

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:

Pool Balls Try your hand at solving this popular logic problem. Versions are included for CoCo 1 and 2, as well as the CoCo 3.

Buddy Use this feature-packed editor for entering programs on the CoCo 3.

Programming Contest This is the core program for a new contest introduced by Bill Bernico. Brush up your BASIC creativity.

Education Notes Practice solving verbal math problems with *GasQuiz* from Steve Blyn.

Tut's Tomb An action-packed, fast-paced machine language arcade game.

Novices Niche Seven shorties to add to your library. But you don't have to be a novice to enjoy them.

MacView A program enabling you to view *MacPaint* pictures on your CoCo.

Write 3+ An update to *Write3* allowing you to add embedded printer commands.

ML Made BASIC: General Math Part 1 of a new machine language tutorial series by William P. Nee.

Convention A program to help keep track of voting at this year's political conventions.

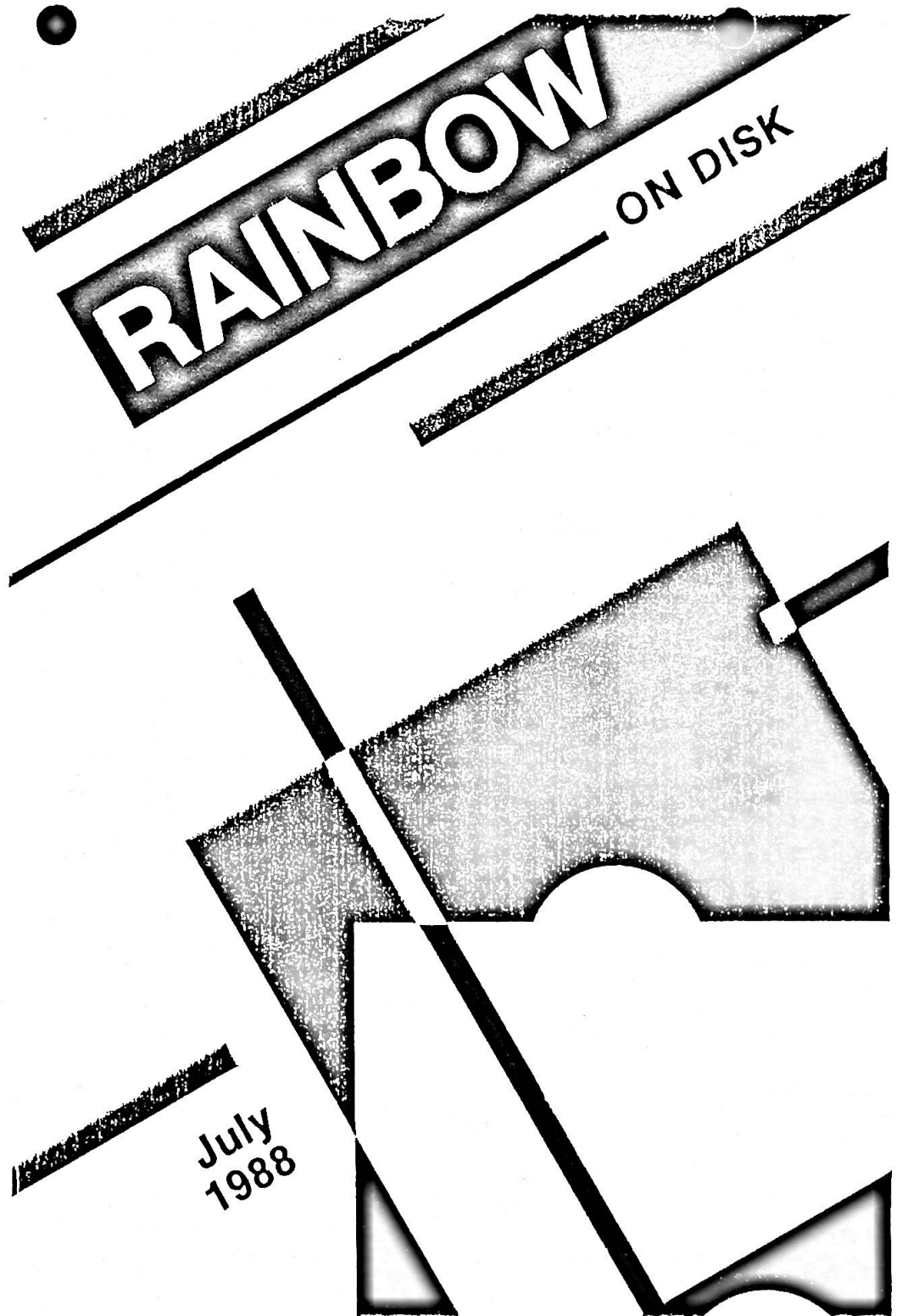
Diskoff A program to free up more memory by unplugging the disk controller with software.

Wishing Well Get in a little training on when, where and how to use commas.

Barden's Buffer Teach CoCo how to play tic-tac-toe, but you'd better practice, too — CoCo learns fast.

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

KISSable OS-9 A continuation of the *Multi-Vue* housekeeper, *MVShell*.



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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.

This month's RAINBOW ON DISK is formatted in such a way that programs for Disk BASIC are on both sides of the disk. The flip side of the disk has been "partitioned" and does hold eight Disk BASIC files. You may copy these files to another disk manually or back up the entire flip side of the disk.

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 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, by passing 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.

Since this month's RAINBOW ON DISK offers BASIC09 programs, the SOURCE directory will be the only one found on the disk. There is no CMDS directory on this month's RAINBOW ON DISK. To use this month's programs, first boot OS-9 and execute BASIC09. Then, use the chd command to make the RAINBOW ON DISK SOURCE directory your current data directory and load the programs into the BASIC09 workspace.

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 d1 r 1st 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 1st read.me.first and pressing ENTER.
- 4) Entering d1 r will give you a directory of the OS-9 side of RAINBOW ON DISK. To see what programs are in the CMDS directory, enter d1 r 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 July 1988 edition of RAINBOW magazine. (The corresponding page number is noted for your convenience.)

Front Side		Back Side	
Page	Filename	Disk BASIC Files	
JUL	MENU	Page	Filename
030	BALL3	JUL	MENU
032	BALL2	113	CONVENTN
038	BUDDY	120	DISKOFF
049	CONTEST	157	COMMAS
054	GASQUIZ	166	ALLPERMS
060	ONE	166	1STMOVES
063	TWO	167	DATAMAKR
068	THREE	170	TICTACTO
074	FOUR	OS-9 Files	
060	*TUT1	read.me.first	
060	*TUT2	SOURCE	
060	*TUT3	Page	Filename
080	CRYPTAID	175	MVShell
082	EAGLE	180	SigTestOne
082	SCRNLST	181	SigTestTwo
083	MONO3		
083	GUESSWHO		
084	PULSBEAT		
085	PSYCHIC		
094	MACVIEW		
097	WRITE3+		
106	SORTBAS		
107	*SORTBIN		

* 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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