

## Many ways to use our TRS-80 Microcomputer



### Level-I BASIC — More Power to You!

Radio Shack's Level-I BASIC really packs a lot into 4K of ROM to produce a thorough yet easy-to-understand computer language. It's the ideal programming language for the computer novice. Level-I includes most standard BASIC commands, plus graphics, cassette input/output, floating point arithmetic, numeric array, and limited string variables. Anyone who can read and write English can probably learn to program with Level-I BASIC!

Level-I with 4K RAM  
26-1001, 26-1201, 14-841 ..... **899.00**

Level-I with 16K RAM  
26-1002, 26-1201, 14-841 ..... **1348.00**

### Level-II BASIC — More Power to You!

Level-II BASIC is an advanced version of Level-I. It is contained in 32K of ROM instead of the 4K needed by Level-I and includes many new, very powerful features. Scientists, educators, businessmen, and others with more demanding tasks to perform will find Level-II more than adequate. An excellent manual makes Level-II BASIC understandable for the more advanced TRS-80 owner, or one who has already mastered Level-I.

Level-II with 4K RAM  
26-1004, 26-1201, 14-841 ..... **1098.00**

Level-II with 16K RAM  
26-1004, 26-1201, 14-841 ..... **1547.00**

## Prepared Programs which you may use with your TRS-80 Standard System and Level-I or Level-II BASIC

**IN MEMORY INFORMATION SYSTEM — 26-1502**  
The Radio Shack "IN MEMORY INFORMATION SYSTEM" is designed to allow you to create, save, retrieve, modify, and sort any type of data. Data can be made up of any characters or letters, numbers, special characters, or any keys on the keyboard. Data can consist of names, salaries, stock numbers or any other types of information you wish to use.

This system comes on three tapes. The three programs are:

1. The INITIALIZATION program that allows you to specify the nature of your data. After the computer has been told what your data will be, you can enter the data and then save it on a cassette tape.
2. The SORT program can sort your data into alphabetic or numeric order. A data tape is read in by the program, sorted and then the sorted data may be transferred onto a new cassette tape.
3. The UPDATE & RETRIEVAL program which, after loading a data tape into memory will allow you to look at, delete, change or add to your data. After the changes are made, you can store the modified data on a new tape.

### DATA FILES

A data file can best be described through the following analogy: Consider a company which has two sets of filing cabinets. The first set contains personnel information and the second set contains inventory information. Each set of filing cabinets has several drawers in it. Each drawer contains many folders with information consisting of lines of typing or writing. Each folder has a unique label on it which allows you to find a specific folder of information without looking into each folder.

In our computer memory system, a set of "filing cabinets" is called a file. In our case, we are concerned with an inventory file and a personnel file. The "drawers" are analogous to our cassette tapes. One or more tapes will be needed to store the inventory or personnel file. Just as each drawer contains "folders" our tapes contain records. Each folder has a unique "label" so it can be found easily. Likewise, each record has a "label" called a key, which enables the computer to quickly find the record. Within each folder are pieces of paper with "lines" of information. Each computer record consists of several data fields. These fields are where actual data is stored.

Can be used with Level-I or Level-II BASIC.

### EDITOR ASSEMBLER — 26-2002

The TRS-80 Editor Assembler is a RAM resident text editor and assembler for the TRS-80 Microcomputer System. The Editor Assembler was designed to provide the ease of use required by the novice, while providing capabilities powerful enough for the expert. LEVEL-II BASIC is capable of directly loading the Editor Assembler cassette tape. LEVEL-I BASIC must read-in the Editor Assembler using SYSTEM tape (Included).

The text editing features of the Editor Assembler facilitate the manipulation of alphanumeric text files. The most common use of the editing capability is in the creation and maintenance of assembly language source programs.

The assembler portion of the Editor Assembler facilitates the translation of symbolic language source programs into machine executable code. This object code may then be executed with the SYSTEM tape for LEVEL I BASIC or directly with the SYSTEM command under LEVEL II BASIC. Previous knowledge of machine language and the hexadecimal number system is a prerequisite for the operation of this program.

### MICROCHESS — 26-8830


Microchess was originally conceived as a program which would play a reasonably good game of chess using a minimum of computer hardware. This version of the program is written in the Z-80 machine language and is designed to make optimum use of the features of the TRS-80 microcomputer. The program is a full 4K bytes in length and includes a graphics driver to display the chess board on a video monitor.

Microchess displays a graphic depiction of the chess board on your TRS-80 screen. The computer's men will always appear at the top of the display. Your pieces are shown at the bottom.

The right hand side of the screen is used for communications between you and the computer. Microchess will display its moves at the top of the screen. You enter your moves at the bottom. The current setting of the intelligence level is always displayed in the middle of this screen area.

Microchess is a tireless opponent, always ready for a blitz game, or a slow, thoughtful one. It is ready at any time to assist you in learning to play chess, or to help you practice your chess skills.

Can be used with Level-I BASIC.

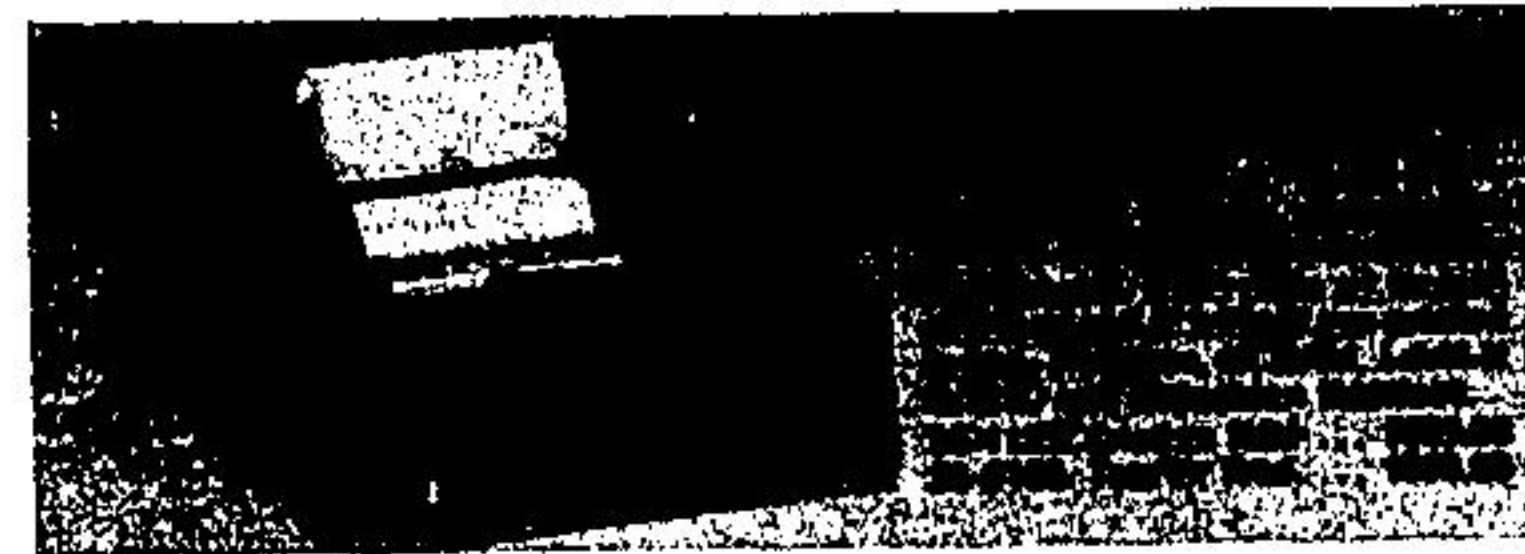


**IN MEMORY INFORMATION SYSTEM**

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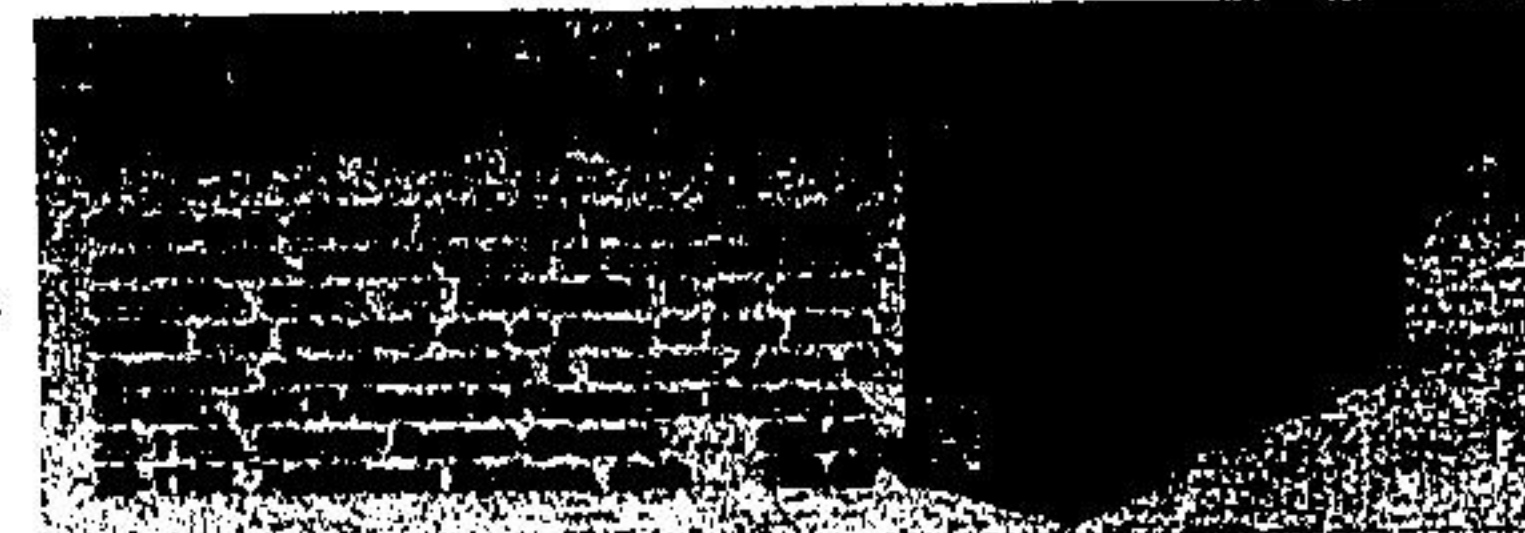
26-1502 With 0 RAM	499.00
26-1501 With 16K RAM	899.00
26-1502 With 32K RAM	1297.00



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26-2002	1098.00
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**Radio Shack** TRS-80 Standard System, and prepared programs are available at, or through, your nearby Radio Shack Store.