

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:

- CoCo Concentration** Test your memory with this "match 'em up" game.
- Sneaky Snake** Can you get the snake to drink all the root beer without "tripping" over itself?
- Keeping Score** Clear all those "high score" notes from your computer table.
- Munchkin Blaster** Stop the aliens from space before they stop you!
- CoCo Learn** Investigate the principles of artificial intelligence with this computer game.
- F-15 Ground Assault** This high-flying game for your CoCo 3 will blow you right out of your flight suit.
- Novices Niche** Eight shorties to whet your appetite
- Wishing Well** Fred Scerbo offers an "extension" of last month's *CoCo Keyboard*.
- Shoot'n Match** Check your marksmanship with this computerized trap-shoot just for your CoCo 3.
- Education Notes** Review numbers with Steve Blyn's *NUMREVUE*.
- Lunar Rescue** Here's a "Lunar Lander"-type game with a twist. Works on your CoCo 1, 2 or 3.

The OS-9 files on the "flip" side of this month's RAINBOW ON DISK include:

KISSable OS-9 a *Files* utility and *Vmode*, a program which lets you have control over OS-9's automatic verification process.

The Problem with BASIC09 Peter Dibble offers his solution for using plenty of memory for BASIC09 with OS-9 Level II.

August 1987

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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 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.

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 August 1987 edition of RAINBOW magazine. (The corresponding page number is noted for your convenience.)

Front Side		Back Side	
Page	Filename	OS-9 Files	
		read.me.first	
		CMDS	
		Page	Filename
AUG	MENU		
022	MEMOCARD		
028	SNEAKY	157	Vmode
037	SCOREBRD	160	Files
045	BLASTER	164	BFork
052	COCOLERN		
060	F15EAGLE	157	Vmode
084	BLAKJACK	160	Files
086	SPEEDSTR	164	BFork
088	THEATRE	165	BFork.dump
088	MAGICSQR	167	Editor_2
089	HANGMAN	167	Printer
090	WORD1		
091	MAPPER		
091	JOYCHECK		
093	COCOKEY2		
098	NUMREVUE		
108	SHOOTN		
117	RESCUE		
		SOURCE	

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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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