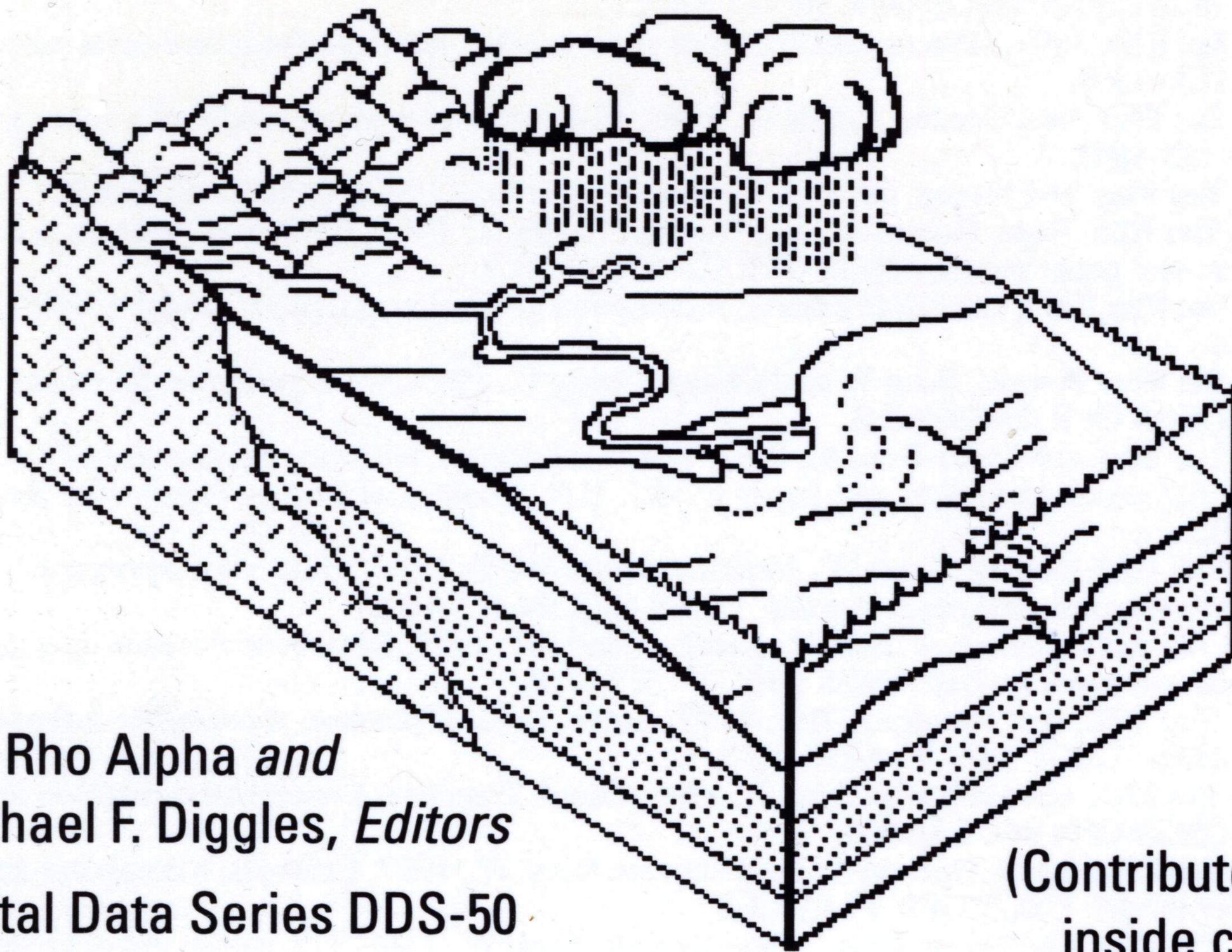# USGS
science for a changing world

Teaching Earth Science

By

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(Contributor list
inside cover)

U.S. Department of Interior
U.S. Geological Survey

Contributors to the 17 computer-generated teaching tools included on this CD-ROM

1. Alpha, Tau Rho, 1989, How to construct two paper models showing the effects of glacial ice on a mountain valley: USGS OFR 89-190 A&B.

2. Alpha, Tau Rho, Lahr, John C., and Wagner, Linda F., 1989, How to construct a paper model showing the motion that occurred on the San Andreas fault during the Loma Prieta, California, earthquake of October 17, 1989: USGS OFR 89-640A&B.

3. Alpha, Tau Rho, and Lahr, John C., 1990, How to construct seven paper models that describe faulting of the Earth: USGS OFR 90-257 A&B.

4. Alpha, Tau Rho, 1991, How to construct four paper models that describe island coral reefs: USGS OFR 91-131A&B.

5. Alpha, Tau Rho , and Gordon, Leslie C., 1991, Make your own paper model of a volcano: USGS OFR 91-115A&B.

6. Alpha, Tau Rho, and Strebe, daan, 1991, Map Projections: USGS OFR 91-553A&B.

7. Alpha, Tau Rho, Page, Robert A., and Gordon, Leslie C., 1992, Earthquake effects, a computer animation and paper model: USGS OFR 92- 200A&B).

8. Alpha, Tau Rho 1993, Landslide Effects, A computer animation and paper model: USGS OFR 93-278A&B.

9. Alpha, Tau Rho, Starratt, Scott W. and Chang, Cecily C., 1993, Make your own Earth and tectonic globes: USGS OFR 93-380A&B.

10. Alpha, Tau Rho, and Stein, Ross S., 1994, The Northridge, California, Earthquake of January 17, 1994: A computer animation and paper model: U.S. Geological Survey Open- File Report 94-214A&B.

11. Alpha, Tau Rho, Starratt, Scott W., Hendley, James W., II, 1994, Make your own paper fossils, a computer animation and paper models: USGS OFR 94-667A&B.

12. Alpha, Tau Rho, Galloway, John P., Bonito, Mark V., 1995, Sea-Floor Spreading, a computer animation and paper model: USGS OFR 95- 573A&B.

13. Alpha, Tau Rho, and Reimnitz, Erk, 1995, Arctic Delta Processes, a computer animation and paper models: USGS OFR 95-843A&B.).

14. Alpha, Tau Rho, and Galloway, John P., 1996, Ocean Trenches, a computer animation and paper model: USGS OFR 96-76A&B.

15. Alpha, Tau Rho, Stout, Dorothy L., and Starratt, Scott W., 1997, Crinoids, a computer animation and paper model: USGS OFR 97-91A&B.

16. Alpha, Tau Rho, Galloway, John P., and Starratt, Scott W., 1997, Chicxulub impact event, computer animations and paper models: USGS OFR 97-442A&B.

17. Alpha, Tau Rho, Galloway, John P., and Tinsley, John C., III, 1997, Karst topography: USGS OFR 97-536A&B.

Teaching Earth Science

Contents:

This CD-ROM contains 17 teaching tools: 16 interactive HyperCard[1] "stacks" and a printable model. They are separated into the following categories: *Geologic Processes*, *Earthquakes and Faulting*, and *Map Projections and Globes*. A "navigation" stack, *Earth Science*, is provided as a "launching" place from which to access all of the other stacks. You can also open the *HyperCard Stacks* folder and launch any of the 16 stacks yourself. In addition, a 17th tool, Earth and Tectonic Globes, is provided as a printable document. Each of the tools can be copied onto a 1.4-MB floppy disk and distributed freely. Labels for such floppy disks are provided as files in the *Labels For Floppy Disks* folder. To use make labels, print the files you want, cut them out, and paste them onto your floppy disks.

Minimum System Requirements:

This CD-ROM (Teaching Earth Science) was produced in accordance with the ISO 9660 Level 2 standard and Apple Computer's[1] hierarchical file system (HFS) standard.

The stacks on this disc were created with *HyperCard, Version 2.2*, and will run only on a computer that has either the *HyperCard* authoring software or the *HyperCard Player* software.

The minimum system requirements to use the data on this CD-ROM are as follows:

~ Macintosh[1] or compatible computer with a 68020 or higher processor
~ 8 Megabytes of RAM (recommend 4,500 KB available to *HyperCard Player*)
~ Apple System Software version 7.0 or later
~ 13-inch color monitor
~ CD-ROM drive
~ *HyperCard Player* 2.2 or higher viewing software (if you have installed the full *HyperCard* authoring software, remove *HyperCard Player* to avoid conflicts)
~ A generic word-processing program such as *SimpleText* (included on this CD-ROM)

To Get Started:

Insert the CD-ROM into the drive and double-click the icon for the CD-ROM (*Teaching Earth Science*). For information, double-click on the file 1_README.TXT. To begin the Earth Science Teaching Tools, double-click on the *Earth Science* icon. For information about *HyperCard Player*, see the file called *Read About HyperCard Player*.

[1]*HyperCard*, *Apple Computer* and *Macintosh* are registered trade marks of Apple Computer.

COMPACT disc DATA STORAGE

HFS

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