24-wire head delivers 32,400 dots/square inch—over four times the finest resolution of our other dot-matrix printers! Change pitch and font within text without having to stop and change a printwheel. U.L. listed. 26-1256 ..... 1995.00

**Bi-Directional Tractor.** 26-1441 ..... 169.95

**Our Finest**



**Sheet  
Feeder**

**995<sup>00</sup>**



Printer not included

Automatic paper insertion and stacking. Snaps on and off. 26-1440 .. 995.00

**SPECIFICATIONS. Print Speed:** Standard 10 cpi—60 lpm/132 col. Correspondence 10 cpi—774 wpm. **Character Set:** 96 ASCII, 31 international and 31 graphics. **Print Density:** 10, 12, 16.7 cpi, proportional-spaced and elongated. **Horizontal Dot Resolution:** 180 dots/inch, 2448 dots/line. **Dimensions:** 5<sup>7</sup>/<sub>8</sub> x 21<sup>11</sup>/<sub>16</sub> x 15". **Weight:** 42 lbs. **Power:** 120VAC, 60 Hz.

**SAMPLE Correspondence Mode  
ABCDEF ghijklm 1234 "\$&%**

# LETTER-QUALITY TRS-80 PRINTERS

## Introducing a Low-Cost Daisy Wheel Printer



With Courier 10 Print Wheel and Carbon Ribbon

**DWP-210.** Now you can have full-featured letter-perfect printing at an incredibly affordable price! Select 10 or 12 characters per inch, or proportional pitch. Print wheels simply "drop-in" for easy installation! Prints at 18 cps. Includes forward and reverse paper feed and 1/2-line feed, underline and programmable backspace. Self-test facility lets you see if printer is operating properly before starting. "Paper Empty" sensor stops printer automatically and sounds buzzer when paper runs out. "Ribbon End" feature stops printer when ribbon reaches its end. U.L. listed. 26-1257 . . . . . 799.00

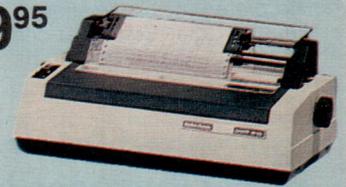
**SPECIFICATIONS.** Print Density: 11 1/2" line. Switch selectable 10 cpi (115 characters per line), 12 cpi (138 cpl), or proportional spacing. Print Speed: 18 cps nominal (over 200 wpm). Carriage Motion: Bi-directional, optimal motion seeking. Minimum horizontal increment 1/120". Minimum vertical increment 1/48". 1000 ms slew rate. Character Set: 100 (modified ASCII, plus special international), 18 control codes. Paper: Up to 13" wide. Original, plus 2 copies. Friction feed. Ribbon: Multi-strike carbon or nylon cartridge. Interface: Color Computer-compatible serial (600/1200 baud) and standard 8-bit data parallel, 36-pin Amphenol connector. Dimensions: 6 5/16 x 20 x 13 1/16". Weight: 38 lbs. Power: 120VAC, 60 Hz, 80 Watts.

**NEW FOR '84** **799<sup>00</sup>** As Low As \$45 Per Month on Citiline Credit

- Prints Over 200 Words Per Minute
- Clean, Sharp Characters for That "Electric Typewriter Look"
- Interchangeable 100-Character Print Wheels for a Variety of Styles
- Ideal for Use With SCRIPSIT and SuperSCRIPSIT

### Bi-Directional Tractor

**149<sup>95</sup>**



Printer not included

Ideal for Data Processing

Snap-on bi-directional tractor feed makes your printer more efficient. Use fanfold paper, pin-fed labels and pre-printed multi-part forms. Adjusts to 13" 26-1443 . . . . . 149.95

## New Low Price on Our Full-Featured 132-Column Daisy Wheel Printer



Includes Courier 10 Print Wheel and Carbon Ribbon

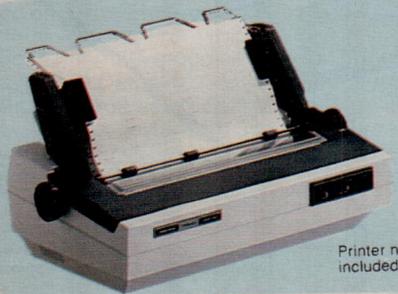
Was \$1495.00 In Cat. RSC-9 **1295<sup>00</sup>**

- Prints Over 300 Words Per Minute
- Ideal for Use With SCRIPSIT or SuperSCRIPSIT Word Processing
- Interchangeable 124-Character Print Wheels
- Selectable Print Density

**DWP-410.** Produce hundreds of copies, each with the "professional look" of electric typewriter quality. Select 10 or 12 characters per inch, or proportional pitch. Prints at 25 cps or more. Features forward and reverse paper feed and 1/2-line feed, underline, boldface and programmable backspace. Automatic Paper Set makes paper insertion a snap. "External Program Mode" lets you use print wheels with different pitch or special characters. U.L. listed. 26-1250 . . . . . 1295.00

### DWP-410 Bi-Directional Tractor

**239<sup>95</sup>** ■ Easy On—Easy Off  
 ■ Adjustable to 15"



Printer not included

Bi-directional tractor feeds fanfold paper automatically. Keeps pin-fed labels and forms in perfect alignment. Attaches quickly for easy installation and removal. 26-1459 . . . 239.95

**SPECIFICATIONS.** Print Density: 13.6" line. Switch selectable 10 cpi (136 characters per line), 12 cpi (163 cpl), or proportional spacing. Print Speed: 25 cps nominal; 11.7 lpm at 10 cpi, 132-column (Over 300 wpm). Carriage Motion: Unidirectional, optimal motion seeking. 1000 ms slew rate. Character Set: 124 (96 ASCII, plus special and international), 23 control codes. Paper: Up to 16" wide. Original, plus 5 copies. Friction feed. Ribbon: Multi-strike carbon or nylon cartridge. Interface: Standard 8-bit data parallel; 36-pin Amphenol connector. Dimensions: 7 3/4 x 23 3/4 x 13". Weight: 35 lbs. Power: 120VAC, 60 Hz, 141 Watts.

# TOP-OF-THE-LINE DAISY WHEEL PRINTER

Our Best High-Speed,  
Formed-Character Printer

**1995<sup>00</sup>**

- Prints Over 500 Words Per Minute
- Easily Interchangeable 124-Character Print Wheels for Any Printing Need
- The Perfect Printer for All Your Professional Word Processing Needs

**Daisy Wheel II.** Switch selectable print densities—10 or 12 cpi or proportional spacing. Prints at an average of 43 characters per second. Features forward and reverse paper feed and 1/2-line feed, underline, boldface and back-space. "External Program Mode" allows use of wheels with different pitch or special characters. Friction-feed adjusts for up to five carbons. 15-inch platen. U.L. listed.  
26-1158 ..... 1995.00

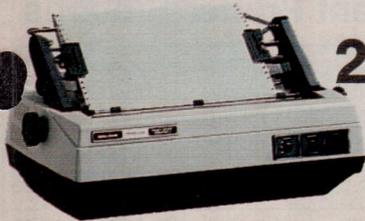


Includes Courier 10  
Print Wheel and  
Carbon Ribbon

Daisy Wheel II is Supported  
With a Complete Selection  
of Versatile Accessories

**SPECIFICATIONS.** Print Density: 13.6" line. Switch selectable 10 cpi (136 cpl), 12 cpi (163 cpl), or proportional spacing. Print Speed: 43 cps nominal; 19.5 lpm at 10 cpi, 132-col. (Over 500 wpm). Carriage Motion: Unidirectional, optimal motion seeking. 300 ms slew rate. Character Set: 124 (96 ASCII, plus special and international), 21 control codes. Paper: Up to 16" wide. Original, plus 5 copies. Friction feed. Ribbon: Multi-strike carbon cartridge or nylon cartridge. Interface: Standard 8-bit data parallel; 36-pin Amphenol connector. Dimensions: 8 x 24 1/2 x 15 1/2". Weight: 28 lbs. Power: 120VAC, 60 Hz, 141 Watts.

## Bi-Directional Tractor Feed

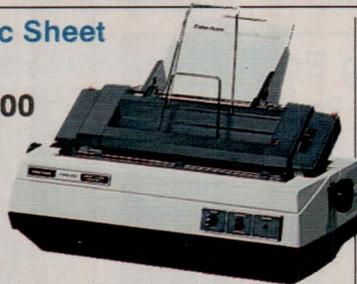


**289<sup>95</sup>**

Printer  
not  
included

Keeps pin-fed labels, preprinted and multi-part forms in perfect alignment. Quick, easy installation. Adjusts to 15".  
26-1447 ..... 289.95

## Automatic Sheet Feeder



**1495<sup>00</sup>**

Printer  
not  
included

Holds up to 200 sheets. Microprocessor-control gives proper alignment every time. Requires installation (not included).  
26-1448 ..... 1495.00

## Automatic Envelope Feeder



**1195<sup>00</sup>**

Printer not  
included

Automatically feeds envelopes into aligned typing position at up to 1200 per hour. Sizes 6 to 10. Requires installation (not included).  
26-1260 ..... 1195.00

## Select Interchangeable Long-Life Print Wheels

Give your letters and reports variety and impact. DW II and DWP-410 print wheels have 124 characters, and can make up to 40 million impressions.

Fig.	Print Wheel	DWP-410	DW II	Price
A	Courier, 10 Pitch	26-1430	26-1420	29.95
B	Prestige Elite, 12 Pitch	26-1431	26-1421	29.95
C	Madeleine PS	26-1432	26-1422	29.95
D	Cubic PS	26-1433	26-1425	29.95
E	Tile Italic, 10/12 Pitch	26-1434	26-1426	29.95
F	OCR B, 10 Pitch*	26-1435	26-1484	39.95
G	Letter Gothic, 12 Pitch	26-1436	26-1485	39.95
H	Cubic 15+	26-1438	26-1487	39.95
I	Bold PS	26-1439	26-1488	39.95

External Program Mode: +Required \* Suggested

These specially-designed 100-character print wheels for our new DWP-210 can make up to 10 million impressions.

Fig.	Print Wheel	Cat. No.	Price
A	Courier 10	26-1467	9.95
B	Prestige Elite 12	26-1468	9.95
J	Venezia PS	26-1469	9.95

## A Wide Variety Of Printing Fonts Available

- Ⓐ ABCDEFGHIJKLMNOPabcdefghijklmnopqrs!%.(){}\*+==,;:
- Ⓑ ABCDEFGHIJKLMNOPQabcdefghijklmnopqrstuv!%.(){}\*+==,;:\<
- Ⓒ ABCDEFGHIJKLMNOPabcdefghijklmnopqrstuvw!%.(){}\*+==,;:\<>?\_
- Ⓓ ABCDEFGHIJKLMNOPabcdefghijklmnopqrstuvwxyz!%.(){}\*+==,;:/
- Ⓔ ABCDEFGHIJKLMNOPabcdefghijklmnopqrs!%.(){}\*+==,;:
- Ⓕ ABCDEFGHIJKLMNOPabcdefghijklmnopqrs!%.(){}\*+==,;:
- Ⓖ ABCDEFGHIJKLMNOPQabcdefghijklmnopqrstuvw!%.(){}\*+==,;:\
- Ⓗ ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz!%.(){}\*+==,;:\<>? ¶
- Ⓘ ABCDEFGHIJKLMNOPabcdefghijklmnopqrstuvw!%.(){}\*+==,;:\<>?\_ ¶
- Ⓢ ABCDEFGHIJKLMNOPabcdefghijklmnopqrstuvw!"#\$%&'()\*+,-./0123

# PRINTER ACCESSORIES AND SUPPLIES

## Printer Controller Adds Efficiency



**NEW FOR '84**

**249<sup>95</sup>**

- Frees Your Computer During Printing
- Assumes Control of All Printing Operations
- 62K RAM Buffer for Text Storage

**PTC-64 Printer Controller.** Now you can print one job while working on another! Our new PTC-64 "print buffer" accepts and stores information from your computer at top speed and feeds it to your printer as fast as the printer can handle it. This means excellent throughput and no downtime because your computer's memory, processing power and disk drives are free for other tasks. The compact PTC-64 features a Z-80A microprocessor, a clear memory function, a pause function and a copy function for printing up to 10 consecutive originals. There are even 16 redefinable special characters, as well as unique programmable functions that will give you the option of downloading an alternate operating system to generate a new ASCII character set, graphics data and more. Activate functions from the panel keys or through software. Standard parallel printer interface. U.L. listed AC power module. 26-1269 . . . . . 249.95

## Daisy Wheel Printer Accessories

### Reduce Printer Noise



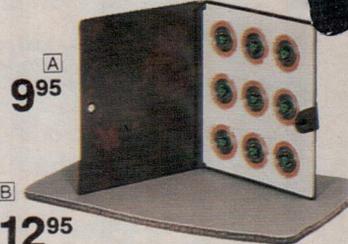
**399<sup>00</sup>**

Improves Office Efficiency

### Daisy Wheel Acoustic Cover.

For DW II (with or without tractor), DWP-410 and DWP-210 (without tractors). Not for use with sheet or envelope feeders. 14 x 28 x 21 1/2". U.L. listed. 26-1455 . . . . . 399.00

### Binder and Pad



**9<sup>95</sup>**

**12<sup>95</sup>**

**A Printwheel Binder.** Protects up to nine printwheels from loss or damage. 73-2004 . . . . . 9.95

**B Printer Pad.** Non-skid sponge rubber protects furniture. 1/2" thick. 73-2001 . . . . . 12.95

## Daisy Wheel Printwheel Cleaning Kit



**16<sup>95</sup>**

Keep your daisy wheel printer "making a good impression". Kit lets you safely clean clogged, recessed type areas. Easy to use and won't make a mess. For DW II, DWP-410 and DWP-210 printers. 26-1320 . . . . . 16.95

### Refill Fluid and Pad.

26-1322 . . . . . 5.95

## Efficient Forms-Handling Equipment

### Forms Decollator

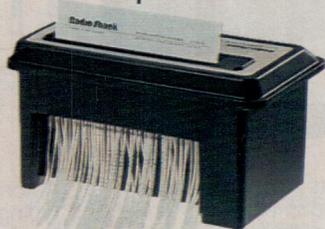


**249<sup>95</sup>**

Separates And Refolds Multi-Part Paper

Manual decollator that's faster and more reliable than most motor-driven models! Decollates up to 350 ft./min. Removable bobbin collects carbon. Includes attachment for carbonless forms. Handles paper up to 16 1/2" wide. 73-1003 . . . . . 249.95

### Paper Shredder



**249<sup>95</sup>**

**ES-1 Paper Shredder.** Cuts up to five sheets of 8 1/2 x 11" paper into 3mm-wide strips. U.L. listed. 73-1001 . . . 249.95

**Shredder Basket.** 73-1002 . . . 29.95



## TRS-80 Replacement Printer Ribbons

Radio Shack Printer	Ribbon	Character Life	Catalog No.	Qty./Price
LP I, II, IV	Fabric Ribbon Pack	1 million	26-1413	3/15.95
LP III, V	Fabric Ribbon Cart.	2 million	26-1414	11.95
LP VI, VIII, DMP-400, 420	Fabric Ribbon Cart.	1 million	26-1418	11.95
LP VII, DMP-100	Re-inking Fabric	1 million	26-1424	8.95
DMP-120, 200	Fabric Cart.	4 million	26-1483	15.95
DMP-120, 200, 500	Refill Pack	4 million	26-1489	3/15.95
DMP-500	Fabric Cart.	4 million	26-1482	12.95
DMP-2100	Fabric Cart.	2 million	26-1442	13.95
DW II, DWP-410	Carbon Film Cart. Multi-strike	250,000	26-1419	3/21.00
DW II, DWP-410	Nylon Ribbon Cart.	1 million	26-1449	10.95
DWP-210	Carbon Film Cart. Multi-strike	250,000	26-1445	3/17.95
DWP-210	Fabric Cart.	1 million	26-1458	8.95

## Roll Paper for TRS-80 Printers

Printer	Paper	Cat. No.	Qty./Price
CGP-115	4 1/2" x 150'	26-1428	3/4.95
CGP-220	8 1/2" x 75'	26-1333	3/9.95
TP-10	Thermal 4 1/8" x 80'	26-1332	2/3.95
PT-210 Terminal	Thermal 8 1/2" x 100'	76-1003	6/24.95
PC-1	1 3/4" x 18'	26-3506	6/1.75
PC-2	2 1/4" x 30'	26-3606	6/2.49
PC-3	Thermal 2 1/4" x 7'	26-3592	5/2.49
PC-4	Thermal 1 1/2" x 8 1/2'	65-711	5/2.19
LP I, II, IV, VIII, DMP-200	8 1/2" x 500'	26-1402	2/19.95
Plotter/Printer (26-1190)	9" x 90', 8 1/2" pin-to-pin	26-1407	4.95
Quick Printer (26-1153)	Electrostatic 4 3/4" x 130'	26-1405	3/16.95
Quick Printer II (26-1155)	Electrostatic 2 3/8" x 75'	26-1412	2/3.95

## Mobile "Paper Caddy"

**79<sup>95</sup>**



Computer Paper Dolly And Printer Forms Rack

Wheel paper to wherever you need it. Place blank forms on lower shelf; upper shelf catches printed output. Special paper guides assure correct refolding and smooth stacking of printout. 24 1/2 x 18 x 14 1/2". 74-551 . . . 79.95

## Hanging Binders



**NEW FOR '84**

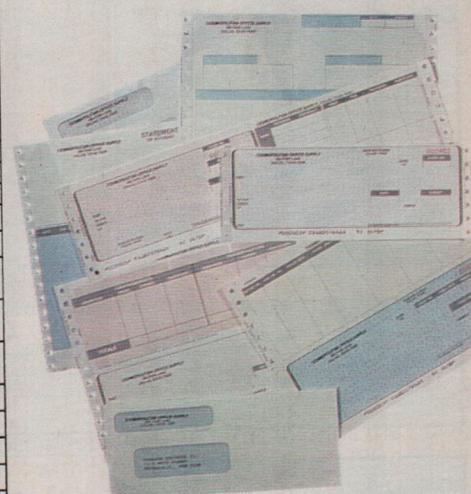
Organize Your Workstation and Protect Printouts

Convenient hanging data binders for storing and protecting your printouts and other data. Plastic-coated pressboard with steel wire posts.

14 7/8 x 11". 26-1339 . . . 2/7.95  
9 1/2 x 11". 26-1340 . . . 2/7.95

# CUSTOM FORMS AND PRINTER PAPER

Custom Imprinted Forms and Checks									
Form Name	Cross Reference			No. of Parts	Color	Cat. No.	Quantity/Prices		
	TRS-80 Mod. No.	Software Cat. No.	Envelope Cat. No.				500	1,000	2,000
Accounts Receivable Statement	I & III/4	26-1555	72-114 72-214 72-250	1	Blue	72-116	65.00	120.00	220.00
				2	Blue	72-117	100.00	180.00	340.00
				3	Blue	72-118	130.00	230.00	435.00
Accounts Payable Check	I & III/4	26-1554	72-249	1	Blue	72-124	55.00	100.00	195.00
				2	Blue	72-125	100.00	180.00	340.00
	II & 12	26-4505	3	Blue	72-126	120.00	215.00	415.00	
Accounts Payable Check (3 Disk)	II & 12 (3 Disk)	26-4605	72-145 72-245 72-246	1	Blue	72-141	45.00	80.00	155.00
				3	Blue	72-142	110.00	200.00	375.00
General Purpose Form	I & III/4	26-1568	72-206	1	Blue	72-119	55.00	100.00	195.00
				3	Blue	72-120	110.00	200.00	375.00
	II & 12	26-4508 26-4504 26-4514 26-4602 26-4802	5	Blue	72-136	160.00	290.00	545.00	
			16	26-6302	3	Blue	72-151	140.00	250.00
Invoice	II & 12 (3 Disk)	26-4607	72-135 72-235 72-234	5	Blue	72-152	205.00	370.00	700.00
				1	Blue	72-153	45.00	80.00	155.00
Multi-Purpose Check	III/4	26-1584	72-145 72-245 72-246	2	Blue	72-154	60.00	110.00	210.00
				1	Blue	72-158	55.00	100.00	195.00
Multi-Purpose Check w/Stub	III/4	26-1585	72-145 72-245 72-246	2	Blue	72-159	100.00	180.00	340.00
				3	Blue	72-160	120.00	215.00	415.00
				1	Brown	72-105	55.00	100.00	195.00
Payroll Check	I & III/4	26-1504 26-1556	72-247	2	Brown	72-106	100.00	180.00	340.00
				1	Brown	72-137	60.00	110.00	210.00
Payroll Check	II & 12	26-4503	72-248	2	Brown	72-138	90.00	165.00	310.00
				1	Brown	72-143	45.00	80.00	155.00
Payroll Check	II & 12 (3 Disk)	26-4603	72-145 72-245 72-246	2	Brown	72-144	85.00	150.00	285.00
				16	26-6203	1	Blue	72-129	55.00
Statement Of Account	II & 12 (3 Disk)	26-4604	72-135 72-235 72-234	3	Blue	72-130	110.00	200.00	375.00



## Five Great Benefits of Radio Shack Custom Forms

**System Support.** Radio Shack provides properly-designed output forms to enable the TRS-80 user to complete a total business computer system, including hardware, software and custom forms.

**Proper Design.** Our forms are specially designed for use with your TRS-80 software, so you can be sure of compatibility.

**Economy.** Radio Shack forms are produced in large quantities and sold in small quantities (as few as 500 units), so the tremendous savings are passed on to you.

**Quality.** All forms are attractively designed and produced to highest printing standards, assuring a positive, "quality" image for your organization.

**Convenience.** We provide single-source support for the entire TRS-80 business computer system, as well as prompt delivery and resupply. Visit your nearest Radio Shack Computer Center today to place your order!

Imprinted Envelopes							
Form Cross Reference	Inside Tint	No. of Windows	Envelope Size	Catalog No.	Quantity/Prices		
					500	1,000	2,000
Accounts Receivable Stmt.	No	1	#6 3/4	72-114	55.00	100.00	195.00
Statement of Account	No	1	#10	72-135	55.00	100.00	195.00
Payroll Check (26-4603), Accts. Payable (26-4605) & Multi-Purpose Checks	Yes	1	8 5/8	72-145	55.00	100.00	195.00

Blank Envelopes						
Form Cross Reference	Size	No. of Windows	Inside Tint	Qty. Per Carton	Catalog Number	Price
Accounts Receivable Statement	3 5/8 x 6 1/2	2	No	1,000	72-250	45.00
	3 5/8 x 6 1/2	1	No	1,000	72-214	35.00
Accounts Payable Check (26-1554/4505)	3 5/8 x 7 3/4	2	Yes	1,000	72-249	55.00
General Purpose Form (Both)	3 7/8 x 8 7/8	2	No	1,000	72-206	45.00
Payroll Check for Mod I/III	3 5/8 x 7 3/4	2	Yes	1,000	72-247	55.00
Payroll Check for Mod II/12	3 7/8 x 7 1/2	2	Yes	1,000	72-248	50.00
Statement of Account and Invoice	4 1/8 x 9 1/2	2	No	1,000	72-234	45.00
	4 1/8 x 9 1/2	1	No	1,000	72-235	40.00
Accounts Payable (3 Disk), Payroll (3-disk), and Multi-Purpose Checks	3 5/8 x 8 5/8	1	Yes	1,000	72-245	40.00
	3 5/8 x 8 5/8	2	Yes	1,000	72-246	50.00

## Stock Fanfold Printer Paper

Feed paper directly into the printer from the reusable cartons. Letter-size sheets (9 1/2 x 11" and 12 x 8 1/2") have "invisible" detachable, perforated margins. Single-part sheets are high-quality, 15-pound bond unless a heavier weight is specified. No ground wood or recycled paper. Multi-part sets are clean, carbonless, no-mess paper.



Fanfold Printer Paper							
Size	Parts	Design	Vertical Perforation	Quantity	Box	Cat. No.	Price
14 7/8 x 11"	1	Greenbar	No	500 sheets	Mini-Pak	26-1330	9.95
14 7/8 x 11"	1	Greenbar	No	1500 sheets	Tote	72-300	34.95
14 7/8 x 11"	1	Greenbar	No	3500 sheets	Carton	26-1417	59.95
14 7/8 x 11"	2	Greenbar	No	750 sets	Tote	72-301	49.95
14 7/8 x 11"	3	Greenbar	No	500 sets	Tote	72-302	49.95
14 7/8 x 11"	3	Blank White	No	1500 sheets	Tote	72-303	34.95
9 1/2 x 11"	1	Greenbar	Yes	1500 sheets	Tote	72-304	24.95
9 1/2 x 11"	1	Greenbar	Yes	3500 sheets	Carton	26-1403	39.95
9 1/2 x 11"	1	Blank White	Yes	500 sheets	Mini-Pak	26-1423	8.95
9 1/2 x 11"	1	Blank 20#	Yes	1250 sheets	Tote	26-1427	24.95
9 1/2 x 11"	1	Blank 20#	Yes	2500 sheets	Carton	72-311	44.95
9 1/2 x 11"	2	Blank White	Yes	750 sets	Tote	72-305	34.95
9 1/2 x 11"	3	Blank White	Yes	500 sets	Tote	72-306	39.95
12 x 8 1/2"	1	Blank 18#	Yes	1250 sheets	Tote	72-307	24.95

## Fanfold Mailing Labels

- Complete Your System With Output Labels
- Wide Selection To Choose From



Top-quality labels. All are white.

- NEW! 1-Wide.** 4 1/4" carrier. Pressure-sensitive. Pkg./1000. 26-1328 ..... 6.95
- 2-Wide.** 9 1/2" carrier. Pressure-sensitive. Pkg./2000. 72-401 ..... 15.95
- 3-Wide.** 9 1/2" carrier. Pressure-sensitive. Pkg./3000. 72-400 ..... 16.95
- 2-Wide.** 9 1/2" carrier. Dry gum. Pkg./2400. 26-1456 ..... 9.95

# TRS-80® CABLES AND ACCESSORIES

We support the TRS-80 with a complete selection of user-proven cables for almost any application. That makes it easy to choose the right cable for your computer system so you're assured of outstanding performance.

- Quality Engineered to Perform to Highest Standards
- Add Maximum Flexibility And Convenience

## Standard Parallel Printer Cables

Fig.	Use With	Description	Cat. No.	Each
A	Model I/III/4	34-pin edge card to 36-pin plug, 6'	26-1401	39.00
B	Model II/12/16/16B	34-pin header to 36-pin plug, 6'	26-4401	39.00
C	Model II/12/16/16B	34-pin header to 36-pin plug, 12'	26-1323	44.95

## Cassette Recorder Cable

Fig.	Use With	Description	Cat. No.	Each
D	Computers with cassette port	5-pin DIN to Audio (3 plugs)	26-1207	5.95

## Color Computer/MC-10 Interface Cables

Fig.	Function	Description	Cat. No.	Each
E	To serial printers and modems	4-pin DIN to 4-pin DIN	26-3020	4.95
F	To Quick Printer II and Model I special serial interface	5-pin DIN to 4-pin DIN	26-3009	4.95
G	To RS-232 ports	4-pin DIN to DB25	26-3014	19.95

## Model 100 Interface Cables

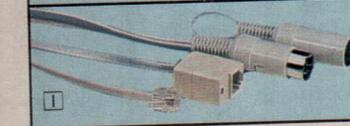
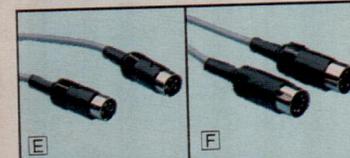
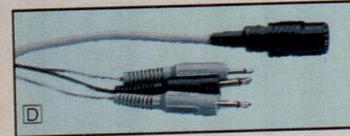
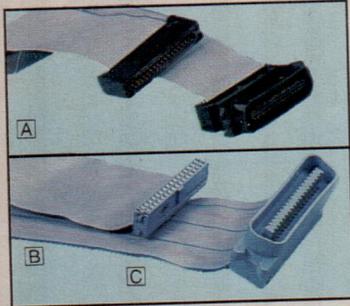
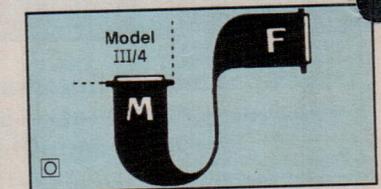
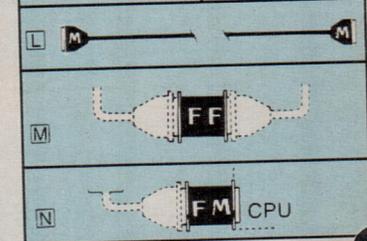
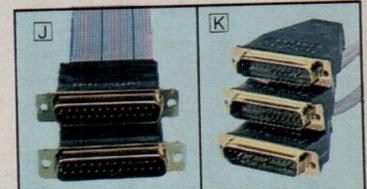
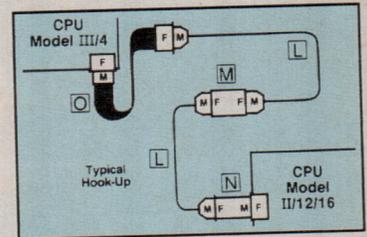
Fig.	Function	Description	Cat. No.	Each
H	To parallel printer	34-pin header to 36-pin plug	26-1409	14.95
I	Direct connect modem to modular phone jack	Includes free hour on both CompuServe and Dow Jones News/Retrieval Networks	26-1410	19.95

## Universal RS-232C Accessories

Industry-standard accessories for serial communications. Compact, round cables with molded plugs are quality-crafted for reliability. Pins 1-8, 15, 17, 20, 24 extended.

## RS-232C Cables

Fig.	Function	Description	Cat. No.	Each
J	Model III/4/12/16B Serial Interface	Male DB25 to DB25, 5-ft. Ribbon	26-1408	19.95
K	For Model II/16	Male DB25 to DB25 5-foot round cable with terminator	26-4403	39.95
L	For Model 12/16B or with 26-1497	10-foot round cable 25-foot round cable 50-foot round cable 100-foot round cable	26-1490 26-1491 26-1492 26-1493	29.95 39.95 54.95 89.95
M	Joins cables together for longer runs	RS-232C Cable Connector	26-1495	29.95
N	Allows two CPUs to communicate directly through "modem" software	Null Modem Adapter	26-1496	29.95
O	Allows use of round RS-232C cables with Model III/4	8-inch flat extender	26-1497	17.95



## Printer Selector Switch

**119<sup>95</sup>**

Easy Switching Without Changing Cables

**SW-302 Parallel Printer Switch.** Connect two printers to one computer, or two computers to one printer. Dual parallel ports permit quick and easy switching. For any TRS-80 or data terminal with a standard parallel interface. U.L. listed AC power module. Cables not included. 26-1498 . . . . . 119.95

## RS-232C Selector Switch

**149<sup>95</sup>**

Connect Up to Three RS-232C Devices

**SW-303 RS-232C Selector Switch.** Connect any three RS-232C devices to your TRS-80 computer. There are two switched ports for modems, digitizers, plotters and more—one configurable port for communication between two computers. U.L. listed AC power module. Cables not included. 26-1499 . . . . . 149.95

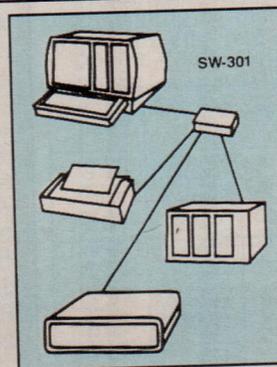


## Automatic Power Strip

**69<sup>95</sup>**



**SW-301.** Activates up to five peripherals when you turn on your Model II, III, 4, 12 or 16B. U.L. listed. 26-1429 . . . . . 69.95



## Power Line Filter Protects Your TRS-80

**49<sup>95</sup>**

- Cuts Problem-Causing Interface
- Single Switch Controls Eight AC Outlets

Our Power Line Filter limits AC power line interference to the TRS-80 Model I and the Color Computer. Switch will control eight outlets. Effective dual-section design. U.L. listed. 26-1451 . . . . . 49.95



# TRS-80 COMPUTER SYSTEM FURNITURE



**A System Desk**  
**279<sup>95</sup>**  
 Drawer not included

- Attractive
- Sturdy Construction

**B Printer Stand**  
**149<sup>95</sup>**



## Deluxe Desk and Stands



**C Terminal Stand**  
**179<sup>95</sup>**  
 Computer and Copy Holder not included

- Roll-Around
- Adjustable

**A Model II/12/16 Workstation.** Accents any office. Plenty of convenient working space, with wiring cutouts in top. Heavy-duty construction. Easy to assemble. 27 x 48 x 30". 26-4303 ..... 279.95

**B Printer Stand.** Convenient slotted top allows bottom paper feed, making this versatile stand compatible with all Radio Shack printers. Wire paper basket included. Easy assembly. 27 x 24 x 19". 26-4305 ..... 149.95

**C NEW! Deluxe Terminal Stand.** Perfect for Model II, 12 or 16. Rolls to where it's needed on locking casters. 30 x 30" top adjustable at 26", 27" or 28" high. 26-4306 ..... 179.95

**System Desk Drawer.** Mount on left or right of desk. 12<sup>3</sup>/<sub>4</sub> x 18<sup>1</sup>/<sub>2</sub> x 20<sup>1</sup>/<sub>4</sub>". 26-4304 ..... 129.95

**Locking Casters.** Fits Printer Stands 26-4305 (above) and 26-1308 (below). 26-1319 ..... Set of 4/19.95

**D Adjustable Copy Holder.** Holds 8<sup>1</sup>/<sub>2</sub> x 11" documents on adjustable 33" arm. 73-2002 ..... 69.95

## Workstation Data Tray

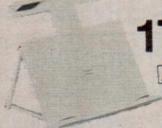


**NEW FOR 84** **9<sup>95</sup>**

Place Atp Your Computer or Terminal

Keeps documents and computer printouts close at hand. Holds 14<sup>7</sup>/<sub>8</sub> x 11" printouts. Non-skid feet. 26-1334 .. 9.95

## Easel and Data Tray



**17<sup>95</sup>**

**A**



**6<sup>95</sup>**

**B**

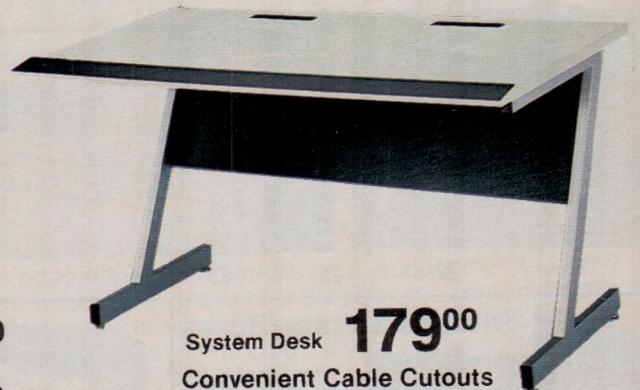
**A Typing Easel.** Adjustable T-bar and friction pads keep book open and in place. 73-2003 ..... 17.95

**B Stacking Data Tray.** Holds 14<sup>7</sup>/<sub>8</sub> x 11" printouts. Trays interlock. Polystyrene. 26-1331 ..... Each 6.95

## Affordable System Desk and Matching Printer Stand



**Printer Stand** **99<sup>00</sup>**  
 Perfect for Office Use



**System Desk** **179<sup>00</sup>**  
 Convenient Cable Cutouts

**Universal Printer Stand.** The ideal companion to the system desk (at right)—gives you much more work space. Slotted top for bottom-feed printers. Easy to assemble. 27 x 23<sup>1</sup>/<sub>2</sub> x 19". 26-1308 ..... 99.00

**Model 4 System Desk.** Contemporary styling is perfect for office use. Spacious, too—there's plenty of room for your Model 4 or III computer and a printer. Includes instructions for easy assembly. 27 x 48 x 27". 26-1305 ..... 179.00

## Office Accessories



**A Swivel Chair**  
**199<sup>95</sup>**

**B Anti-Static Mat**  
**79<sup>95</sup>**

**A Deluxe Swivel Chair.** Brown nylon fabric. Adjustable tilt, swivel and height. 74-1057 ..... 199.95

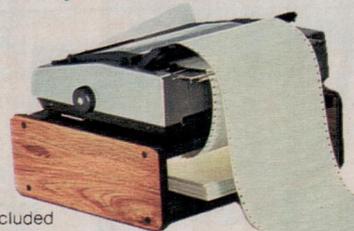
**B Protective Anti-Static Mat.** Drains static charges. 36 x 48" overall. 70-500 ..... 79.95

## Desktop Printer Stand

**NEW FOR 84**

**29<sup>95</sup>**

Printer and paper not included



Upper shelf holds DMP-100 or 200, Line Printer VII or VIII. Lower shelf holds paper stacks up to 3<sup>3</sup>/<sub>4</sub>" deep. 6<sup>1</sup>/<sub>4</sub> x 18<sup>1</sup>/<sub>4</sub> x 15<sup>1</sup>/<sub>4</sub>". 26-1325 ..... 29.95

## "Budget" Computer Table

**69<sup>95</sup>**

Ideal for Home or School Use



Small enough to let you set up your system nearly anywhere, but large enough for the TRS-80 Color Computer or even the Model 4 or III. Easy to assemble. 27 x 48 x 24". 26-1324 ..... 69.95

# DISKETTES AND MEDIA STORAGE

## Certified TRS-80 Unformatted Diskettes



8" Diskettes  
Low As **600** Each  
Single-Sided  
(In Box of 10)

- Made to the Most Rigid Industry Standards
- Certified Free of Defects—Programs and Data Are Safe
- Diskettes Will Operate in Any Appropriate TRS-80 Disk Drive

5 1/4" Diskettes  
Low As **400** Each  
Single-Sided  
(In Box of 10)



**TRS-80 Diskettes.** Double-coated with an advanced ferric oxide blend that produces maximum lubrication and resistance to diffusion.

**8" Diskettes.** Double-density. 77-track. Soft-sector.

Single-Sided			Double-Sided		
Quantity	Cat. No.	Price	Quantity	Cat. No.	Price
Package of 3	26-4904	19.95	Package of 3	26-4961	24.95
Package of 10	26-4906	59.95	Package of 10	26-4960	69.95

Quantity (10 Packs)	Single-Sided (Per 10-Pack)	Double-Sided (Per 10-Pack)
1-4	59.95	69.95
5-9	53.95	63.95
10-Up	49.95	59.95

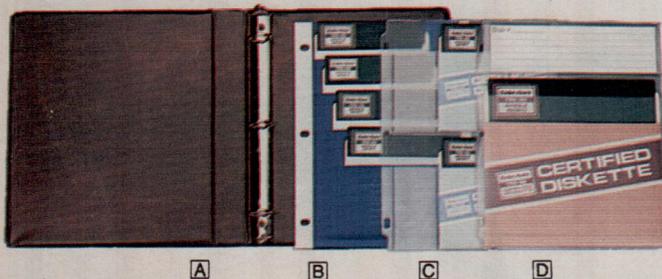
**5 1/4" Diskettes.** Single-sided. Double-density. 40-track. Soft-sector.

Quantity	Cat. No.	Price
Single Disk	26-305	4.95
Package of 3	26-405	13.95
Package of 10	26-406	39.95

Quantity (10 Packs)	Per 10-Pack
1-4	39.95
5-9	34.95
10-Up	33.95

## Protect and Organize Valuable Diskettes with Disk Envelopes



- A** Universal Data Binder. 3-ring for diskette envelopes. 26-1310 . . . . . 5.95
- Disk Envelopes.** Safe, convenient storage.
- B** 5 1/4". Multi-pocket. Holds 8. Pkg. of 4. 70-514 . . . . . 14.95
- C** 5 1/4". Holds 2. Pkg. of 10. 26-510 . . . . . 7.95
- D** 8". Holds 1. Pkg. of 10. 26-4907 . . . . . 7.95

## Replacement Diskette Labels



- Non-Smearing
- Color Coded For Convenience

Just peel-and-stick to label your diskettes for easy filing.

- 5 1/4". 26-307 . . . . . Pkg. of 54/1.95
- 8". 26-4955 . . . . . Pkg. of 54/1.95

## Diskette Storage Boxes



Pop-Out Easel Front

Each holds up to ten diskettes.

- 5 1/4". Black. 26-1321 . . . . . 4.95
- 8". Brown. 26-4956 . . . . . 5.95

## File Boxes With Index Dividers



Each box holds 50 diskettes.

- A** 8". 26-4953 . . . . . 39.95
- B** 5 1/4". 26-1453 . . . . . 29.95

## Protective Disk Rings



- Prevents Loss of Data
- Strengthens Hub

- 5 1/4" Disk Saver. 50 rings and installation tool. Easy to install. 70-515 . . . . . 12.95
- Refill. 50 rings. 70-516 . . . . . 6.95
- 8" Disk Saver. 50 rings and installation tool. Easy to install. 70-517 . . . . . 14.95
- Refill. 50 rings. 70-518 . . . . . 7.95

## Locking Disk File Boxes



NEW FOR 84

Each file box holds 90 diskettes. Includes 9 snap-lock dividers.

- A** 8". 73-2006 . . . . . 59.95
- B** 5 1/4". 73-2005 . . . . . 49.95

## Flip Files



NEW LOW PRICES

Protects 20 Disks

- 8". Was \$39.95 in Cat. RSC-9. 70-502 . . . . . 34.95
- 5 1/4". Was \$34.95 in Cat. RSC-9. 70-503 . . . . . 29.95

## Diskette Mailers



- Easy to Use
- Inner Envelope for Dust Protection
- Sturdy to Prevent Bending

Mail data or program diskettes with confidence.

- 5 1/4". 26-1317 . . . . . Pkg. of 5/6.95
- 8". 26-4954 . . . . . Pkg. of 5/8.95

# TRS-80 COLOR GRAPHICS PRINTERS

Low Cost, Low Noise Color Ink-Jet Printer

**NEW FOR '84**

**699<sup>00</sup>**

As Low As \$41 Per Month  
On CitiLine Credit

- High-Resolution Ink Jet Printer
- Prints in Seven Vivid Non-Smearing Colors
- Incredibly Quiet Printing



Uses Easily-Replaced Ink Packs

**CGP-220.** This drop-on-demand ink-jet printing system quietly prints text and graphics in yellow, violet, red, green, cyan, magenta and black! Prints 2600 dots/second in graphics mode with a resolution of 560 dots/line (monochrome) and 640 dots/line (multi-color mode). Text mode gives you 12 cpi at 37 characters (7 x 5) per second. A screen print utility for the TRS-80 Color Computer will allow multi-color printouts of color graphics screens produced from any graphics program. Selectable parallel and Color Computer-compatible serial interfaces (600/

2400 baud). Uses 8 1/2" paper. U.L. listed. 26-1268 ..... 699.00

**Replacement Ink Packs.** Long-life ink packs provide approximately 3-4 million characters per color. Non-smearing.

**Black Ink Pack.** 26-1281 ..... 9.95

**Tri-Color Ink Pack.** 26-1282 ..... 14.95

**Roll Paper.** Recommended for best print quality. 26-1333 ..... Pkg. of 3/9.95

**8 1/2 x 11" Paper.**  
26-1341 ..... 250 Sheets/6.95



Screen print utility gives you spectacular, seven-color printouts of TRS-80 Color Computer displays.

## Incredibly Affordable, Ultra-Compact Color Graphics Printer

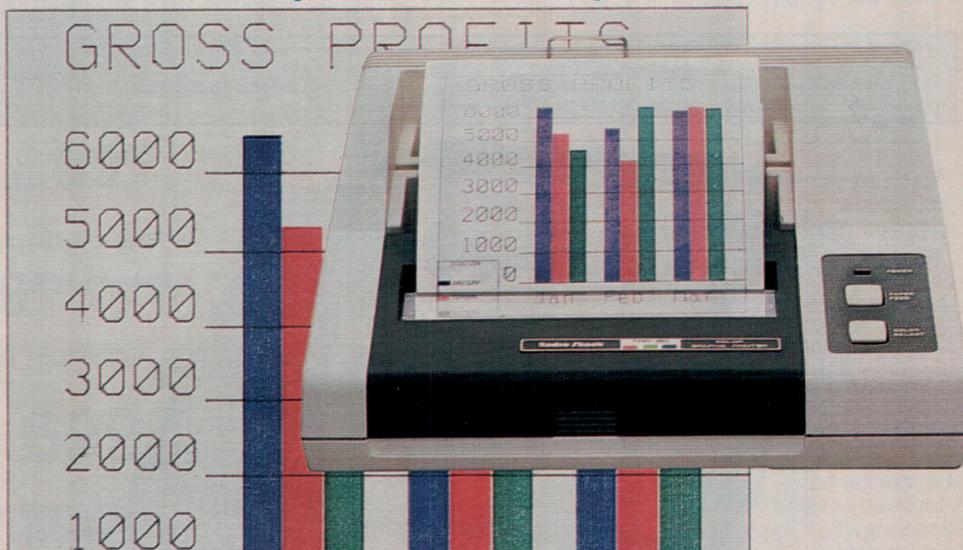
**NEW LOW PRICE**

Was \$249.95 in  
Cat. RSC-9

**199<sup>95</sup>**

- Uses Easily Replaceable Ink Cartridges
- Includes Serial and Parallel Interfaces
- Simple-to-Use Commands

**CGP-115.** It's hard to believe that the small, inexpensive CGP-115 Color Graphics Printer can be so versatile. Measures just 2 15/16 x 8 1/4 x 8 1/2" and weighs only 1 3/4 pounds. You can create a variety of graphic output from charts to computer-generated "doodles". Prints in red, blue, green and black on 4 1/2" wide paper. Drawing and plotting is simplified with CGP-115's built-in commands. Text mode prints 40 or 80 characters per line at 12 characters/second—ideal for program listings and output. Software controls additional character sizes and rotation. Uses easily replaceable ink cartridges. U.L. listed. 26-1192 ..... 199.95



**Replacement Pens and Paper**

**Black Pens.** Set of 3. 26-1480 ..... 2.95

**Color Pens.** One each: red, green, blue. 26-1481 ..... 2.95

**Roll Paper.** 4 1/2" wide, 150-ft. long. 26-1428 ..... Pkg. of 3/4.95

**SPECIFICATIONS.** Plotting Range: X-axis—3 13/16 inches (480 steps), Y-axis—no limit. Plot Speed: 2 1/16 inches/sec. Print Speed: 12 characters/sec. Characters/Line: 80 or 40 (text mode). Any size from 1 to 80 per line (graphics mode). Power Requirements: 120VAC, 60 Hz, 23 Watts.

# RADIO SHACK'S EDUCATION DIVISION

**Our Commitment to Education.** Radio Shack's TRS-80 micro-computer is a valuable teaching tool in use in schools nationwide. That's why we support a continuing effort to produce instructionally-sound and properly-validated courseware. In addition, we offer free computer training classes to teachers and school administrators.

**What Makes Courseware Unique?** A computer is useless without a program—a special set of instructions in computer language that tells the computer how to solve a problem. But for education, a computer program must also implement an

acceptable instructional strategy. That's why Radio Shack has involved the experts—teachers, curriculum developers and administrators—in designing and field-testing our complete line of TRS-80 courseware offerings.

**A Wide Selection of Programs.** We invite you to compare our courseware with other programs currently available. You'll discover what a difference quality TRS-80 courseware can make. Our Regional Educational Coordinators are ready to help you decide how our TRS-80 microcomputers and courseware can best suit your needs.

## Computer Assisted Instruction

Computer Assisted Instruction (CAI) is based on using the computer to assist the educator in teaching subjects like reading, history, math and science. Proven CAI techniques have centered on individualized learning where the computer generates and presents student exercises in a specific subject area. CAI programs involve students interactively with the computer.

### K-8 Math Series

Ideal for use as a supplement to regular classroom instruction in Kindergarten through 8th grades. This series was designed by professional educators, and has been extensively field-tested in the classroom. Immediate feedback is given for correct and incorrect answers. Each program includes lesson summaries and K-8 Math Cross-Reference.



**K-8 Math Program, Vol. I.** I/III + \*† (G) Randomly generates drill-and-practice problems in number concepts, addition, subtraction, multiplication and division. Features student placement, skill building and test modes, plus automatic promotion and demotion. 26-1715 ..... 199.00

**K-8 Math with Student Management, Vol. I.** I/III \* (A) The original K-8 Math Program with added student management features. Monitors promotions and demotions, and allows for teacher review of scores. Starts each student in the appropriate lesson each session. Printer optional. 26-1725 ..... 199.00

**K-8 Math Worksheet Generator.** I/III (A) Generates worksheets and answer sheets from K-8 Math lessons. Teacher can print multiple copies of identical worksheets or worksheets with different problems at the same difficulty level. Worksheets can be saved on disk for later use or editing. Line printer required. 26-2162 ..... 99.95

**K-8 Math Cross-Reference.** Correlates individual K-8 Math lessons with specific chapters and pages in six major math basals. 26-2750 ..... 4.95

## Secondary Math and Science Programs

**NEW! The Solar System: Featuring the Discovery of the Planet Pluto.** CC (G) This audio-visual program is designed to supplement classroom instruction for upper-elementary and secondary students. High-resolution graphics and recorded speech are used to present facts about the planets in our solar system and how they were discovered. Questions about the lesson material are presented in the program, with immediate feedback for each student response. Narrated in part by Dr. Clyde W. Tombaugh, discoverer of the planet Pluto. *Out of the Darkness: The Planet Pluto*, a book by Dr. Tombaugh and Patrick Moore, is included. 26-2647 ..... 59.95



### Essential Math Program.

I/III + \*† (G) Drill-and-practice program for grades 7-12. Reinforces math concepts introduced by the teacher. Gives immediate feedback for correct and incorrect answers. Includes placement mode, as well as promotion and demotion.



**Vol. I.** Covers addition, subtraction, multiplication, division and number concepts. 26-1716 ..... 199.00

**Vol. II.** Covers fractions, decimals, percents and pre-algebra concepts. 26-1719 ..... 199.00

### Euclid Geometry Tutor.

I/III + \*† (G) Allows students to practice constructing proofs using nine basic postulates of Euclidean geometry. Developed by a high school geometry teacher and tested extensively in the classroom. Program works out a proof automatically, and guides and tests construction of student's proofs. Teacher's manual includes numerous exercises in Euclidean geometry. 26-1724 ..... 39.95

**Advanced Graphics.** I/III + \*† (G) Investigations in analyzing equations and plotting their respective graphs through demonstrations of plotting functions and plotting polar and parametric equations. 26-1714 ..... 39.95

**Vector Addition.** I/III + \*† (G) Plots components and sums of student-provided vectors. 26-1720 ..... 39.95

**NEW! Vector Addition for the Color Computer.** CC + † (I) 26-2638 .. 39.95

### Interpreting Graphs in Physics: Position and Velocity Versus Time.

I/III + \*† (G) Poses graph-related questions or simulations relating to rectilinear motion including position, speed, displacement and acceleration concepts. 26-1721 ..... 39.95

**Graphical Analysis of Experimental Data.** I/III + \*† (G) Plots and analyzes data pairs input by student. 26-1722 ..... 39.95

**Investigations in Integral Calculus.** I/III + \*† (G) Explores fundamentals through 14 investigations. Graphs and computes areas of functions. 26-2600 ..... 39.95

**NEW! Investigations in Integral Calculus for the Color Computer.** CC + † (I) 26-2641 ..... 39.95

**Plane Analytic Geometry.** I/III + \*† (G) Generates problems with emphasis on straight lines and conic sections. 26-2602 ..... 39.95

**Number Theory.** I/III + \*† (G) Definitions, examples, and exercises on constructive or computational aspects of number theory concepts. 26-2613 ..... 69.95

**Matrices, Determinants, and Simultaneous Equations.** I/III + \*† (G) Generates problems related to simple matrix algebra. 26-2620 ..... 49.95

**Quadratic Equations.** I/III + \*† (G) Practice in coefficient and equation recognition, discriminant evaluation, type of roots, more. 26-2623 ..... 49.95

**TRS-80 Chemistry Lab.** Six laboratory experiment simulations on Kinetic Theory, Charles' Law, Boyle's Law, Titration, Conductivity and Solubility. Students control variables in experiments in order to see changing results. Each package includes an instructor's manual and 25 student experiment books.

**Vol. I.** I/III + \*† (G) 26-2609 ... 199.00

**Vol. I.** CC + (H) 26-2626 ..... 199.00

**Additional Student Experiment Book.** For use with 26-2609 and 26-2626. 26-2666 ..... 3.00

# TRS-80 CAI CLASSROOM COURSEWARE

## Language Arts and Reading Programs

### High Motivation Reading Series

**HMRS.** Radio Shack's High Motivation Reading Series is based on motivational reading materials for levels 4-6 using an illustrated format. Four copies of the student reader and a read-along audio tape accompany the program. The computer measures comprehension in several skill areas, such as understanding the main idea, sequence of events, details and separating fact and opinion. Spelling and vocabulary drill-and-practice exercises based on words from the story are also included. Additional activities are included in the teacher's manual. Program can be used with optional Student Records System that stores student scores on disk. TRS-80 MicroPILOT™ (26-2718) required.



<b>HMRS Charles Lindbergh/Amelia Earhart.</b> III* (A) 26-2513	74.95
<b>HMRS Hound of the Baskervilles.</b> III* (A) 26-2514	69.95
<b>HMRS Dracula.</b> III* (A) 26-2515	69.95
<b>HMRS Moby Dick.</b> III* (A) 26-2516	69.95
<b>HMRS The Beatles.</b> III* (A) 26-2517	69.95
<b>HMRS 20,000 Leagues Under the Sea.</b> III* (A) 26-2518	69.95
<b>NEW! HMRS Time Machine.</b> III* (A) 26-2519 (Available 11/1/83)	59.95
<b>NEW! HMRS Frankenstein.</b> III* (A) 26-2520 (Available 11/1/83)	59.95
<b>HMRS Student Record System.</b> III* (A) 26-2521	29.95

### Computer Assisted Reading Development Series

**C.A.R.D.** Adapted from the highly-successful Philadelphia Computer Assisted Reading Development Program. It is written at an intermediate reading level (approximately grades 4 through 6), and was designed to teach basic reading skills to students whose reading skills are below grade level as determined by standardized tests.



#### NEW! C.A.R.D. II: Paragraphs. III\*

(C) Designed to improve comprehension through tutorial reading development lessons in five skill areas: finding the general topic of a paragraph, finding the specific topic, finding details, finding topic sentences, and paragraph relationships. Program is aimed at upper elementary or intermediate and secondary students. Each topic is presented through a pre-test, a series of developmental lessons, and a post-test. Requires TRS-80 AUTHOR I Lesson Presentation Package (26-2707) or TRS-80 AUTHOR I (26-1727). Compatible with Network 3 using TRS-80 Network 3 Lesson Presentation Package (26-2713). 26-2604

..... 199.00

#### Introduction to the Alphabet

II/III + \*† (G) Drill and practice to help children 4 to 6 years old become familiar with the capital and small letters of the alphabet and their locations on the TRS-80 computer keyboard. 26-1718

..... 39.95

## Business Programs

### NEW! Corplan.

III\* (C). A management decision simulation game designed to supplement business instruction at the college or advanced secondary level. Allows an individual student or a team to make the quarterly production, sales and financial decisions that will make or break an imaginary company. Combining role-playing and teamwork, Corplan can aid teachers in explaining the basic rules of running a business and the value of long-range planning. Produce charts and screen reports with optional printer. Minimum of 48K in all stations required when Corplan is used in a Network 3 environment. 26-2619 (Avail. 10/15/83) . . . . . 49.95



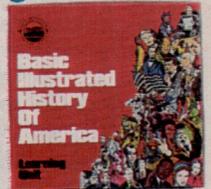
### Numeric Data Entry Practice.

I/III\* (A) A 25-lesson practice course to help students develop speed and accuracy in the 10-key entry of numeric data. Printer optional. 26-2601 . . . . . 39.95

## History Programs

### High Motivation History Series.

III\* (A) This HMHS Basic Illustrated History of America Learning Unit consists of 12 illustrated books on American history, from 1500 to the 1980's. Includes read-along audio tapes and computer activities diskettes. Requires TRS-80 AUTHOR I Lesson Presentation Package (26-2707) or TRS-80 AUTHOR I (26-1727). Compatible with Network 3 using TRS-80 Network 3 Lesson Presentation Package (26-2713). 26-2645 . . . . . 299.00



### History of Technology.

These packages describe major technological achievements through graphics, text, sound effects and recorded speech. Each package includes four lessons.



**Pioneers in Technology.** CC (G) Lessons include The Age of Flight, Space Exploration, The Electric Car, and History of Computers. 26-2624 . . . 94.95

**Inventions That Changed Our Lives.** CC (G) Lessons include Edison's Electric Inventions, Bell and the Telephone, The Story of Railroads, and The Age of Television. 26-2625 . . . . . 94.95

### Minimum System Requirements for Radio Shack's Educational Hardware and Software

I — Model I	(A) 32K With One Drive
III — Model III	(C) 48K With One Drive
(Model III courseware will run on a Model 4 in Model III mode.)	(E) 64K With One Drive
CC — Color Computer	(G) 16K With Cassette
	(H) 16K Extended Color BASIC
	(I) 32K Extended Color BASIC

- + Furnished on cassette and diskette. Disk version requires 32K with one drive.
- \* Compatible with Network 3. Requires additional 16K and RS-232C in student station.
- † Compatible with Network 2.

# EDUCATION MANAGEMENT SYSTEMS

Radio Shack Makes Courseware Development Easy

Administrative Applications



Our authoring systems make it easy to create courseware with a TRS-80 computer. No extensive programming knowledge is required.

## TRS-80 MicroPILOT™

III\* (A) Create your own TRS-80 courseware or adapt it from any curriculum suitable for computer assisted instruction (CAI). TRS-80 MicroPILOT is command-oriented. It's based on the PILOT computer language, but offers extended graphics and disk file handling capabilities. Features one-letter commands, upper and lower case characters and branching. Includes user's manual, sample lesson and a reference section. 26-2718 ..... 119.95

## TRS-80 Color PILOT

Color PILOT lets you mix text and high-resolution graphics. It features a built-in line editor and easy one-letter commands. Graphics operators include color, line, box, window and more. Display options include upper and lower case characters and user-generated characters. Linking to program segments on disk is supported. Complete instruction and reference manual, with sample programs.

**TRS-80 Color PILOT Tape Version.** CC (G) Printer optional. 26-2709 ..... 59.95

**TRS-80 Color PILOT Disk Version.** CC (A) Printer optional. 26-2710 ..... 79.95

## Take Advantage of Our Educational Resource Series



**New Second Edition! TRS-80 Educational Software Sourcebook.** An updated, expanded edition of our comprehensive Educational Software Sourcebook.

Vendor-furnished listings include descriptions of programs and user site references. Features many new listings for all TRS-80 desktop computers. Also includes publisher profiles of companies that list courseware in the book. 26-2764 ..... 6.95



**TRS-80 Microcomputer Information Handbook for Educators.** This informative booklet describes what microcomputers are and how they can be used in

classrooms and for administrative purposes. Discusses costs, courseware and other considerations of special concern to the educator. 26-2757 ..... 2.50

## TRS-80 AUTHOR I

I/III (A) A screen-oriented authoring system that allows teachers to create CAI materials. Features full-screen editing, graphics, branching and automatic score-keeping option. Teacher can include a glossary, hints, feedback messages. Printed report includes scores and timings. Sample lesson on diskette. 26-1727 ..... 149.95

## TRS-80 AUTHOR I Lesson Presentation Package

I/III (A) Presents lessons that have been created using TRS-80 AUTHOR I. Printed report includes scores and timings. Sample lesson on diskette. (Not required if you have TRS-80 AUTHOR I.) 26-2707 ..... 64.95

## New! TRS-80 Network 3 Lesson Presentation Package

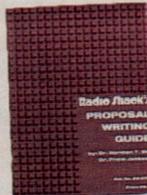
III\* Allows you to use our Network 3 Controller to present lessons created with TRS-80 AUTHOR I. Presents the lesson and lets you create a lesson score file for storing performance data on diskette. Print scores and timings with optional line printer. Requires host computer with two disk drives. 26-2713. Available 10/30/83 .... 239.00

## Quick Quiz: A Mini-Authoring System

I/III (A) Makes it easy to create, edit, store and give multiple-choice tests in any subject area. Allows up to 40 questions with four choices per question. 26-1728 ..... 39.95

## Proposal Writing Guide.

A step-by-step guide to writing grant proposals. For educators seeking funding from an outside source (such as the Federal government or a private foundation) for computer-related education projects. 26-2754 ..... 9.95



**My TRS-80 Likes Me.** Teacher's guide to helping elementary students understand and enjoy the BASIC computer language. Includes activities and program listings. 26-2751 ..... 2.50

## Number Patterns.

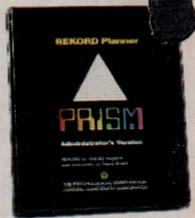
This 36-page booklet shows how to introduce sequences and series in an entertaining way using computers. 26-2752 ... 2.50



## REKORD™ Planner

III(C) Record-keeping system you can personalize to fit your own data management needs! File student data, print out student and school information, and generate reports. This versatile, time-saving system makes information instantly available about any student in the file. Includes a program and tutorial diskette, plus sample formats. Available in three versions.

**Administrator.** 26-2725 ..... 499.00  
**Counselor.** 26-2726 ..... 499.00  
**Special Programs.** 26-2727 ... 499.00



## CHAMPS™: A Football Scouting Program

I/III (C) Football scouting program that lets you store and analyze scouting information on your opponents' offense. Designed for high school and college levels, CHAMPS prints a variety of listings, charts and statistical reports. Comprehensive answers to specific tendency questions in seconds. Includes ten CHAMPS Scouting Manuals, which aid even inexperienced scouts in collecting data. Requires 132-column line printer. 26-2703 ..... 149.95

**Additional Scouting Manuals.** Pkg. of 10. 26-2708 ..... 39.95



## Minimum System Requirements for Radio Shack's Educational Hardware and Software

I—Model I  
III—Model III  
(Model III courseware will run on a Model 4 in Model III mode.)  
CC—Color Computer

- (A) 32K With One Drive
- (C) 48K With One Drive
- (E) 64K With One Drive
- (G) 16K With Cassette
- (H) 16K Extended Color BASIC
- (I) 32K Extended Color BASIC

+ Furnished on cassette and diskette. Disk version requires 32K with one drive.

\* Compatible with Network 3. Requires additional 16K and RS-232C in student stations.

# TRS-80® COMPUTER EDUCATION SERIES

## Learn to Program With BASIC Language Instruction Packages



Complete classroom packages for secondary and post-secondary levels consisting of overhead transparencies, a comprehensive set of structured notes and 25 student workbooks. Each lesson

has five parts—overview, objectives, note-taking guide, quick quiz and hands-on computer activity. Hands-on experience helps reinforce important programming concepts, principles and techniques.

**Part 1: Introduction to BASIC. I/III (G)** A beginning course in programming for secondary students. Introduces students to the TRS-80 computer and BASIC language concepts, including branching, graphics, read/data and more. 26-2150 ..... 220.00

**Additional Workbook.** 26-2151 ..... 3.50

**NEW! Part 1 Videotape Lessons.** Provides instruction in BASIC programming, including arithmetic operations, creating and storing programs, branching, looping, arrays, sub-routines, read-data statements and graphics. Students learn by taking notes during the presentation and completing a quiz and a "hands-on" activity afterward. The series of 30-minute lessons is based on Part 1: Introduction to BASIC (26-2150), and is taught by Dr. Norman T. Bell. 1/2" VHS format. Requires the Part 1 student workbook (26-2151). 26-2753 ..... 349.00

**Part 2: BASIC Programming. I/III (G)** Builds upon the concepts presented in Part 1. Concentrates on arrays, memory management, string manipulation, types of variables, editing, computer detected programming errors, formatting output and more. 26-2152 ..... 260.00

**Additional Workbook.** 26-2153 ..... 4.50

**Part 3: Advanced BASIC. I/III (G)** Material covered includes such concepts as INKEY\$ statement, ASCII character set, graphics, cassette data files, math functions, multi-dimensional arrays and more. 26-2154 ..... 260.00

**Additional Workbook.** 26-2155 ..... 4.50

**NEW! Part 4: TRSDOS. I/III (A)** Advanced concepts of the TRSDOS operating system are covered, including library and utility commands, troubleshooting and error messages, commands for machine language and more. 26-2156. Available 10/30/83 ..... 299.00

**Additional Workbook.** 26-2157 ..... 4.50

NOTE: Software not included in the above BASIC series. Student activities are designed for hands-on experience with Level II or Model III BASIC (or TRSDOS in Part 4).

**Introduction to TRS-80 Level II BASIC.** Textbook designed to introduce secondary students to BASIC programming. New concepts are introduced sequentially, with student exercises at the end of each chapter. 26-2116 ..... 9.95



## Introduce Your Students to Computers with Our Computer Literacy Packages

### New! The Computer Connection



- Introduces Basics of Computer Literacy
- For Junior and Senior High School Students
- Computer Not Required

Acquaint students with the computer—even if your school is without one. Easy-to-understand approach. Adapts to most subject areas. Includes teacher's guide with lesson plans, spirit activity masters, four wall charts and 80-frame filmstrip and audio cassette. 26-2663 ..... 69.00

### Computer Discovery™

Introduces students to computers and discusses their history and impact on society. Also presents basic computer programming concepts. Each package includes interactive exercises, 25 student workbooks and instructor manual.



**Computer Discovery for Junior High.**  
III (A) 26-2630 ..... 189.95

**Additional Workbook.** 26-2631 ..... 4.25

**Computer Discovery for Senior High.**  
III (A) 26-2632 ..... 189.95

**Additional Workbook.** 26-2636 ..... 4.25

### Color LOGO Programming Language

Helps students grasp graphic relationships and develop problem-solving skills. It's fun, easy to use and will pique the curiosity of your students so they'll want to learn more. Students learn to program through manipulation of a "turtle" graphic on the screen. The computer becomes a friendly learning tool, and students gain insight into advanced mathematical, geometric and logical concepts through "hands-on" experimentation. Children under reading age can use a "doodle" mode to create their own graphics using pre-defined one-key commands. As a pattern is drawn, a program is simultaneously created which allows the "doodle" created to be recalled at any time. Students will learn to produce an unlimited number of designs, from simple to complex, merely by changing the turtle's direction and movement. A "hatch" command creates multiple turtles capable of running separate programs simultaneously on the screen. This unique feature allows creation of simple animation and games. Includes comprehensive instruction manual with lessons and programs for beginners and advanced users. Procedures written with Color LOGO may be uploaded or downloaded with a Network 2 Controller.

**TRS-80 Color LOGO Disk Version.** CC (A)  
26-2721 ..... 99.00

**TRS-80 Color LOGO Program Pak.** CC (G)  
26-2722 ..... 49.95

### Computer Literacy: Computers Past and Present



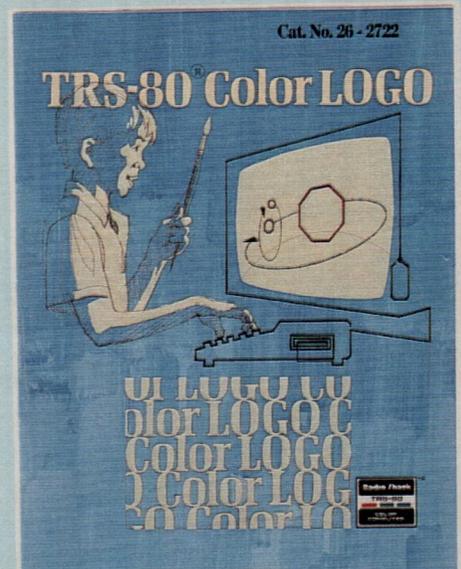
Illustrates the history of computers for students in grades 4 through 8. Explains what a computer is, what it can do and how it works. Access to a computer is not necessary. Includes teacher's guide, six spirit masters and a colorful 22 x 34" wall chart. 26-2755 ..... 9.95

### New! Careers in Computing

Informative package to help secondary students explore computer-related careers. Covers major computer career areas and specific jobs within selected areas. Discusses each job's responsibilities, future outlook and related job titles, as well as the education, experience and personal characteristics recommended. Includes teacher's guide, 30 student manuals, narrated filmstrip, eight spirit masters and colorful wall chart. 26-2758 ..... 130.00



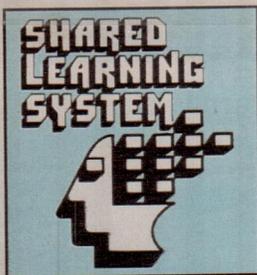
**Additional Student Manual.**  
26-2759 ..... 1.00



**NEW! Color LOGO Teacher's Book.** Instructional ideas and activities for presenting LOGO in the classroom. Special pages can be photocopied and used as class handouts. 26-2761 ..... 3.95\*\*

**NEW! Color LOGO Parent's Book.** Designed for parents and children to learn LOGO together at home. 26-2763. Available 10/30/83 ..... 3.95\*\*

\*\*Requires TRS-80 Color LOGO program.



# TRS-80® EDUCATIONAL SYSTEMS

## Network Controllers Provide Shared Learning Systems

### TRS-80 Network 3 Controller



Connect Up to 16 Non-Disk Student Stations to a Single Model III/4 "Host"

**599<sup>00</sup>**

III/4. Enables student workstations to access and select lessons stored on host system so teacher is freed from repeatedly loading programs. Under software control, scores can be automatically stored on the host disk for later review. An optional line printer attached to host computer lets students get printouts of their programs without teacher assistance. Designed for use with TRS-80 educational courseware that's Network 3 compatible (pages 42, 43 and 44). Requires operating software (below). Minimum student station: 32K Model III/4 with RS-232C port. Minimum host station: 32K 1-Disk Model III/4 with RS-232C port. Cables available separately (see page 38). U.L. listed. 26-1212 . . . . . 599.00

**Network 3 Operating Software.** III. Supports the Network 3 host and its student stations. Permits student stations to SAVE and LOAD programs directly to and from the host disk. Printer access requests are "spooled" at host until printer is free. Operates on Model 4 in Model III mode. 26-2775 . . . . . 149.00



### Add a TRS-80 Network 2 Controller

Allows Teacher's "Host" System to Up and Down-Load Programs to TRS-80 Student Stations

**499<sup>00</sup>**

All Cables Included



I/III/4/CC/MC. Allows easy management of student programs. You can simultaneously load a program into all 16 student systems at either 500 or 1500 baud, depending on the TRS-80 computers used. With optional printer connected to "host" computer, student programs can be loaded into the host and printed out. Use with Model I/III/4 as host and student

stations, or with Color Computers as host and student stations. Or, MC-10s may be used as student stations with either an MC-10 or a Color Computer host. (MC-10 programs cannot run on the Color Computer, but they can be loaded and saved using tape or disk). Controllers can be cascaded to connect more stations. 26-1211 . . . . . 499.00

## Automate Time-Consuming Tasks with a TRS-80 Computer Card Reader

- Reads Marked or Punched Cards in 3 Feeding Modes
- Connect to Any TRS-80 Computer with RS-232C Port

**CR-510 Card Reader.** Administrators, teachers and students can benefit from this new TRS-80 input device. Automate data compilation, evaluate surveys and polls or correct multiple choice tests. The CR-510 provides single, demand or continuous feed operation and is controlled through manual switches or software. Cards must be at least 6 inches in length, and can be either marked or punched (with standard keypunch). Special-order Card Holder allows cards up to 14 inches to be read. Included with the CR-510 is a comprehensive owner's manual, diagnostic test card, packet of 200 general purpose cards, and diskette with COBOL and BASIC driver routines. Requires TRS-80 computer with RS-232C port. Cables available separately (see page 38). 26-1266 . . . . . 1595.00

**1595<sup>00</sup>**

**NEW FOR '84**



**General Purpose Standard Cards.** Use with the CR-510 Card Reader. Packet of 200 six-inch cards that can be marked with any medium (#2 pencil recommended) or punched with standard equipment. 26-1240 . . . . . 4.95

# BOOKS FROM OUR REFERENCE LIBRARY



## New for 1984

- NEW! Color Computer Assembly Language.** Comprehensive guide to 6809 instruction, including set and registers, condition codes, addressing and branching, subroutines, graphics, sound and more. 256 pages. 62-2077 ..... 6.95
- NEW! VisiCalc® Applications.** Learn more about utilizing the strengths of this versatile forecasting tool. 184 pages. 62-1051 ..... 12.95
- NEW! Power of Multiplan™.** Get the most out of this "second generation" spreadsheet analysis program. 184 pages. 62-1052 ..... 12.95
- NEW! Model 4 Technical Manual.** Everything for the Assembly language programmer or designer of hardware interfaces. 26-2110 ..... 24.95
- NEW! Model 4 Disk System Owner's Manual.** Covers initial set-up, BASIC and applications programs. 26-2117 .. 17.95
- NEW! Introduction to Computers.** 26-4940 ..... 9.95

## Programming Texts

- Computer Programming in BASIC for Everyone.** Easy-to-understand introduction to writing programs. 156 pages. 62-2015 ..... 2.95
- BASIC Computer Language.** Self-paced format for Level I BASIC. 232 pages. 62-2016 ..... 5.95
- Level II BASIC.** Informative self-instruction course with lots of examples. 351 pages. 62-2061 ..... 9.95
- Programming Techniques for Level II BASIC.** Supplements #62-2061 above. 142 pages. 62-2062 ..... 4.95
- Introduction to TRS-80 Level II BASIC.** Features sequential introduction of new concepts, with exercises at the end of each chapter. 26-2116 ..... 9.95
- BASIC Conversions Handbook for TRS-80, Apple®, and PET® Users.** Convert BASIC programs for other computers. 96 pages. 62-2088 ..... 5.95
- TRS-80 Pocket Computer Programs.** Fifty programs in Pocket BASIC. 80 pages. 62-2086 ..... 1.95
- Computer Games.** Write your own exciting computer games in Level II BASIC. 152 pages. 62-2068 ..... 7.95
- Home Computer Programs.** Packed with household helpmate programs. 330 pages. 62-2069 ..... 7.95

- Business Programs Applications.** Learn to develop business programs tailored to your particular needs. 282 pages. 62-2074 ..... 4.95
- More TRS-80 Assembly Language Programming.** Techniques and projects. Z80 instruction set and codes. 430 pages. 62-2075 ..... 5.95
- Introduction to TRS-80 Graphics.** Line drawing, special characters, pixel graphics, animation. 134 pages. 62-2073 ..... 7.95
- TRS-80 Pocket Reference Handbook.** Comprehensive guide to all TRS-80s. 228 pages. 62-2084 ..... 6.95

## Color Computer

- Getting Started With Color BASIC.** Learn to write Color BASIC programs with graphics and sound effects. With over 300 pages of instructions written for the beginner. 26-3191 ..... 5.95
- Going Ahead With Extended Color BASIC.** Describes features of Extended Color BASIC, including advanced graphics, complex sounds and more. Over 210 pages of instructions. 26-3192 ... 5.95
- Color Computer Programs.** Over 37 useful and fun programs to key into your computer. 334 pages. 62-2313 ..... 9.95
- Color Computer Graphics.** Extensive guide to creating superb color graphics on your Color Computer. 256 pages. 62-2076 ..... 5.95
- Color Computer Technical Reference Manual.** For the "technical-minded". Explains how the Color Computer works—including input/output, joystick ports and more. 26-3193 ..... 14.95
- Color Quick Reference Guide.** Features functions, editor commands, ROM subroutines, handy index and more. 26-3194 ..... 4.95

## Model I/III/4

- Getting Started with TRS-80 BASIC.** Entertaining introduction to Level II and Model III BASIC programming. Excellent for beginners. Sample programs and exercises. 26-2107 ..... 6.95
- BASIC Faster and Better & Other Mysteries.** Useful functions, subroutines, utilities and tips to "supercharge" Model III and Model I programs. 288 pages. 62-1002 ..... 29.95
- Graphics for Model I/III.** Explains how to control graphics in easy-to-understand language. 288 pages. 62-2087 .. 10.95
- Video/Program Worksheets.** Layout sheets for Model I/III graphics. 26-2105 ..... 100 sheets/3.95
- Model III Technical Reference Manual.** Provides technical information and theory of operation on Model III hardware. Extremely handy for use in troubleshooting and adding interfaces. 26-2109 ..... 9.95
- Model III Disk System Owner's Manual.** Covers disk operation, TRSDOS and Disk BASIC. Complete with helpful programming examples. 161 pages. 26-2111 ..... 6.95
- Model III/4 Owner's Manual.** Detailed information on Model III/4 operation, including BASIC language. 259 pages. 26-2112 ..... 5.95
- Model I Level II Manual.** 26-2102 ..... 5.95
- Model I TRSDOS Manual.** 26-2104 ..... 5.95

## Model 12 and Model 16

- Model 12 Manuals.** 26-4922 .... 69.00
- Model 16 Manuals.** 26-6040 .... 75.00
- Model 16B Manuals.** 26-6041 .... 85.00

## A Wealth of Information on the TRS-80 Computer

- NEW! TRS-80 Agricultural Software Sourcebook.** A complete listing of ready-to-run TRS-80 agricultural programs. 26-2774 ..... 2.95
- TRS-80 Applications Software Sourcebook.** Includes over 3900 ready-to-run programs of all types for sale by a variety of vendors. 26-2114 ..... 4.95
- TRS-80 Microcomputer Newsletter Reprints Volume I.** The first 20 issues of this popular and informative subscription publication bound into one handy text. A gold mine of information! 122 pages. 26-2115 ..... 4.95
- TRS-80 Microcomputer Newsletter Reprints.** January through December 1981 issues bound together into one book. 26-2240 ..... 9.95
- NEW! TRS-80 Microcomputer Newsletter Reprints.** January through December 1982 issues bound into one book. 26-2241 ..... 9.95

# ENHANCED TRS-80 COLOR COMPUTERS



16K Standard Color Computer 2

**NEW FOR '84**

**239<sup>95</sup>** Less TV

As Low As \$25 Per Month on CitiLine Credit

**TRS-80 Color Computers Are Better Than Ever!** We improved our most popular family computers with a compact white case, low-profile, electric typewriter-quality keyboard and prices that are less than last year's models!

**Ideal for Entertainment, Household and Educational Uses.** Easily attach the Color Computer to any TV—then Program Pak™ cartridges let you battle starships in outer space, run a maze, play baseball—and lots more. But playing games is only the beginning. You can set up a budget or monitor your investments. Your kids can learn math or typing, enjoy literary classics or make glorious computer "paintings".

## Who is the Color Computer for?

The TRS-80 Color Computer is ideal for anybody who wants to enjoy video games in a system that can be used for many other household, business and educational tasks. It's great for beginners who want a computer that's easy to learn on—but not limiting. And it's perfect for hobbyists who want a full-featured system with the opportunity for advanced graphics and programming expansion.

16K Extended Color Computer 2

**NEW FOR '84**

**319<sup>95</sup>** Less TV

As Low As \$27 Per Month on CitiLine Credit

**Want to Learn to Program?** Our entertaining instruction manuals will have you writing programs with color displays and sound in no time. Color BASIC's simple commands let you quickly produce drawings, diagrams and charts. Choose from eight brilliant colors, create musical tones, solve problems, analyze data and much more. Then save your work on tape with an optional cassette recorder.

**Expand Easily.** Add a pair of joysticks, a printer, and a modem for telephone communications. Upgrade with more memory and up to four disk drives, too.

**16K Standard Color Computer 2.** The Standard Color BASIC language includes data and string handling, dimensioned arrays, math functions and 9-digit numeric accuracy. Includes entertaining 308-page beginner's manual. U.L. listed. 26-3026 . . . . . 239.95

**16K Extended Color Computer 2.** All the features of Standard BASIC, plus advanced programming capabilities to create, high-resolution color graphics using simple one-line commands. Includes PEEK, POKE and USR commands, multi-character variable names, string arrays up to 255 characters, full-featured editing and tracing. Includes tutorial manuals on Standard and Extended BASIC. U.L. listed. 26-3027 . . . . . 319.95

- Create Vivid Color Graphics With Exciting Sound Effects and Music
- Use Instant-Loading Program Pak
- Learn to Write BASIC Programs
- Easily Attach to Any TV Set

## Color Computer Accessories

- A NEW! Color Mouse.** Adds speed and ease to game-playing and graphics creation. Simply "roll" across tabletop to accurately position cursor. Use alone or with a joystick. 26-3025 . . . . . 49.95
- B Color Computer Joysticks.** For fast action! 360° movement. Single-shot button. 26-3008 . . . . . Pair/24.95
- C NEW! Deluxe Joystick.** Just one touch and you'll feel the difference! Patented stick mechanism gives you more accurate cursor control and quicker response. Dual-axis trim controls for fine tuning joystick to your game, business and graphics software. Select "spring-centering" or "free-floating" operation. 26-3012 . . . . . Each/39.95



# SUPER-POWERFUL COLOR COMPUTER

**NEW  
FOR '84**

64K Extended BASIC

**399<sup>95</sup>**  
Less TV

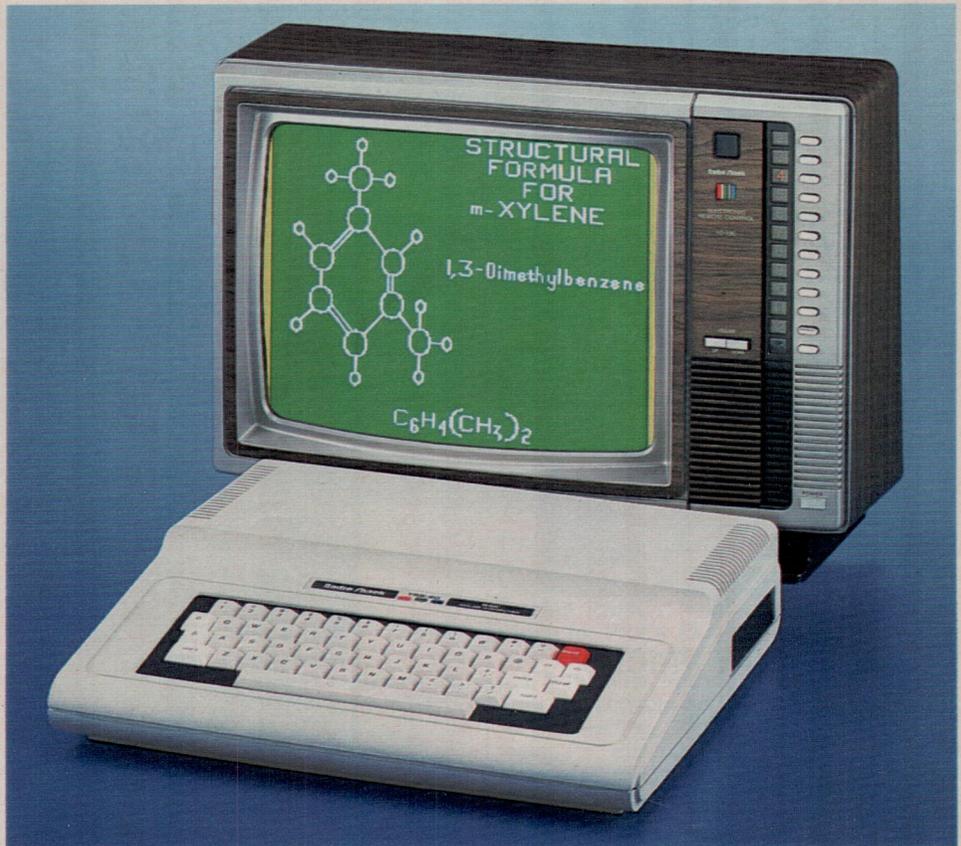
As Low As \$28 Per Month on CitiLine Credit

- 64,000 Characters of Memory
- Attractive White Case With Typewriter-Quality Keyboard
- Easy-to-Use One-Line Commands Simplify Detailed Color Graphics
- 256 x 192 Resolution (49,152 Pixels)

**The Heart of a Sophisticated Disk-Based Color Graphics System.** Double your programming power with our new, low-cost 64K Extended BASIC Color Computer! You'll enjoy creating spectacular color graphics with this truly professional system.

**Dynamic Enhancements.** The 64K Color Computer gives you a compact, white case with a new electric typewriter-quality keyboard. Add our new Color 2 Disk Kit and OS-9 operating system (see page 50) to utilize the full 64,000-character memory. Or access 32K of memory using the powerful, built-in Extended BASIC language.

**Feature-Packed.** Get the features required by the serious programmer. Allows multi-character variable names (two significant), string arrays up to 255 characters, full-featured editing, tracing, floating point 9-digit accuracy, trigonometric functions, user definable keys, specific error messages, and PEEK, POKE and USR commands.



**Easily Expandable.** You can add a printer, plotter, digitizer, graphics tablet, up to four disk drives for greatly increased storage, or a telephone interface for communications.

**64K Extended BASIC Color Computer.** Attaches to any TV set. Includes operator's manual and tutorial manuals on Standard and Extended Color BASIC. U.L. listed. 26-3003 ..... 399.95

## Color Computer Specifications

**Microprocessor:** 6809E 8-bit processor. **Clock Speed:** 0.894 MHz. **Keyboard:** 53 keys, including up, down, right and left arrows, BREAK and CLEAR. **Video Display:** 16 lines of 32 upper case characters. Color graphics capabilities range from 32 x 64 (8 colors) to 192 x 256 (1 color and background color) with 3 intermediate formats. Higher resolutions in the same range are available through machine language. **Extended BASIC or Program Paks:** Output connects to any standard TV set (300 ohms) and includes video and sound. **Memory:** Color BASIC is in 8K ROM. 16K internal dynamic RAM. **Input/Output:** 1500-baud cassette (recorder optional). Connectors for two 2-dimensional joysticks (optional). RS-232C serial I/O port. **Interrupt Timer:** Accessible from

Extended BASIC or machine language only. **Dimensions:** 3 x 10<sup>3</sup>/<sub>16</sub> x 14<sup>3</sup>/<sub>16</sub>" **Power:** 120VAC, 60 Hz, less than 50W.

## Additional Extended BASIC Specifications

**Memory:** Extended Color BASIC is in an additional 8K ROM. 16K or 64K internal dynamic RAM. **Graphics:** Five formats up to 192 x 256. **Commands/Statements:** CIRCLE, CLOADM, COLOR, CSAVEM, DEF FN, DEFUSRn, DEL, DRAW, EDIT, GET, INSTR, LET, LINE, LINE INPUT, MID\$, PAINT, PCLEAR, PCLS, PCOPY, PLAY, PMODE, PRESET, PRINT USING, PSET, PUT, RENUM, SCREEN, TROFF, TRON. **Functions:** ATN, COS, EXP, FIX, HEX\$, LOG, PEEK, POS, PPOINT, STRINGS, SQR, TAN, TIMER, USRn.



**NEW! Multi-Pak Interface.** Now you can connect up to four Program Paks to your Color Computer at once! Connect desks, too, such as a Color Computer disk drive and graphics tablet. When you're ready to change from one Program Pak to another, just move the Interface's selector switch. Or change between slots under program control. U.L. listed. 26-3024 ..... 179.95



**NEW! Deluxe RS-232 Program Pak™.** Low-cost communications package for your Color Computer! Built-in software lets you communicate with major information services like CompuServe® and Dow Jones News/Retrieval®. Communicate with other computers over telephone lines by sending and receiving data and programs. Simply connect a modem to your computer. Frees serial port

to connect an optional printer. Features include programmable baud rate, full or half duplex capability, selectable 7 or 8-bit word length, as well as the ability to transmit and receive BASIC and machine language programs.

26-2226. Avail. 10/30/83 ..... 79.95

## Color Computer Upgrade Kits

**16K RAM Kit.** Converts a 4K Color Computer to 16K. 26-3015 ..... 49.00\*

**64K RAM Kit.** Upgrades your existing Color Computer to 64K RAM. 26-3017 ..... 149.00\*

**New Low Price! Extended Color BASIC ROM Kit.** Upgrades a Color Computer for advanced graphics. Requires 16K. Was \$99.00 in Cat. RSC-9. 26-3018 ..... 79.95\*

**NEW! Low Profile Keyboard Kit.** Fits all previous models. 26-3016 ..... 39.95\*

\*Upgrade kit prices do not include required installation.

# DISK DRIVES FOR COLOR COMPUTER



Disk Operating System is Stored in ROM and Uses Only About 2K of Internal Memory

## NEW LOW PRICES

1st Drive

**399<sup>95</sup>** Was \$599.00 in Cat. RSC-9

As Low As \$28 Per Month on CitiLine Credit

2nd, 3rd, 4th Drives

**279<sup>95</sup>** Each Was \$399.00 in Cat. RSC-9

As Low As \$26 Per Month on CitiLine Credit

- 156,672 Characters of User Storage Per Disk
- Quick and Easy Access to Programs And Data
- Plugs into Computer's Program Pak™ Port or Multi-Pak Interface
- Add Up to Four Drives for a Total of Over 626,000 Characters of Storage



**A Color Computer Enhancement.** Now you can turn your Extended BASIC Color Computer into a complete disk system at an unbelievably low price! With a Color Disk Drive, you get quick and easy access to 156,672 characters of user storage for your program and data files. You'll also be able to use our color disk software.

**Easy Installation.** Simply plug the Color Disk Drive controller Program Pak™ into your Color Computer's cartridge port. The Color Disk Operating System is completely contained in the controller Program Pak, so the full 156K-byte disk capacity is available for on-line storage.

**Everything You Need.** When you purchase your first drive, you get one 5 1/4" double-density, 35-track floppy disk drive, plug-in Program Pak cartridge with cable, one blank 5 1/4" diskette, reference manual and operator's instructions. Included cable allows up to two drives on a system. U.L. listed.

**NEW! Color Computer 2 Disk #0 Kit.** Use with our new Color Computer 2.  
26-3029 ..... 399.95

**Color Disk #1, 2 or 3.** Requires Disk #0.  
26-3023 ..... 279.95

**Color Disk #0 Kit.** For original Color Computer. 26-3022 ..... 399.95

**SPECIFICATIONS.** Drive: 5 1/4" mini floppy disk, 35 tracks, 18 sectors per track, 256 bytes per sector, double-density. **Capacity:** 156,672 user bytes per diskette. **Disk Speed:** 300 rpm. **Seek Time:** 30 milliseconds, track to track. **Data Transfer Rate:** 250K bits/sec. **Dimensions:** 6 1/8 x 3 7/16 x 1 17/8". **Weight:** 8 1/2 lbs. **Power Requirement:** 120VAC, 60 Hz, 36 V-A.

## New 64K Color Computer Programming Languages

### OS-9 Disk Operating System

Our new programming development languages (right) run on OS-9, a real-time operating system that accesses the entire memory of the new 64K Extended Color Computer. OS-9 includes functions for disk and terminal input/output, software memory management and multi-tasking. It contains approximately 40 utility programs used for system and disk file maintenance and control. System programs are written in assembly language, except for some utilities written in the C language.

**OS-9 Organization.** The various system programs can be grouped into four functional areas: system executive for overall management, shell programs that interpret commands from the keyboard, file managers which perform the input/output functions, and device driver programs which adapt OS-9 to the Color Computer's input/output interfaces.

**Editor/Assembler.** Allows development of assembly language applications. The

diskette consists of three programs: text editor, assembler and debugger.

**Text Editor.** Gives you the ability to edit your assembly programs easily. Includes commands to edit single characters, groups of characters, complete lines, or groups of lines. A macro definition facility allows the creation of new edit commands to perform commonly used complex editing functions.

**Assembler.** Converts assembly programs to 6809 microprocessor machine language for execution. The assembler will also produce a formatted program listing and alphabetized symbol table listing. It can also convert compiler-produced programs.

**Debugger.** Designed to facilitate testing of machine language programs. It includes commands to examine, dump, change and test memory; examine, change or initialize registers; insert and/or remove program breakpoints; execute programs; run OS-9 commands; and

evaluate and convert arithmetic expressions in or to binary, hexadecimal or decimal number systems.

**OS-9.** With documentation, reference manual and 5 1/4" diskette.  
26-3030 ..... 69.95

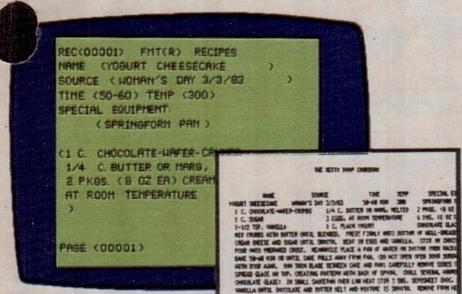
### BASIC-09

An enhanced version of standard BASIC written for the 6809 microprocessor. BASIC-09 includes advanced features derived from PASCAL for structured programming. It uses an interactive compiler that produces compact object programs for high-speed execution.

**Four Major Modes.** BASIC-09's command mode includes instructions for saving, loading and listing programs. In the edit mode, programs are entered or modified—with simultaneous error checking—and compiled. Programs are run in the execution mode, and the debug mode includes commands which allow high-level symbolic testing and debugging of programs.  
26-3036. Available 10/30/83 ..... 99.95

# COLOR COMPUTER DISK SOFTWARE

## Color Profile®



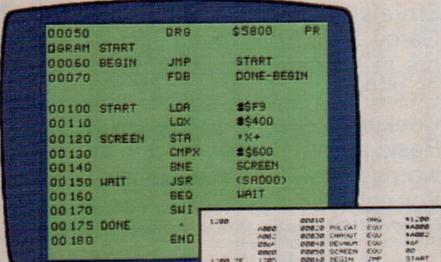
NEW FOR '84

**Includes Powerful Search Facilities**

End those frustrating searches through mounds of paper with your own personalized electronic filing system! Color Profile makes it easy to create and update files for warranties, insurance, taxes, receipts, banking transactions, or any household records you want to keep track of. Store and recall information in seconds by defining up to four primary and four secondary search keys. Create up to 256 data fields. Includes password protection and convenient reallocate facility for easy insertion of new data.

26-3253. Avail. 10/30/83 ..... 59.95

## Color Disk Editor/Assembler

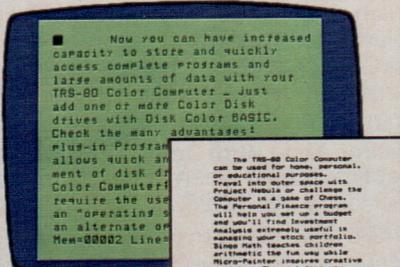


NEW FOR '84

**For More Efficient Programming**

Get the speed and efficiency of machine language programming with Color Disk Editor/Assembler! You can develop your own 6809 program and subroutine files with fast disk access. Save and load editor files to and from diskette for changing and reassembling your programs. A time and memory-saving INCLUDE facility allows source code to be stored in separate files. With INCLUDE statements used in a program, program modules can be called in separately for assembly. Also includes printer output pagination, assembler macro facility with automatic symbol generator, and ZBug for quick and easy testing. 26-3254 ..... 59.95

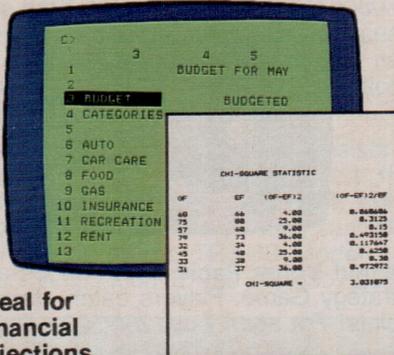
## Color Disk SCRIPSIT®



**Fast, Easy and Powerful Word Processing**

**New Low Price!** An easy-to-use word processing program that offers optional upper/lower case display and background printing. Insert, delete, move and duplicate words, sentences, even whole paragraphs electronically. Was \$59.95 in Cat. RSC-9. 26-3255 ..... 49.95

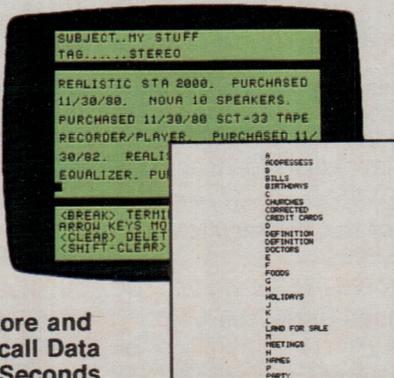
## Disk Spectrator®



**Ideal for Financial Projections**

**New Low Price!** The easy way to do planning and forecasting for various jobs. Enter numbers and formulas and Spectrator will calculate and display the results automatically! Was \$59.95 in Cat. RSC-9. 26-3256 ..... 49.95

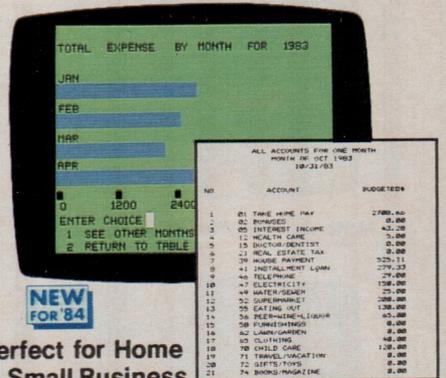
## Disk Personafile



**Store and Recall Data In Seconds**

**New Low Price!** Get fast access to household records. It's a breeze to keep up with home inventories, addresses, medical histories and more. Was \$59.95 in Cat. RSC-9. 26-3260 ..... 49.95

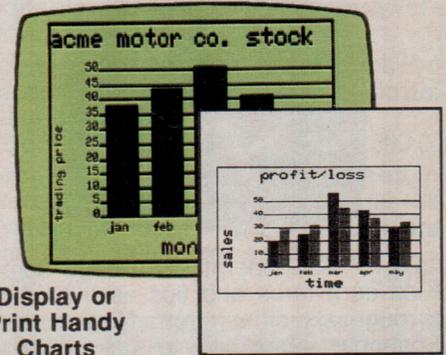
## Cash Budget Management



**Perfect for Home or Small Business**

Maintain your budget and keep track of your cash flow the easy way. Cash Budget Management is based on cash transactions—enter income and expenses using checking, petty cash and savings accounts. Analyze transactions at any time. 26-3261 ..... 49.95

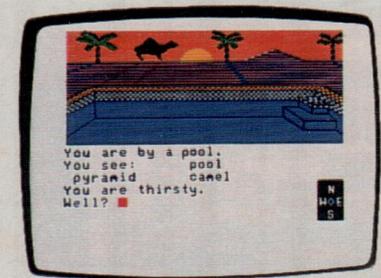
## Color Disk Graphics



**Display or Print Handy Charts**

Create and plot color charts and graphs! Formats include vertical or horizontal bar charts, pie charts and line charts. You can label graph lines with a key legend and save your charts on disk. 26-3251 ..... 49.95

## Sands of Egypt

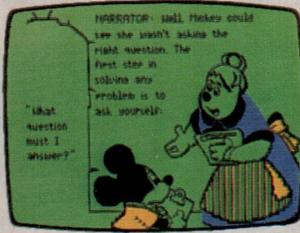


**Combines Strategy with Graphics**

On your perilous search through the Sahara, you see its scorching and mysterious sun, pyramids and still palms. Can you crack the secret of the ancient Tomb of Ra in your allotted number of moves and escape with the desert treasure? 26-3290 ..... 29.95

# LEARN WITH THE COLOR COMPUTER

## New! Learn with Walt Disney's Most Popular Characters



Math Adventures With Mickey



Space Probe: Math

High-resolution screen graphics with displayed text, recorded narration and music. Children get immediate feedback for answers. Includes activities for increasing comprehension.

**Telling Time With Donald.** \*\* Learning to tell time is easy when Donald Duck tutors. For ages 5-8. 26-2530 ..... 34.95

**Problem Solving With Scrooge McDuck.** \*\* Discover the value of estimating with Scrooge McDuck and how to read graphs with Goofy. For ages 9-13. 26-2531 ..... 34.95

**Mickey's World of Writing.** \*\* Youngsters learn sentence structure and basic writing skills with Mickey Mouse. For ages 8-11. 26-2532 ..... 34.95

**Goofy Covers Government.** \*\* Explore our government with Goofy. For ages 10-14. 26-2533 ..... 34.95

**Mickey's Alpine Adventure.** \*\* Learn with Mickey Mouse and Donald Duck about the sounds of vowels and consonants. You'll also learn important spelling rules. For ages 7-9. 26-2534 ..... 34.95

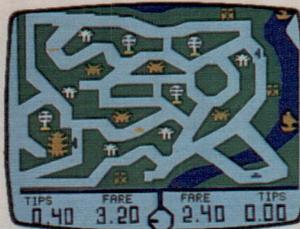
**Math Adventures With Mickey.** \*\* Mickey Mouse and his friends teach effective methods for problem-solving and how to use decimals. For ages 9-13. 26-2535 ..... 34.95

**Space Probe: Reading.** \*\* Outer-space adventure that develops important reading comprehension skills. For ages 10-15. 26-2536 ..... 34.95

**Space Probe: Math.** \*\* In an interstellar atmosphere, youngsters learn about word problems and the concepts of area and perimeter. For ages 7-14. 26-2537 ..... 34.95

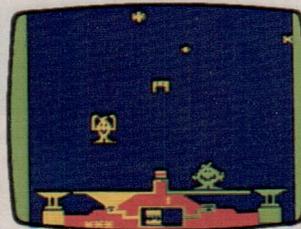
Extended BASIC required. Walt Disney characters are trademarks of Walt Disney, Inc. All rights reserved.

## New! Children's Computer Workshop Series by the Sesame Street® Creators



**Taxi.** \*\*\* A Cooperative Strategy Game. Kids earn fares and tips as they drive through six cities, from New York to Shanghai. Learn how to make change. For ages 7-up. 26-2509 ..... 19.95

**Star Trap.** \*\*\* A Cooperative Strategy Game. Players race through a maze to trap a slippery star before time runs out! For ages 7-up. 26-2510 ..... 19.95



**Peanut Butter Panic.** \*\*\* A Cooperative Strategy Game. Players catch stars for points! For ages 7-up. 26-2523 .. 19.95

**Grover's Number Rover.** \*\* A Basic Skills Game. Grover is counting on you to help him play with numbers! For ages 3-6. 26-2522 ..... 19.95

**Big Bird's Special Delivery.** \*\* A Basic Skills Game. Match pictures to help Big Bird deliver his packages. For ages 3-6. 26-2525 ..... 19.95



**Ernie's Magic Shapes.** \*\* A Basic Skills Game. Help Ernie match shapes and colors in six different ways. For ages 3-6. 26-2524 ..... 19.95

**Cookie Monster's Letter Crunch.** \*\*\* A Basic Skills Game. Match letters and words to feed Cookie Monster cookies. For ages 3-6. 26-2526 ..... 19.95

Extended BASIC required. Muppet characters are trademarks of Muppets, Inc. All rights reserved.

## Educational and Fun

**Color LOGO.** A programming language that helps kids grasp graphic relationships and develop problem solving skills. Learn to program with "turtle graphics"! 26-2722 ..... 49.95

**Color Computer Learning Lab.** \*\* Self-teaching course in Standard Color BASIC. 26-3153 ..... 49.95

**New Low Price! Bingo Math.** \* Three games to make math fun. Was \$29.95 in Cat. RSC-9. 26-3150 ..... 24.95

**New Low Price! Bridge Tutor.** Learn bidding and card playing. Was \$34.95 in Cat. RSC-9. 26-3158 ..... 24.95

**Crosswords.** Two fun word games for age! 26-3082 ..... 24.95

**New Low Price! Robot Battle.** You program the robots for battle! Was \$39.95 in Cat. RSC-9. 26-3070 ..... 29.95

**NEW! Atom.** Place the electrons in orbit! 26-3149 ..... 19.95

## Skill Development in Reading and Vocabulary

### An Entertaining Way to Learn at Home



**Fun With Reading.** Each package includes an illustrated reader, a read-along cassette tape, and a computer tape with spelling and vocabulary exercises with immediate feedback. For grades 4-6.

**Dracula.** \*\* 26-2550 ..... 19.95

**The Hound of the Baskervilles.** \*\* 26-2551 ..... 19.95

**Moby Dick.** \*\* 26-2552 ..... 19.95

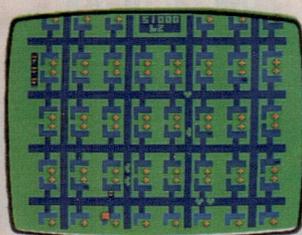
**20,000 Leagues Under the Sea.** \*\* 26-2553 ..... 19.95

**Vocabulary Tutor.** Match words with their definitions and place words in the appropriate sentences. Grades 3-5.

**Vocabulary Tutor 1.** \*\* 26-2568 ..... 8.95

**Vocabulary Tutor 2.** \*\* 26-2569 ..... 8.95

# EXCITING COLOR COMPUTER GAMES



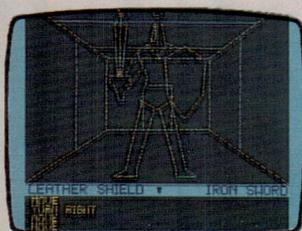
**New Low Price! Poltergeist.** Based on the Steven Spielberg movie! Find clues to destroy the poltergeist. Was \$34.95 in Cat. RSC-9. 26-3073 ..... 29.95

**New Low Price! Space Assault.\*** Eliminate invaders to score points. Protect yourself or you're zapped. Was \$29.95 in Cat. RSC-9. 26-3060 ..... 24.95

**New Low Price! Galactic Attack.\*** Test your survival skills against increasingly difficult alien attacks. Was \$29.95 in Cat. RSC-9. 26-3088 ..... 24.95

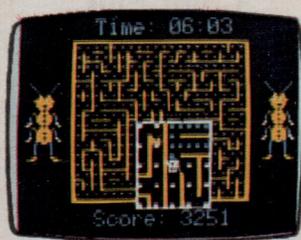
**New Low Price! Tennis.\*** Hone your tennis skills against the computer or another player. Was \$29.95 in Cat. RSC-9. 26-3080 ..... 24.95

**Shooting Gallery.\*** Hit the moving targets for points in this carnival atmosphere. There are plenty of surprises! 26-3088 ..... 29.95



**NEW! Dungeons of Daggorath™.\*** You're pitted against a succession of awesome beasts. Each victory brings you closer to your ultimate opponent—the evil wizard! 26-3093 ..... 29.95

**New Low Price! Double Back.\*** As you "double back" to catch your own tail, try to encircle the "safe" screen objects to gain points in this tricky game. Was \$24.95 in Cat. RSC-9. 26-3091 .. 19.95



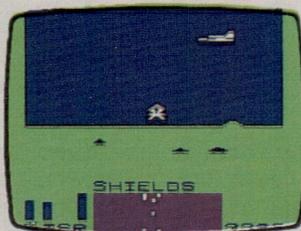
**New Low Price! Mega-Bug.\*** A maze of fun! Try to lose the little "buggers" hot on your trail. Was \$34.95 in Cat. RSC-9. 26-3076 ..... 29.95

**Project Nebula.\*** Prepare for thrilling "dog fights" as you travel through space! Seek out and do battle with enemy vessels. 26-3063 ..... 39.95

**NEW! Gomoku and Renju.** Classic Oriental game of strategy! Requires placing five men in a row. A challenge that can take hours! 26-3069 ..... 19.95

**Microbes.** Disinfect against nasty bacteria. Watch out for "X factor"—it could spray antibodies at you! Joysticks optional. 26-3085 ..... 24.95

**Popcorn.\*** Catch the falling rows of popcorn with your frying pans. Miss one and you lose a pan. Catch them all and get a bonus pan. 26-3090 ..... 24.95



**NEW! Star Blaze.\*** Protect the Milky Way! Radar indicates menacing vessels nearby. Seek, destroy and check radar again. Red Alert! There's no letup in the excitement. 26-3094 ..... 19.95

**Chess.** 26-3050 ..... 34.95

**New Low Price! Super Bustout.** Was \$29.95 in Cat. RSC-9. 26-3056 .. 24.95

**Dino Wars.** 26-3057 ..... 29.95

**Skiing.** 26-3058 ..... 29.95



**Canyon Climber.\*** As a cliff hanger, you're challenged by one test after another—kicking goats, zinging arrows and falling objects! 26-3089 ..... 34.95

**New Low Price! Polaris.\*** Defend your islands against smart bombs and multiple warhead missiles. Was \$29.95 in Cat. RSC-9. 26-3065 ..... 24.95

**Roman Checkers.** The classic game of strategic placement. Save games on tape with optional cassette recorder. Joysticks optional. 26-3071 ..... 29.95

**New Low Price! Castle Guard.\*** Defend your castle from the giant fireball using Merlin's magical pikes. Was \$29.95 in Cat. RSC-9. 26-3079 ..... 24.95

**Clowns and Balloons.\*** Bounce the clown with your net to pop the balloons overhead! Be careful—don't let the clown hit the ground! 26-3087 ... 29.95



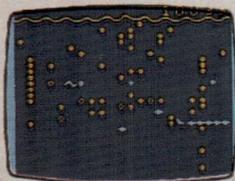
**NEW! Baseball.** You're in full control of this realistic game! 26-3095 ... 24.95

**New Low Price! Color Backgammon.** Was \$19.95 in Cat. RSC-9. 26-3059 ..... 17.95

**New Low Price! Wildcatting.** Was \$29.95 in Cat. RSC-9. 26-3067 .. 24.95

**Color Cubes.** 26-3075 ..... 29.95

**New Low Price! Gin Champion.** Was \$34.95 in Cat. RSC-9. 26-3083 .. 29.95



**NEW! Slay the Nerius.\*** Defend your subs against deadly starfish and the ancient seaworm—the Nerius. 26-3086 ..... 24.95



**NEW! Reactoids.\*** Melt-down at a fusion reactor! Take control of the reactoid to contain the atoms. 26-3092 ..... 19.95

## Cassette Game Software for Your Color Computer



**Pyramid.\*\*** Explore unknown passages for treasure! 26-3310 ..... 14.95

**Raaka-Tu™.\*\*** Venture into a temple of a lost world. 26-3311 ..... 14.95

**Bedlam.\*\*** Can you escape from the asylum? 26-3312 ..... 14.95

**Madness and the Minotaur.\*\*** Search for riches. 26-3313 ..... 14.95

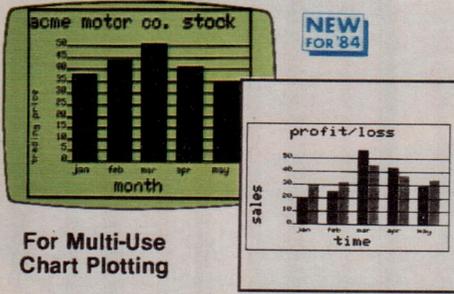
**NEW! Klendathu.\*\*** Destroy deadly invaders. 26-2567 ..... 14.95

**Card Games.\*\*** 26-3320 ..... 19.95

\*Joysticks required. \*\*Cassette recorder required.

# COLOR COMPUTER PROGRAM PAKS

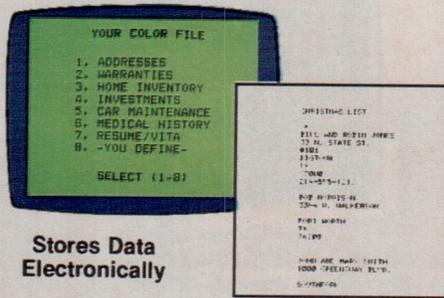
## Graphics Pack



For Multi-Use Chart Plotting

Easily create and plot a variety of charts and graphs! Display them on your screen in color, or print them using an optional graphics printer. Chart formats include vertical or horizontal bar charts, pie charts and line charts. And you can label the lines used on your graphs with a key "legend". Save your charts on cassette tapes with an optional cassette recorder. 26-3157 ..... 39.95

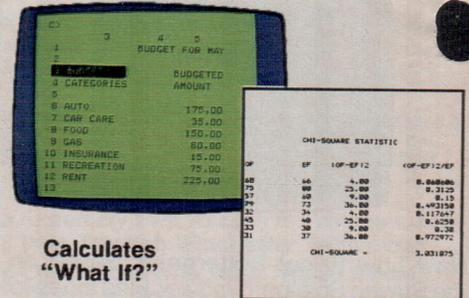
## Color File



Stores Data Electronically

**New Low Price!** Color File lets you quickly and easily store, retrieve and use various types of important data, such as addresses, warranties and personal records. Easily alphabetize, select, examine, print, change and save your information. Seven ready-to-use files—or create your own. Requires cassette recorder. Was \$29.95 in Cat. RSC-9. 26-3103 ..... 24.95

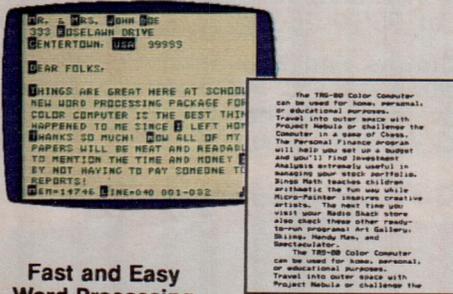
## Spectaculator



Calculates "What If?"

**New Low Price!** Do your planning, forecasting and problem-solving with this "electronic spreadsheet." Just enter numbers and formulas, and Spectaculator will calculate and display the results automatically. Enter new figures and it updates all related numbers. Up to 99 rows and columns. Recorder recommended. Was \$39.95 in Cat. RSC-9. 26-3104 ..... 34.95

## Color SCRIPSIT®



Fast and Easy Word Processing

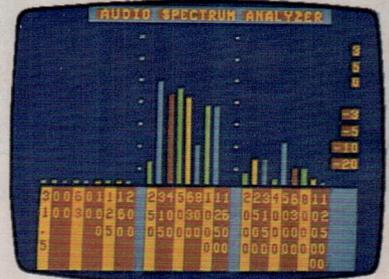
**New Low Price!** No more erasing or using correction fluid. Type and edit your letters, themes and reports right on the screen. Insert, delete, move and duplicate words, sentences, even whole paragraphs. Text can be saved on tape (recorder optional) or printed "correction-free" with optional printer (outputs upper and lower case). Was \$39.95 in Cat. RSC-9. 26-3105 ..... 34.95

## Micropainter



**New Low Price!** An electronic "coloring book"! Great fun for the whole family! Load a picture into the computer and "paint" what appears on the video screen! Three palettes, each with four colors. Save results on tape with optional cassette recorder. With eight pictures (more available). Joysticks are optional. Was \$39.95 in Cat. RSC-9. 26-3077 ..... 34.95

## Audio Spectrum Analyzer



The perfect way for the hi-fi enthusiast to test stereo equipment for maximum performance! Color bar graphs show the power distribution over nine full octaves in 1/3 octave segments from 31.5 to 12,500 Hz. Or enjoy the colorful visual patterns that change with the music. Requires cable (26-1207), which attaches to cassette output of amplifier. 26-3156 ..... 14.95

## Diagnostic ROM

Make sure your TRS-80 Color Computer is in top shape with this diagnostic program. You can test BASIC and Expansion ROM, RAM, video, RS-232, cassette and printer ports, sound and keyboard. Optional equipment may be required. 26-3019 ..... 19.95

## Art Gallery

Draw landscapes, seascapes, still lifes, cartoons and more using superb graphics with up to eight colors. Save results on tape with an optional cassette recorder. With 27 images (more available). Joysticks (optional) can be used as brushes. 26-3061 ..... 39.95

## Handyman

Embarking on a home improvements program or lawn project? Just feed in the measurements and Handyman will tell you how much lumber, paint, insulation, fertilizer, sand, gravel, etc. you'll need. Handyman helps you compare prices, too! 26-3154 ..... 29.95

## Editor/Assembler

Develop 6809 software programs or sub-routines. You get trial assembly of object code and execution of your program in-memory before final assembly to tape, an editor that enables you to change your program and reassemble, and ZBug for quick and easy testing. Requires 16K. 26-3250 ..... 49.95

## New! Color Compac

Cassette-based program features the software to configure your Color Computer's serial port for communication. Access major data bases, plus transmit and receive BASIC programs and machine language routines by phone (requires modem and cable). Requires cassette recorder. 26-3330 ..... 29.95

## New! Personal Finance II

Set up a budget to see where all your money is going! Learn where to correct bad financial habits. Features 26 major expense categories: auto, gas, clothing, food, retirement, more. Review expenditures on a year-to-date or category basis. Includes printouts and graphs. 26-3106. Available 11/30/83 ..... 34.95

# GET YOUR START IN COLOR COMPUTING

Compact Color Computer—  
Ideal for Beginners!

**NEW  
FOR '84**

**119<sup>95</sup>**

- Eight Colors ■ Attaches to Any TV
- 255 Tones for Great Sound Effects
- 4K Memory—Expandable to 20K
- Easy-to-Use Micro BASIC Commands
- Measures 2 x 7 x 8 1/2"

**TRS-80 Micro Color Computer Model MC-10.** The easy and affordable way to join the "computer revolution"! Just attach the MC-10 to any television and you're all set. Learn to write your own programs with color and sound using our excellent tutorial manual (included). Or use programs from our growing library of ready-to-run MC-10 cassette software for entertainment or education. Produce graphics characters with just two key-strokes. Enter BASIC commands using multi-purpose keys. The MC-10 features a standard typewriter-style keyboard—not a flat, plastic overlay. Displays 16 lines of 32 upper case characters with reverse video capability. The MC-10 has a cassette port that lets you use an optional cassette recorder to save and load programs and data, and an RS-232C serial interface to connect a printer or modem. U.L. listed. 26-3011 ..... 119.95



## 16K RAM Module

Write larger, more complex programs on your MC-10. Slip the 16K RAM Module into the slot located on the back of the computer for an additional 16,000 characters of program and data space—20,000 characters total. 26-3013 ..... 49.95

## MC-10 Specifications

**Microprocessor:** 6803 8-bit. **Keyboard:** 47-key typewriter-style, with Break, Control and 16 graphics keys. Multi-function keys for BASIC commands. **Video Display:** 16 lines of 32 upper case characters. Output connects to any standard TV set (300 ohms) and includes video and sound. **Memory:** 4K RAM, expandable to 20K. **Input/Output:** 1500-baud cassette (recorder optional), RS-232C serial I/O port. **Dimensions:** 2 x 7 x 8 1/2". **Weight:** 29 1/2 ounces. **Power:** 120 VAC, 60 Hz, 16W.

## New! Ready-to-Run Cassette Software for the TRS-80 Micro Color Computer

**Micro Color Checkers.** Try your skill against the computer's in this all-time favorite! 26-3360 ..... 8.95

**Micro Color Games Pak.** Play Lunar Lander, Breakout, Hangman and Pong! Fun for the whole family. 26-3361 .... 9.95

**Micro Color Math/Design Package.** Perform math functions and plot graphics. A great learning aid. 26-3362 ..... 9.95

**Micro Color Pinball.** Great arcade-style action and excitement! Requires 16K RAM Module. 26-3363 ..... 9.95

**Micro Compac.** Configure your MC-10's serial port for communications. Access major news and financial data bases, such as CompuServe® and Dow Jones News/Retrieval® for the most up-to-date information (requires optional modem and cable). 26-3350 ..... 29.95

## Low-Cost, Thermal Matrix Printer With Graphics

**NEW  
FOR '84**

**99<sup>95</sup>**

- Ideal for Use With the MC-10
- Prints Graphics and Alphanumerics
- Whisper Quiet ■ Measures 3 x 8 x 5"

**TP-10 Thermal Printer.** Prints 32 characters per line at 30 characters per second on 4 1/8"-wide thermal paper. Features include elongation mode for expanded print and a special repeat function to make graphics programming easier. Color Computer-compatible serial interface (600 baud). U.L. listed. 26-1261 ..... 99.95

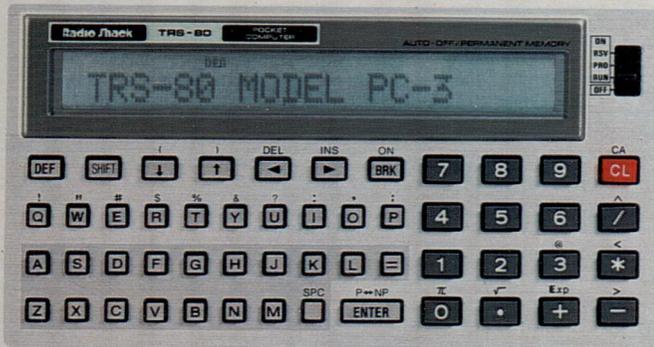
**Paper.** 4 1/8"-wide thermal. 26-1332 ..... Pkg. of 2/3.95

**SPECIFICATIONS.** Character Set: 94 ASCII, 16 graphics. Pitch: 10, 5 cpi. Line Spacing: 1/6 inch. Dimensions: 3 x 8 x 5". Weight: 3 1/4 lbs. Power: 120VAC, 60 Hz.



# NEW TRS-80 POCKET COMPUTERS

Get the Right Solution Quickly With PC-3



**NEW FOR '84**

**99<sup>95</sup>**

- Programmable in Easy-to-Learn BASIC
- Ready-to-Run Software Available
- 16 Arithmetic and 8 String Functions
- 10-Digit Accuracy ■ 1.4K Memory
- Measures  $\frac{3}{8} \times 5\frac{5}{16} \times 2\frac{3}{4}$ " ■ Weighs 4 Oz.

**TRS-80 Pocket Computer Model PC-3.** A computer so small it fits in pocket or purse! Program PC-3 to solve tough problems, or use our ready-to-run software (requires interface and recorder). Use strings of up to seven characters. Features 24-character LCD, two-digit exponents, multiple statements, arrays, edit and trace. Statement compaction squeezes memory space. Automatic power-off saves battery life. Comes with batteries and manual. 26-3590 . . . 99.95

## PC-3 Printer/Cassette Interface



Shown with PC-3 (not included)

**NEW FOR '84**

**119<sup>95</sup>**

- Quality Printing on Thermal Paper
- Loads and Stores Programs on Tape
- Includes Rechargeable Batteries and Charger

**PC-3 Printer/Cassette Interface.** Get the most from your PC-3 with our new thermal dot printer and cassette interface! Provides hard copy, plus lets you save programs on ordinary cassette tapes (requires recorder). Prints 24 characters per line at one line per second, with wrap-around. Slip PC-3 into the Printer/Cassette Interface and you're ready to go! Includes U.L. listed AC adapter/charger, paper, cable and manual. 26-3591 . . . 119.95

**PC-3 Thermal Paper.** 2 1/4" wide. 26-3592 . . . Pkg. of 5/2.49

## Choose from Our Library of Ready-to-Run Software for the PC-3 Pocket Computer

<b>Personal Finance.</b> 26-3518 . . . . . 19.95	<b>Surveying.</b> 26-3512 . . . . . 29.95	<b>Engineering Math II.</b> 26-3526 . . . . . 14.95	<b>Games II.</b> 26-3523 . . . . . 14.95
<b>Business Finance.</b> 26-3517 . . . . . 19.95	<b>Aviation.</b> 26-3513 . . . . . 24.95	<b>Engineering Math III.</b> 26-3527 . . . . . 10.95	<b>Calendars.</b> 26-3529 . . . . . 19.95
<b>Business Statistics.</b> 26-3516 . . . . . 19.95	<b>Electrical Engineering I.</b> 26-3520 . . . . . 24.95	<b>Engineering Math IV.</b> 26-3528 . . . . . 7.95	<b>Horse Race Analyst.</b> 26-3530 . . . . .
<b>Statistical Analysis.</b> 26-3522 . . . . . 24.95	<b>Engineering Math I.</b> 26-3525 . . . . . 14.95	<b>Math Drill.</b> 26-3514 . . . . . 14.95	<b>Banners.</b> 26-3531 . . . . .
<b>Real Estate Analysis.</b> 26-3510 . . . . . 24.95		<b>Games I.</b> 26-3515 . . . . . 14.95	<b>Golf Scoring.</b> 26-3532 . . . . . 14.95
<b>Civil Engineering.</b> 26-3511 . . . . . 24.95			

## Get This Completely Portable TRS-80 Pocket Computer System for Under \$190



**NEW FOR '84**

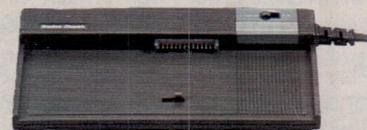
**69<sup>95</sup>**

- Measures  $\frac{3}{8} \times 6\frac{1}{2} \times 2\frac{3}{4}$ "
- Expandable 544-Character Memory

**TRS-80 Pocket Computer Model PC-4.** Our lowest-priced pocket computer ever! You can maintain up to 10 programs in memory or combine the programming area to allow longer programs. Each program can be identified with a single-key label and run simply by pressing the specified key. PC-4's BASIC includes 23 commands, 15 functions and 10-digit numeric accuracy. Use just two keystrokes to enter up to 16 common commands, such as LIST and GOSUB. Programs can accept words as data (strings up to 30 characters). Edit and Debug modes make the PC-4 much easier to program than a programmable calculator. The typewriter-style keyboard includes 53 alphabetic keys and a 10-key numeric datapad. The big 12-character LCD scrolls to 62 characters. Functions include trig and inverse trig, radians or gradians, log, exponent, square root, angular conversions and absolute values. With batteries and manual. 26-3650 . . 69.95

**SPECIFICATIONS. Microprocessor:** Custom CMOS VLSI. **Keyboard:** 53 triple-mode upper/lower case alphabetic keys, 10-key numeric datapad. **Display:** 12-character alphanumeric LCD. Lines up to 62 characters. Manual playback of lines longer than 12 characters. **Character Style:** 7 x 5 dot matrix ASCII. **Memory:** 544 program steps, expandable to 1568 with optional plug-in 1K RAM module. **String Handling Ability:** LEN, MID, VAL with strings up to 30 characters in length. **Input/Output:** Expandable with cassette interface and/or printer through 12-pin connector. **Power Requirements:** 2 lithium batteries.

## Peripherals to Complete Your PC-4 System

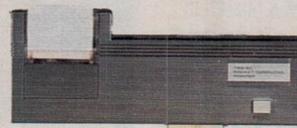


**TRS-80 PC-4 Cassette Interface**

**NEW FOR '84**

**39<sup>95</sup>**

**PC-4 Cassette Interface.** Store and load programs at 300 baud using an optional cassette recorder. Plugs into rear of PC-4. Weighs 8 1/2 oz., including batteries. Requires two "AA" alkaline batteries. 26-3651 . . . . . 39.95



**TRS-80 PC-4 Printer**

**NEW FOR '84**

**79<sup>95</sup>**

**PC-4 Printer.** Operates under control of PC-4 to print out programs and data at 20 characters per line (60 lpm) in an electro-thermal 5 x 7 dot matrix. Includes rechargeable batteries and U.L. listed AC adapter/charger. 26-3652 . . . . . 79.95

**PC-4 Thermal Paper.** 65-711 . . . . . Pkg. of 5/2.19



**1K RAM Module.** Triples the memory of your PC-4 for an additional 1024 characters of program and power. Inserts within PC-4. Only one module may be used. 26-3653 . . . . . 19.95

**Carrying Case.** Custom padded vinyl case protects your PC-4, printer and cassette interface wherever you go. Zippered opening. Pocket for AC adapter/charger. 26-3654 . . . . . 7.95



# GET BIG COMPUTER POWER WITH PC-2

Its Power and Speed Rivals  
Many Desktop Micros!

**199<sup>95</sup>**

Our Best  
"Pocketable"  
TRS-80!

- 1<sup>1</sup>/<sub>16</sub> × 7<sup>1</sup>/<sub>16</sub> × 3<sup>3</sup>/<sub>8</sub>" ■ Weighs 14 Oz.
- Programmable in Extended BASIC
- Expandable 2640-Character Memory
- Addressable 7 × 156 Dot-Matrix LCD for Graphics and ASCII Characters
- Built-In Real-Time Quartz Clock
- Retains Programs and Data When Off
- Ready-to-Run Software Available



**TRS-80 Pocket Computer Model PC-2.** This versatile portable computer is perfect for students, engineers, business people, scientists—anyone with problems to solve on the go! Simply add our Printer/Plotter/Interface and a cassette recorder and choose from a variety of ready-to-run software—or you can program the PC-2 yourself. Our Extended Pocket BASIC features 42 statements, with 34 built-in functions. It gives you two-dimension arrays, variable length character strings with extensive string handling, formatted printing and more. And it's upward compatible with our original Pocket BASIC, so many PC-1 programs can be keyed-in and run on the PC-2. The 26-character Liquid Crystal Display is fully dot-programmable for graphics over its complete 7 × 156 dot matrix. The 65-key keyboard features a typewriter layout and 10-key datapad with 18 programmable functions and 18 user-definable label keys. Built-in real-time clock is accessible from BASIC or the keyboard. There's even a programmable variable tone beeper. Requires 4 "AA" batteries. 26-3601 . . . . . 199.95

**SPECIFICATIONS. Microprocessor:** 8-bit custom CMOS. 1.3 MHz internal cycle time. **Keyboard:** 65 alphanumeric keys, including 6 programmable function keys for each of 3 Reserve modes, 18 "soft-keys" and 10 pre-programmed command keys. **Display:** 26-character alphanumeric LCD. Automatic scrolling, plus manual playback of lines longer than 26 characters. **Character Style:** 7 × 5 dot matrix ASCII upper and lower case. **Memory:** 16K bytes ROM, 1850 bytes BASIC and data RAM, 600 bytes fixed data memory and 190 bytes reserve memory. **String Handling Ability:** LEFTS, MIDS, RIGHTS, LEN, VAL, CHR\$, and STR\$. Dimensionable from 1 to 80 characters in 2-dimension arrays. **Input/Output:** All address and data lines, power, timing and control signals accessible via 60-pin connector.

## Plot Superb Color Graphics and Store Your Data

**219<sup>95</sup>**

A "Must" for  
Your PC-2

- Easy Plotting of Full XY-Axis Graphics With 25 Special BASIC Commands
- Prints Graphics and Alphanumerics in Red, Blue, Green and Black
- Store and Load Programs and Data Using One or Two Cassette Recorders
- Uses Replaceable Ballpoint Mini-Pens



Shown with PC-2 (not included)

### Printer Accessories

- Replacement Pens.** 3 black. 26-1480 . . 2.95
- Replacement Pens.** 1 each: red, blue, green. 26-1481 . . . . . 2.95
- Printer Paper.** Cash register-type. 2<sup>1</sup>/<sub>4</sub>" wide. 26-3606 . . . . . 6 rolls/2.49

**PC-2 Printer/Plotter/Dual Cassette Interface.** Print superbly-detailed 256 × 4096 XY four-color graphics. Read data in from one cassette, update and store it on a second cassette automatically under program control. Includes U.L. listed AC adapter/charger, paper, pens, cassette cables, manual. 26-3605 . . . . . 219.95

**SPECIFICATIONS. Alphanumeric Printing:** Upper and lower case in four colors. Nine column widths (4 to 36 cpl) with wrap-around. **Print Speed:** 11 cps, average. **Graphics/Plotter Printing:** 256 × 4096 color graphics. Controlled by BASIC. 2-dimension axes. **Paper:** 2<sup>1</sup>/<sub>4</sub>". **Power:** Built-in rechargeable nickel-cadmium battery and U.L. listed AC adapter/charger—both will also power PC-2. **Battery Capacity:** Approx. 1100 printed lines. Charging time 15 hours. **Dimensions:** 2<sup>1</sup>/<sub>16</sub> × 12<sup>5</sup>/<sub>16</sub> × 4<sup>1</sup>/<sub>2</sub>". **Weight:** 28 oz.

## Powerful Accessories and Ready-to-Run Programs Extend Your PC-2's Versatility

### RS-232C Interface

**199<sup>95</sup>**

- Access Major Data Networks
- Built-In Terminal Program in ROM

**RS-232C Interface for PC-2.** Allows your PC-2 to use most RS-232 devices. It's programmable from 50 to 2400 baud, and plugs directly into the PC-2 or the Printer/Plotter/Interface. New commands added to PC-2 BASIC make program control easy, and a built-in communications program lets you access services like Dow Jones News/Retrieval® and CompuServe® (requires modem and cable). Includes built-in rechargeable batteries and U.L. listed adapter/charger. 2 × 3<sup>3</sup>/<sub>8</sub> × 4<sup>1</sup>/<sub>2</sub>". 26-3612 . . . . . 199.95



### Getting Started on the PC-2

This easy-to-read tutorial manual covers commands and programming tips for the PC-2 and the Printer/Plotter/Interface. 26-3620 . . . . . 12.95

### Padded Vinyl Carrying Case

Protect your PC-2 system! Holds Printer (with PC-2 installed) and AC adapter/charger, plus pens, paper, etc. 26-3608 . . . . . 29.95



### 4K and 8K RAM Modules

For larger programs. Plugs into recessed port on back of PC-2. Modules not expandable.

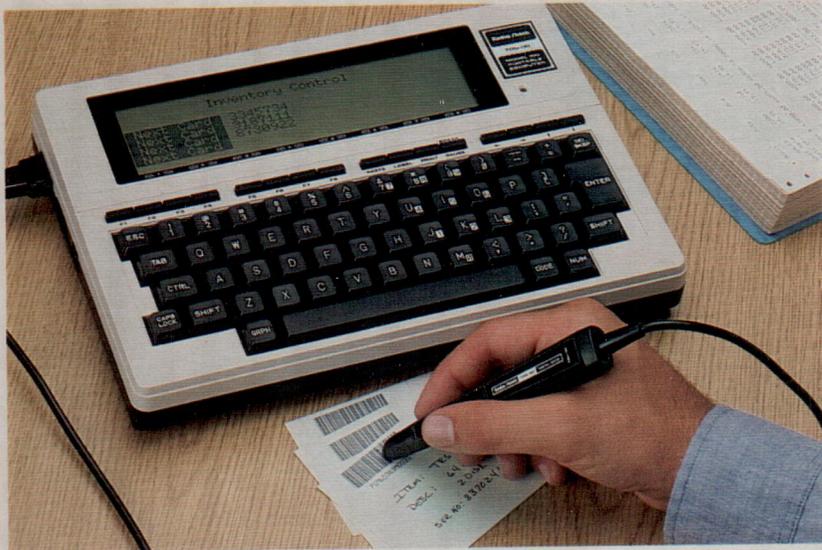
- 4K.** 26-3615 . . . . . 69.95
- 8K.** 26-3616 . . . . . 139.95



### Ready-to-Run PC-2 Software

- Personal Finance.** 26-3700 . . . . . 19.95
- Business Finance.** 26-3703 . . . . . 19.95
- Games Pak.** 26-3702 . . . . . 14.95
- Invasion Force.** (4K RAM module required.) 26-3705 . . . . . 9.95
- Math Pak I.** 26-3709 . . . . . 14.95
- Math Pak II.** 26-3710 . . . . . 14.95
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- NEW! Chemistry Math.** 26-3708 . . . . . 14.95
- NEW! Investment Analysis.** 26-3712 . . . . . 49.95

# GET THE MOST FROM YOUR MODEL 100



## Easy-to-Use Bar Code Reader

**NEW FOR '84**

**99<sup>95</sup>**

Includes Software

- Compatible With the Universal Product Code And Other Popular Formats
- Reads Selectable Product-Marking Codes That Are Either Lithographed or Computer-Printed

**Model 100 Bar Code Reader.** This optical scanning device is expressly for the Model 100 and is ideal for such tasks as billing, couponing and retail-item control. The pen-like wand simply plugs into Model 100's standard bar code reader interface. Software drivers callable from BASIC allow the Model 100 to read the Universal Product Code, 3 of 9, or NATI bar code formats. Bar code wand contains "soft-touch" push-button switch to conserve power when not in use. 26-1183. Available 11/30/83 ..... 99.95

## Ready-to-Run Software and Handy Accessories for the Model 100



### Model 100 BASIC Language Lab

**29<sup>95</sup>** Provides a Complete and Easy-to-Understand Tutorial

This comprehensive guide helps you learn Model 100's powerful Microsoft® BASIC in an easy-to-use tutorial style. In addition to teaching BASIC commands and the process of writing programs, the BASIC Language Lab covers other related areas such as redefining function keys F1-F8, automatic execution of BASIC programs, and using Model 100's graphic and sound capabilities. BASIC Language Lab provides complete examples of each new concept presented. Includes a cassette tape with three sample programs for further illustration. 26-3821 ..... 29.95

### Decision-Making with Investment Analysis

**69<sup>95</sup>** Optimize Your Investment Decisions with this Package of Three Programs

Compute yield to maturity, discount and more with the bonds analysis program. The options trading program charts and graphically displays the effects of various strategies such as Bull or Bear Spreads. And you can compute discounted or non-discounted commissions with the stock commissioning program. 26-3824. (Available 10/30/83) ..... 69.95

### Track Your Money Flow with Personal Finance

**19<sup>95</sup>** Electronically Keeps Track of Your Money with Complete Accuracy

Set up a budget to see where all your money is going. Personal Finance gives you six comprehensive programs designed to assist you in managing your money. By setting budgets for various account categories of your choice, you simply enter monthly expenses into the appropriate categories. Then compare your budgeted figures to the category expense totals which are presented in a report format. In addition, Personal Finance includes a complete checkbook system that will reconcile monthly statements. You can also keep track of and provide reports on your savings account. 26-3822 ..... 19.95

### Statistics for Comprehensive Analysis of Data

**29<sup>95</sup>** Uses Data Files Stored in Model 100's Memory or on Cassette Tape

Get the statistical information you need! Statistics generates reports for descriptive statistics, frequency distribution and histogram, correlation and regression, time series analysis, multiple regression and one-way and two-way analysis of variance. Includes thorough manual with examples. 26-3825. (Available 10/30/83) ..... 29.95

### Model 100 System Briefcase



**49<sup>95</sup>**

Attractive and Lightweight Carrying Case

This compact briefcase provides plenty of room for your TRS-80 Model 100, CCR-81 Cassette Recorder and cables. 20 x 14 x 4". 26-3809 ..... 49.95

**8K RAM Expansion.** Add 8000 characters of memory. Up to three memory modules may be installed to give you a 32K Model 100. Installation required (not included). 26-3816 ..... 119.95

**AC Adapter.** Conserves battery power while at the office or at home. U.L. listed. 26-3804 ..... 5.95

### Be Prepared with a Model 100 Acoustic Coupler



**39<sup>95</sup>**

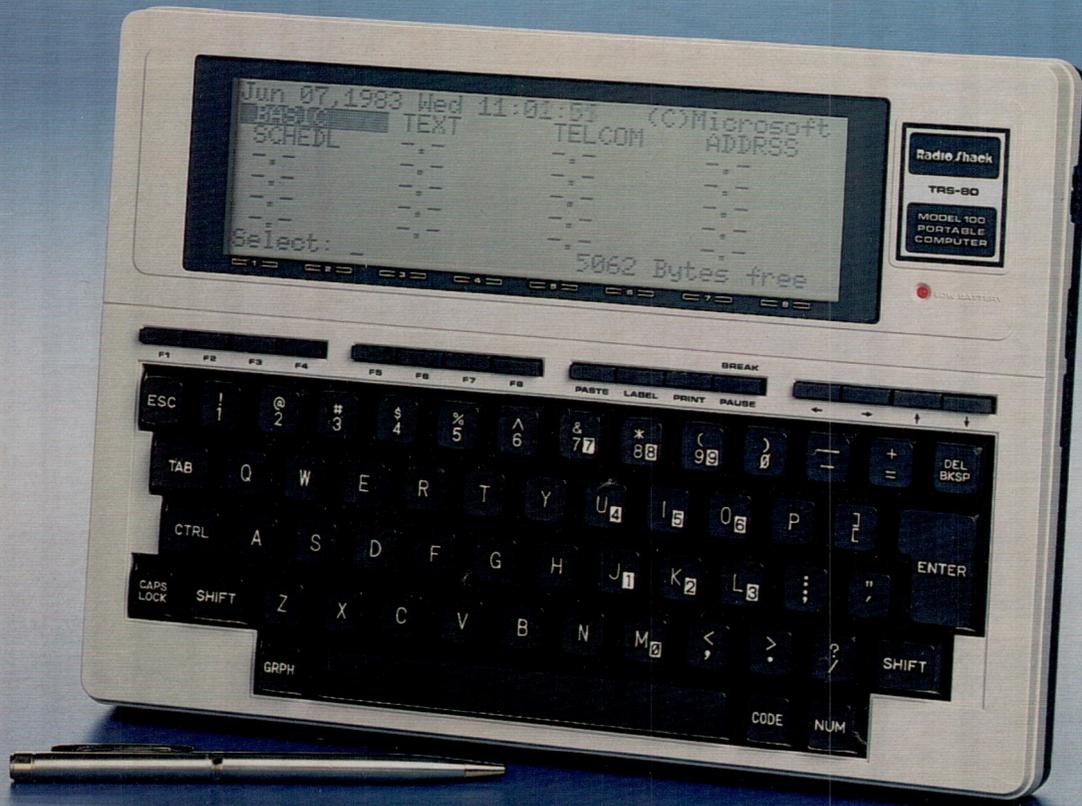
A "Must" for Any Traveler

Connects your Model 100 to a telephone handset when direct connection to a modular phone jack is not possible. 26-3805 ..... 39.95

**Direct-Connect Modem Cable.** Connects Model 100 to a modular phone jack. Includes one free hour (non-prime time) on CompuServe and Dow Jones News/Retrieval. 26-1410 ..... 19.95

**Parallel Printer Cable.** Connects Model 100 to any Radio Shack parallel printer. 26-1409 ..... 14.95

# THE MICRO EXECUTIVE WORKSTATION™



**NEW FOR '84**

8K Model 100  
**799<sup>00</sup>**

As Low As \$45 Per Month  
On CitiLine Credit

24K Model 100  
**999<sup>00</sup>**

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- Five Built-In Executive Management Programs
- Weighs Less than 4 lbs.
- Full-Size Typewriter Keyboard
- Self-Contained Direct-Connect Modem
- 8-Line by 40-Character Liquid Crystal Display
- Memory Expands to 32K

**TRS-80® Model 100.** So small it'll fit in your in-basket! The Model 100 is a true portable since it runs on batteries or optional AC adapter. And with its five built-in programs, Model 100 is truly revolutionary. Produce correction-free memos, letters and reports with the personal word processing program, TEXT. Editing functions include finding, duplicating, deleting and moving text. With an optional printer, you can print any of your files in selectable widths (up to 132 columns) without splitting words. SCHEDL turns the Model 100 into a mini-database for appointments, expenses, and "to-do's." And file away names, addresses and phone numbers with ADDRSS.

## Who is the Model 100 for?

This portable computer provides a convenient workstation for executives, managers, researchers, students—anyone who wants immediate computing power wherever they go. Model 100's compact size, five built-in programs and expansion options give it the versatility to be used at your desk, in the field or on the road. And with the built-in BASIC, you can write programs for your other applications.

**More Built-In Features.** With its TELCOM program and built-in auto-dial modem, Model 100 can be used as a terminal for computer-to-computer communications or to access information services like Dow Jones News/Retrieval® or CompuServe®. There's even a program to automatically dial your phone! Programmers will love Model 100's Microsoft® BASIC—an enhanced version of our popular Model III BASIC. You get full string handling, complete file operations, multi-dimension arrays, 14-digit double-precision math operations and more. Separate internal nickel-cadmium batteries retain memory data with power off.

**Complete Interface Capability.** Connect your Model 100 to any Radio Shack dot-matrix, daisy wheel or graphics printer via the parallel interface. With the RS-232C interface, Model 100 can be connected to another computer—micro, mini or mainframe. The cassette interface lets you save or load programs, data and text at a fast 1500 baud using an optional recorder. You can even interchange text tapes with our new TRS-80 Model 4 (page 18). Requires four "AA" batteries.

**8K Model 100.** 26-3801 . . . . . 799.00

**24K Model 100.** 26-3802 . . . . . 999.00

## Use the TRS-80 Model 100



On Your Desk



Or on the Go

## Specifications

**Microprocessor:** 8-bit 80C85 CMOS. **Clock Speed:** 2.4 MHz. **Memory:** 32K ROM; 8 or 24K RAM, expandable to 32K. **Keyboard:** Full-size 56-key typewriter style with embedded 10-key datapad, plus 8 programmable function keys, 4 command keys and 4 cursor control keys. **Display:** 8x40 Liquid Crystal Display, upper and lower case ASCII characters, 240x64 dot-matrix graphics. **Modem:** Built-in FCC-registered direct-connect modem with auto-dialer. 300 baud. Originate and answer. **Input/Output:** Parallel printer interface. RS-232C serial communications interface programmable up to 19,200 baud. Cassette tape interface loads at 1500 baud. Standard bar-code reader interface. **Dimensions:** 2x11<sup>7</sup>/<sub>8</sub>x8<sup>1</sup>/<sub>2</sub>". **Weight:** 3.9 lbs. **Power Supply:** Operations—Up to 20 hours on 4 "AA" alkaline batteries or optional U.L. listed AC power supply. Memory—Internal rechargeable nickel-cadmium batteries will maintain memory intact for up to 30 days with power off (depending on the amount of RAM installed) and are automatically recharged from "AA" batteries or AC power.

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More than 8800 participating Radio Shack stores and dealers stock our "popular-priced" TRS-80 computers and accessories.

**QUALITY SOFTWARE**

We offer more ready-to-run programs than any other micro-computer manufacturer. And our affordable programs are available "off the shelf".



**FULL LINE IN STOCK**

Over 400 Radio Shack Computer Centers provide total support before, during and after the sale! In addition to TRS-80 computers, Computer Centers carry our complete line of peripherals and software.

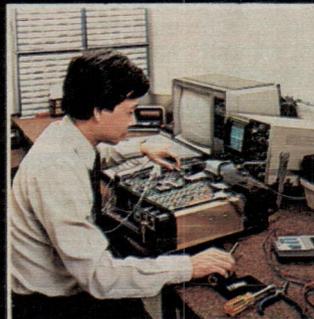
**PROFESSIONAL ASSISTANCE**

Our company-trained staff can help you select just the right TRS-80 system, plus explain how your business can lease any system over \$1500.



**COMPLETE TRAINING FACILITIES**

Our training sessions will acquaint you with your TRS-80 computer system and its software applications. You'll get "hands-on" experience, because you'll be using the TRS-80 while you learn. Whether for business or pleasure, you'll be learning how to get the most from your TRS-80 right from the start.



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