

## News Release

## GRADUATE RESEARCH CENTER OF THE SOUTHWEST

BOX 30365, DALLAS, TEXAS 75230



231-1471

X25

Area Code 214

Al Mitchell

*Director of Information*

RELEASE SUNDAY, APRIL 24, 1966

FIRST IN U. S. GEOLOGICAL HIGHWAY MAP SERIES TO BE PUBLISHED APRIL 24;  
TEXAS GEOLOGISTS CONTINUING NATIONAL MAPPING PROJECT

ST. LOUIS, Mo. --

First regional issue of the United States Geological Highway Map series will be published here today at a meeting of the American Association of Petroleum Geologists.

Map No. 1 covers the mid-continent region; it is the first in a series of 11 maps relating geological structure to surface features such as cities and highways. The series, when completed, will cover the nation.

The maps are the work of three Texas geologists. Project chairman is Dr. Philip Oetking, a research staff member of Geosciences Division, Graduate Research Center of the Southwest, at Dallas. Dr. Dan E. Feray of Texas Christian University, and Dr. H. B. Renfro are members of the project committee. of Neches Petroleum Corporation, Dallas, /Doctor Feray is chairman of the Department of Geology at Texas Christian, in Fort Worth.

Published in 39 colors and tints, Map No. 1 covers Kansas, Missouri, Arkansas and Oklahoma. Scaled at 1 inch to 30 miles, the map itself will show distributions and ages of surface rocks, according to colors. Supplementing the map will be a generalized chart of time and rock units, showing kinds of rocks arranged by relative ages, and keyed in the same colors as the basic map; a tectonic map section on the same sheet will show major uplifts, downwarps, fault zones and complex tectonic belts; also, a geologic cross section illustration will show relations of rocks at the surface and sub-surface distributions. The cross section will be at an exaggerated scale.

The maps will represent compact courses in geology for all regions to be covered. With Map No. 1, for example, a traveler on Interstate Highway 35 might review the complete structure of the Flint Hills region in Kansas, as related to his position on the Kansas Turnpike.

-more-

The first printing of Map No. 1 is 35,000 copies. Sales of the maps will be through the office of the American Association of Petroleum Geologists at Tulsa, Oklahoma.

\* \* \*

The national mapping project has resulted from success of the Texas Geological Highway Map, published first in 1959 by the Dallas Geological Society, with Oetking and Feray as the compilers. Later editions of the Texas map, published in 1963, brought its total printing to 47,000.

Geological maps, previous to the Texas issue, related surface and sub-surface features to railroads and surveying marks, rather than to cities, towns, and roads.

In both the Texas map and the new Mid-Continent map, the U. S. Coast and Geodetic Survey of the Environmental Science Services Administration has made major contributions of material, while enthusiastically supporting the AAPG project.

The Southern Rockies regional map, covering Utah, Colorado, Arizona, and New Mexico, will be produced next. Other areas are Pacific Northwest (Washington, Oregon and possibly Idaho), Northern Rockies (possibly Idaho, Montana and Wyoming), Northern Great Plains (North Dakota, South Dakota, Minnesota, Nebraska and Iowa), Great Lakes (Wisconsin, Michigan, Illinois, Indiana, and Ohio), New England (New York, Vermont, New Hampshire, Maine, Pennsylvania, New Jersey, Connecticut, Massachusetts, and Rhode Island), Pacific Southwest (California and Nevada), Mid-Atlantic (West Virginia, Maryland, Delaware, Kentucky, Virginia, Tennessee, North Carolina and South Carolina, and Southeastern (Mississippi, Alabama, Georgia and Florida). The present Texas map will stand as the eleventh unit in the series.

---4-20-66---al mitchell---14/17---