

RAINBOW
The Color Computer Monthly Magazine
ON DISK

May 1991

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:

Ultralace Here are the first three files for *Ultralace*, the ultimate shoestring desktop publisher, by H. Allen Curtis.

KnightShift A two-player, strategy game in which the king who traps the other king on the grid wins.

Barden's Buffer A sample program that demonstrates how to use the *EZ Assembler* for your own assembly-language projects.

Doc Reader A CoCo 3 program that lets you view and print text files quickly and easily.

Compound Interest A short, useful program that calculates compound interest in annual, semi-annual, monthly or daily periods.

The Assembly Line Create your own world with three different animals -- a play on the game of *Life*.

Pyramid An "easy-to-play" solitaire game. But watch out -- it's easy to get addicted to this one.

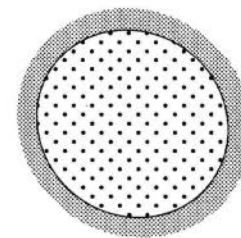
Space Kamikaze A shoot-'em-up arcade game where the object is to destroy as many enemy kamikaze spacecraft as possible.

The OS-9 "flip" side of this month's RAINBOW ON DISK includes:

OS-9 File Viewer A program that allows you to use the up and down arrow keys to scroll forward and backward through ASCII text files.

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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. For the protection of the RAINBOW ON DISK master, the disk does not have write-protects 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 `ROM 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: `CMD5` and `SOURCE`. It also contains a file, `read.me.first`, which explains the division of the two directories. The `CMD5` 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 `CMD5` directory, enter `dir cmd5`. 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 `CMD5` directory on your system disk with one of the following commands:

One-drive system: `copy /d0/cmd5/filename /d0/cmd5/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/cmd5/filename /d0/cmd5/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 1991 edition of RAINBOW magazine. (The corresponding page number is noted for your convenience.)

| Front Side | | Back Side |
|------------------|------------|----------------------------|
| Disk BASIC Files | | OS-9 Files |
| Page | Filename | |
| MAY | MENU | <code>read.me.first</code> |
| 012 | GENFMENU | SOURCE Directory |
| 013 | GENFONTI | Page |
| 014 | GENFONTN | 009 |
| 017 | KNIGHT | Filename |
| 040 | + CLRSCN | scrolf.b09 |
| 040 | * CLRSCN | |
| 040 | CLRSCNDR | |
| 050 | READD0C | |
| 055 | COMP-INT | |
| 057 | PREDATOR | |
| 057 | + PREDATOR | |
| 057 | * PREDATOR | |
| 079 | PYRAMID | |
| 080 | SPACE | |

+ Assembly-language source

* Machine-language program

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