

May 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:

**BioChart** Predict and print personal highs and lows.

**Ticket** Let CoCo handle the tickets for your next show or raffle.

**Mileage Mapper** A handy way to figure your best route.

**Graphics Generator** An easy-to-use screen dump for seven-pin Tandy printers.

**Wishing Well** Fred Scerbo offers *Blood* as the first in a series of programs dealing with the human body.

**Dancing CoCo Cat** CoCo Cat shows his moves with this Hi-Res CoCo 3 program.

**Archie** Let CoCo help with that floor layout; it makes rearranging furniture a snap.

**Vaniphone** Find a personalized mnemonic for your business or home phone number.

**BASIC Training** Discover more about graphics with the CIRCLE statement.

**Novices Niche** Nearly everything from bouncing balls to a cassette box labeler.

**Font Generator** Change that Hi-Res graphics text font with this simple routine just for your CoCo 3.

**DMP-105 Dumper** Use this dump to produce exciting screen prints on your DMP-105 printer.

**SG-10 Setup** Set up your SG-10 printer just the way you want it.

**Education Notes** Use *MapScale* to gain an understanding of scales given on maps.

**Paramission** Try to save the world in this fast and dangerous paratrooper game.

**Word Search** Create your own word search puzzles for hours of fun.

**PrintBuf** Build a printer buffer system with this program and the hardware project detailed in the May 1987 RAINBOW.

**LLister** Let your CoCo 3 and DMP-130 format listings.

**New Boots** Get the most memory for your money.

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

**The Advantage of Processes** Two programs that illustrate multi-tasking in OS-9 Level II.

**Pause** Use this machine language routine to emulate the MS-DOS pause command.

**KISSable OS-9** This month's programs include a hexdump utility, a new version of the xmode command and Level II BASIC09 graphics routine, wizdraw.

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### 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.

Some issues of RAINBOW ON DISK may be partially formatted under Disk BASIC on the back side as well as the front. You should check both sides of the disk using Disk BASIC's DIR command for this occurrence.

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.

If you are running OS-9, you will find a read.me.first file in the root directory. You should list this file to your screen or printer for information about the structure of the OS-9 side of the disk.

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.

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

#### Front Side/Disk BASIC

Page	Filename
MAY	MENU
024	BIOCHART
027	TICKET
031	DISTANCE
036	GRAPHGEN
046	BLOOD
053	CATDANCE
055	RECTANGL
063	ARCHIE
066	ARC
075	VANIPHON
080	LISTING1
080	LISTING2
088	BALLDEMO
089	COLORS
090	COLRDUMP
091	CASBXLBL
091	FORMATTR
092	DISK DIR
093	PRNTFONT
100	FONT GEN
106	DUMP105
109	SG10SET
112	MAPSCALE
115	PARAMISS
153	WDSEARCH
164	PRINTBUF
180	LLISTER
187	NEWBOOTS

#### Back Side/OS-9 Format

read.me.first

#### CMDS

Page	Filename
194	pause
202	xmode
205	hexdump

#### SOURCE

192	editor
192	printer
194	pause
200	wizdraw
202	xmode.c
205	hexdump.c

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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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