

# RAINBOW

The Color Computer Monthly Magazine

## ON DISK

December 1991

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:

**Press Continue** Make the ordinary a little more exciting; use this subroutine to add pizzazz to screen pauses.

**File Size** Don't believe Disk BASIC's little lie — let *File Size* calculate the exact size of your files.

**PMODE 4 Snapshot** Save selected portions of PMODE 4 graphics images to tape or disk.

**Improved Directory** IDIR modifies the CoCo 3 directory listing so it includes the total number of files on the disk as well as the number of granules occupied.

**Peggy** A challenging one-player game for the CoCo 3. Test your wit and skill!

**Palette Tints** *Tintpal* displays groups of similar colors, making it easier to decide which shade you want to use in your graphics creations.

**Sound Generator** Build new sounds and sound effects with the Color Computer. You can even add your creations to BASIC programs.

**Pirate's Treasure** Search the world for hidden treasure with this text-based adventure game.

---

The OS-9 "flip" side of this month's RAINBOW ON DISK includes:

**Spicy Dice** Take the OS-9 road to the glamour, glitter and gamble of Las Vegas with this simple dice game for Level II.

**BreakPoint** Use the *Procedure Generator* to turn those executable binary programs into BASIC09 programs that use data statements to re-create the original file.

# RAINBOW

## on Disk

December  
1991



# RAINBOW

## The Color Computer Monthly Magazine

# ON DISK

### Instructions for Use

This disk is a "floppy," 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.

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. For the protection of the RAINBOW ON DISK master, the disk does not have write-protects notches, so you cannot accidentally write to it.

The Disk BASIC portions of the disk are 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.

### How Do I Get to the OS-9 Programs?

The OS-9 side of RAINBOW ON DISK contains two directories: CMDS and SOURCE. It also contains a file, read.me.first, which explains the division of the two directories. The CMDS directory contains executable programs and the SOURCE directory contains the ASCII source code for these programs. BASIC09 programs will only be offered in source form so they will only be found in the SOURCE directory.

OS-9 is a very powerful operating system. Because of this, it is not easy to learn at first. However, while we can give specific instructions for using the OS-9 programs, you will find that the OS-9 programs will be of little use unless you are familiar with the operating system. For this reason, if you haven't "learned" OS-9 or are not comfortable with it, we suggest you read *The Complete Rainbow Guide to OS-9* by Dale Puckett and Peter Dibble.

The following is not intended as a course in OS-9. It merely states how to get the OS-9 programs from RAINBOW ON DISK to your OS-9 system disk. Use the procedures appropriate for your system. Before doing so, however, boot the OS-9 operating system according to the documentation from Radio Shack.

- 1) Type `load dir list copy` and press ENTER.
- 2) If you have only one disk drive, remove the OS-9 system disk from Drive 0 and replace it with the OS-9 side of RAINBOW ON DISK. Then type `chd/d0` and press ENTER. If you have two disk drives, leave the system master in Drive 0 and put the RAINBOW ON DISK in Drive 1. Then type `chd/d1` and press ENTER.
- 3) List the `read.me.first` file to the screen by typing `list read.me.first` and pressing ENTER.
- 4) Entering `dir` will give you a directory of the OS-9 side of RAINBOW ON DISK. To see what programs are in the CMDS directory, enter `dir cmds`. Follow a similar method to see what source files are in the SOURCE directory.
- 5) When you find a program you want to use, copy it to the CMDS directory on your system disk with one of the following commands:

One-drive system: `copy /d0/cmds/filename /d0/cmds/filename -s`

The system will prompt you to alternately place the source disk (RAINBOW ON DISK) or the destination disk (system disk) in Drive 0.

Two-drive system: `copy /d1/cmds/filename /d0/cmds/filename`

Once you have copied the program, you execute it from your system master by placing that disk in Drive 0 and entering the name of the file.

Many of these programs require special loading instructions and other information necessary to the proper functioning of the program. For complete instructions regarding each of the following files on RAINBOW ON DISK, refer to the December 1991 edition of RAINBOW magazine. (The corresponding page number is noted for your convenience.)

Front Side Disk BASIC Files		Back Side OS-9 Files	
Page	Filename		
DEC	MENU		read.me.first
020	PRESCONT		
020	FILESIZE		
021	PM4PTSCR		
021	IDIR		
022	PEGGITY		
025	TINTPAL		
030	SOUNDGEN		
047	DEMON		
		SOURCE Directory	
		Page	Filename
		015	Dice_Game.b09
		040	ProcGen.b09

RAINBOW ON DISK is intended for the private use and pleasure of its subscribers and purchasers. The entire contents are copyright 1991 by Falsoft, Inc. Reproduction of any program contained on the disk or the disk jacket or cover, in whole or in part, for other than the original purchaser's own personal use, is expressly prohibited. All programs herein are distributed on an "as is" basis, without warranty of any kind whatsoever.

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, The Falsoft Building, P.O. 385, Prospect, KY 40059.

THE RAINBOW and RAINBOW ON DISK are registered trademarks of Falsoft, Inc. Color Computer and Disk Extended Color BASIC are registered trademarks of Tandy Corp. OS-9 is a registered trademark of Microware, Inc.

#### CLUB PURCHASES

Please note: While group purchases of RAINBOW ON TAPE and RAINBOW ON DISK are permitted, no license to make copies is conveyed or implied. Yes, your group may even purchase a subscription to our disk/tape services, but such purchase in no way authorizes that any copies be made of that original disk/tape.

Specifically, this means that the original disk/tape itself may indeed be kept in a club library for use by members. However, a group purchase does not entitle club members, individually or as a group, to copy that disk/tape.

Unauthorized copying of any copyright product is strictly illegal. The copyright (right to make copies) is in no way conveyed in the purchase transaction.