

November 1987

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:

Disk Jacket Designer Make your disk jacket wardrobe complete with PMODE 4 graphics.

WATTS the Cost Use *Elecform* to determine the cost of those power-hungry appliances.

Magic 3 Ball A CoCo version of the popular solution to indecision.

Phone Numbers Save all those scribbled phone numbers in your own personal telephone file.

Education Notes Master the keyboard with a quickie typing tutor from Steve Blyn.

Galactic Conflict Control your fleet as you try to take over the galaxy. *Galactic Conflict* is a multi-player BBS game containing all the routines necessary to start your own long-distance game.

Novices Niche Here's a few shorties that run the gamut from 4K to CoCo 3 to add a little spice to your collection.

Three-Screen Demo Darryl Hawkins offers *Demo* to show one way of creating and switching between three PMODE 4 screens.

City Sun Watch as your CoCo 3 turns day into night.

Wishing Well Fred Scerbo offers *CoCo Cathead*, the CoCo Community's answer to Max Headroom.

Autodial Use your autodial modem to dial those hard-to-remember telephone numbers for you.

Friendly BBS Finally, a simple, easy-to-use BBS for your CoCo. This system features *E-Mail*, a message base, and even a little room for downloading.

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

KISSable OS-9 The evolution continues as Dale Puckett offers nine more routines for the *KISSDraw* series.

RAINBOW

ON DISK

November
1987

RAINBOW

The Color Computer Monthly Magazine

ON DISK

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 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.

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

Front Side		Back Side	
Page	Filename	OS-9 Files	
NOV	MENU	read.me.first	
028	JACKET	SOURCE	
PIC	*LONNIE	Page	Filename
PIC	*TUXEDO	181	test
046	ELECFORM	181	KISSDraw4
053	MAGIC3	182	GetKISSMouse
072	NUMFILE	183	WhichTool
076	TYPING	184	DoEvent
083	NEWGAME	186	HandleMenu
083	GALACTIC	187	PlayBackPix
083	*REMOTE2	187	RecordPix
095	PASSWORD	187	KISSDrawBox
096	CIRCLE	188	KISSDrawArc
096	CIRCLE2		
096	STARS		
097	ALFAWORD		
097	DODGE		
098	ALARM		
101	DEMO		
106	CITY SUN		
117	CATHEAD		
146	AUTODIAL		
154	BOOT		
155	BBS-BORD		
160	SY SOP		
162	TEXTGEN		

* Indicates a machine language program.

RAINBOW ON DISK is intended for the private use and pleasure of its subscribers and purchasers. The entire contents are copyright © 1987 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. Box 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.