### RAINBOW

The Color Computer Monthly Magazine

# ON DISK

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:

Strata Revisit the past with this fast-paced, arcade-style "pong" spinoff.

One Good Turn A two-player strategy game to really flip you out.

Ye Olde Font See how easy it is to use different fonts in your own creations. CoCo 3 Color Dump Use this complete package to send colorful CoCo 3 graphics to the CGP-220 Inkjet printer.

**Sign In Please** Let CoCo sign it for you; a great way to personalize your work. **PMODE Polychrome** Send those PMODE3 and 4 screens to the CGP-220 efficiently.

Wishing Well Jump into the jumble and try to decode these sentence puzzles. Education Notes Study Nyms, a review of synonyms, homonyms and antonyms. Novices Niche A fine collection of shorties for beginners and advanced users alike.

**Printing in Two Columns** Make eye-catching newsletters with this two-column formatter.

**In and Out With Boole** Test your abilities with binary addition, subtraction and multiplication.

**LLISTing Formatter L**et *BestList* show its stuff the next time you need a hard copy. **Poster Printer** Print those garage sale (and many other) signs with this BASIC program designed for the DMP-130.

**Alternate Fonts for PMODE4** Use any of the many new CoCo 3 fonts on the PMDDE4 screen. Works with CoCo 1, 2 and 3!

Barden's Buffer Take a venture into the world of palindromes and anagrams.

The "flip" side of this month's rainbow on disk includes:

**KISSable OS-9** Use *DefsDemo* to define window data types and Cmdgen to generate OS-9 modules that execute existing programs.



#### **May 1988**

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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.

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.

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 LDADM 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 OM2 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 SDURCE. It also contains a file, read.me.first, which explains the division of the two directories. The CMDS directory contains executable programs and the SDURCE 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 SDURCE 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-9system 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 /dl/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 May 1988 edition of RAINBOW magazine. (The corresponding page number is noted for your convenience.)

Front Side		Back Side	
Page	Filename	OS-9 Files	
MAY	MENU	read.me.first	
020	STRATA	CMDS	
031	FLIPIT	Page	Filename
037	SCRNFONT	188	
045	COLORS		Cmdgen
048	HRSAVE	SOURCE	
048	HRLOAD	185	DefsDemo
048	CGPPRINT	188	Cmdgen.source
048	COLORPIE	189	Makecmdgen
054	SIGNATUR		
060	*IMAGE_		
076	JUMBLE		
088	NYMS		
090	NO SMOKE		
091	CANVAS		
091	TICKET		
092	GRAFCODE		
092	BIGDUMP		
093	PAL32		
093	CENTERER		
094	BLOCKOUT		
096	LETTER		
098	PERSLOGO		
102	BOOLEAN		
107	BESTLIST		
120	POSTRPTR		
156	FONTDEMO		
156	FONTPOKE		
157	ROMRAM		
176	PALINDRM		
176	LETTERS		
176	PERMS		

<sup>\*</sup> Indicates a machine language program.

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

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