

RAINBOW

The Color Computer Monthly Magazine

ON DISK

November 1986

RAINBOW ON DISK contains the programs featured in the pages of **THE RAINBOW**, The Color Computer Monthly Magazine. It is intended as a companion to the magazine, not as a separate entity. The articles accompanying the programs in **THE RAINBOW** may include important information and system requirements necessary to the operation of the programs.

The disk is specially formatted and contains both BASIC and OS-9 operating system programs.

This edition of **RAINBOW ON DISK** includes:

Treasure Quest Search for gold, but watch out for the traps!

Pizza Party Invite your holiday guests to pick their favorite toppings.

RTTY Transmit and receive text in the Ham bands.

BASIC Training Two programs show you what LEFT\$, RIGHT\$ and MID\$ are all about.

Raiders Dock with the alien ships to recover stolen supplies.

Shorten Use this utility to allow the *Banner* program from the May 1986 RAINBOW to run on a disk system. Also included is the *Banner* program with patches already made.

Wishing Well Learn equivalent liquid measures. Do you know how many quarts are in a gallon?

Remot232 Use a terminal to control your CoCo from a distance.

Funwords Play with words using this educational game.

SMH Add a message editor to your CoBBS system.

Term3 It's a brand-spanking-new terminal program just for your Color Computer 3.

LWRSEEDIT Add Lo-Res graphics to your bulletin board system.

McCheckers Play checkers with a friend over the phone!

Keycad/Keyflow Use these modifications to add arrow-key control to CoCocad and CoCoflow.

Getput Use these routines for speedier GETs and PUTs in graphics programs.

The "flip" side of this month's **RAINBOW ON DISK** includes:

Rainbow Clock A series of modules create a running graphics clock in OS-9 Level II's windowing environment.

The Sieve of Eratosthenes This is a benchmark commonly used to test relative computer speeds.

KISSable OS-9 Included are sysgo, and two *cls* modules all written in assembly language.

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Instructions For Use

This disk is a "flippy," formatted under Disk Extended BASIC on the front side and under the Microware OS-9 operating system on the back. To access the OS-9 programs on the back, you must remove the disk from your drive, boot your OS-9 system, turn the disk over and reinsert it.

Some issues of **RAINBOW ON DISK** may be partially formatted under Disk BASIC on the back side as well as the front. You should check both sides of the disk using Disk BASIC's DIR command for this occurrence.

Before you run any of the programs on **RAINBOW ON DISK**, you should first use the Disk BASIC BACKUP command to make a backup of both sides of the disk, giving you a working copy. You are able to back up the OS-9 formatted side of the disk under Disk BASIC. For the protection of the **RAINBOW ON DISK** master, the disk does not have write-protect notches, so you cannot accidentally write to it.

If you are running OS-9, you will find a `read.me.first` file in the root directory. You should `list` this file to your screen or printer for information about the structure of the OS-9 side of the disk.

The Disk BASIC side of the disk is menu driven. To begin, type `RUN"MENU"` and press ENTER. A menu of the files appears, from which you may run any of the BASIC programs by pressing its corresponding letter key. The machine language programs, indicated by an asterisk, *will not* run properly from the menu. These machine language files must be loaded and executed with the `LOADM` and `EXEC` commands.

When a file is run from the **RAINBOW ON DISK** menu, part of the menu itself remains in memory. Because of this, you may encounter an OM? Error on some of the programs, indicating that the file is too large for memory. If this occurs, you will have to remove the disk and turn off your CoCo for a few seconds, then `LOAD` and `RUN` the program as you normally would from Disk BASIC, bypassing the menu.

Many of these programs require special loading instructions and other information necessary to the proper functioning of the program.

The modifications for *CoCocad* and *CoCoflow*, *CoCoMOD1*, *CoCoMOD2* and *CoCoMOD3*, are saved on this disk in ASCII format. This is to facilitate use of the Disk BASIC MERGE command to combine the modifications with the main programs. Just load in the file you want to modify, type `MERGE"filename"` and press ENTER. Then save the modified version to disk.

For complete instructions regarding each of the files on **RAINBOW ON DISK**, refer to the November 1986 edition of **RAINBOW** magazine.

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If any manufacturing defect becomes apparent, return the defective disk within 30 days of purchase and it will be replaced free of charge. Please return the defective disk with a letter specifying the problem to:

RAINBOW ON DISK

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Prospect, KY 40059

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