

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

A guide to commonly used map projections prepared for use in HyperCard  
by  
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OPEN FILE REPORT

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## **Abstract**

### **Map Projections Via HyperCard**

**by**

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Map projections Via HyperCard, by this author, Joe F. Vigil and Lauren Buchholz is a HyperCard stack designed for a Macintosh computer. The stack uses HyperCard buttons and cards to explain the distinctive properties and uses of several selected examples of map projections that are in use by the U. S. Geological Survey and other organizations. In addition the stack explains what properties are preserved in individual map projections. This is done by showing examples of map projections that are in used by the U.S. Geological Survey and other organizations. The presentation demonstrates the effect of transferring the earth's graticule onto a developable surface without going into the mathematics of that transformation. Emphasis is placed on thematic mapping and the need for the use of equivalent map projections in regional mapping. This stack provides a convenient way for the earth scientist to access information about common map projections by way of the Macintosh computer.

OF 88-364. A guide to commonly used map projections prepared for use in HyperCard, by Tau Rho Alpha, Joe F. Vigil, and Lauren Buchholz. One 3 1/2-inch diskette.

This guide briefly describes and illustrates the characteristics of 17 map projections commonly used to present thematic data. By means of simple sketches of the basic grid system of longitude and latitude known as the Earth's graticule, the guide shows examples of the following categories of map projections: planes (azimuthal), cones, cylinders, and miscellaneous. The text gives examples of thematic maps published by the U. S. Geological Survey that use various projections. The guide was created as a HyperCard "stack" for use only on the Macintosh family of computers and is available on a 3-1/2" Macintosh diskette. The guide consists of descriptive material only and does not contain a program for creating map projections.

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Requirements: Macintosh Plus, SE, or II with HyperCard software.

