

## REPORTS

## GRANTS FOR RESEARCH OF THE GEOLOGICAL SOCIETY OF AMERICA

THE following twenty-four grants have been approved recently by the Geological Society of America, in support of special research projects:

Robert T. Hill, Dallas, Texas, \$1,200 to cover expenses connected with research in the history of geologic investigation in the Southwest.

F. M. Anderson, Berkeley, Calif., \$300, to cover cost of illustrations connected with study of the stratigraphy and faunas of the Cretaceous deposits of northern and central California and Oregon.

Christina Lochman, Chicago, \$1,000, to cover field, laboratory and office expenses for completion of memoir on the Upper Cambrian faunas of Montana, Wyoming and South Dakota.

R. S. Bassler, Washington, D. C., \$600, for photographic assistance in preparation of paper on the stony bryozoa (*Trepostomata*).

Richard Foster Flint, New Haven, \$475, to cover field and laboratory expenses connected with study of the Pleistocene drift borders across the Idaho-Washington line to the Cascade Mountains.

Charles A. Anderson, Berkeley, Calif., \$350, for rock analyses for study of the volcanic history of the Clear Lake area north of San Francisco.

John T. Rouse, Clinton, N. Y., \$425, for traveling and field expenses, study of the structure and tectonic history of the Absaroka volcanic area, Wyoming.

Charles H. Behre, Jr., Evanston, Ill., \$1,000, to cover traveling, field and laboratory expenses connected with an examination of the geologic setting of the great depression of the South Park, Colorado.

Duncan Stewart, Jr., Northfield, Minn., \$100, for thin sections in study of duplicate rock specimens from the Antarctic Archipelago and the South Orkney Islands.

James H. Gardner, Tulsa, Okla., and Donald C. Barton, Houston, Texas, \$550, for expenses connected with the running of precision levels on salt domes in Texas and Louisiana, in order to determine possible differences in elevation caused by movement in the salt domes during coming years.

H. W. McGerrigle, Hanover, N. H., \$500, for office expenses connected with study of the succession of faunas in the Philipsburg group of southern Quebec and northern Vermont.

H. R. Wanless, Urbana, Ill., \$600, for field and miscellaneous expenses connected with determination of the correlation of coal seams and other strata of the Pennsylvanian between the eastern interior coal field and the Appalachian coal field.

F. M. Carpenter, Cambridge, Mass., \$125, for expenses connected with the collecting of Permian fossil insects in Dickerson County, Kansas.

Julia Gardner, Washington, D. C., \$700, for traveling and office expenses and assistance connected with study of the Tertiary faunas of northern Mexico and their relation to the faunas of the eastern Gulf Province. (This investigation was supported in 1933 and 1934).

Norman D. Newell, Lawrence, Kansas, \$142, for traveling and field expenses for investigation of a fauna occurring in the Woodward formation in the Upper Cimarron Group.

Joseph A. Cushman, Sharon, Mass., \$1,500, for clerical and other assistance in completion of monograph of the foraminiferal family *Nonionidae*.

Lewis B. Kellum, Ann Arbor, \$2,000, to cover field expenses in connection with cooperative studies of the geologic history and structural development along the ancient continental margin in Coahuila and adjacent states. (This investigation was supported in 1933 and 1934).

Marcellus H. Stow, Lexington, Va., \$288, for traveling and field expenses and photographic supplies, connected with investigation of the Paleocene and Eocene sedimentation and stratigraphy in the western part of the Bighorn Basin.

W. H. Twenhofel, Madison, Wis., and Frank F. Grout, Minneapolis, Minn., \$1,000, for field and laboratory expenses of study of the accessory minerals in igneous rocks and pre-Cambrian sediments in the Lake Superior region. Half of this amount is to be expended by workers at the University of Minnesota and half by workers at the University of Wisconsin. (This investigation was supported in 1934).

Walter H. Bucher, Cincinnati, \$800, to cover traveling and field expenses and assistance in connection with investigation of the Heart Mountain overthrust in Wyoming.

Henry S. Sharp, New York, \$400, to cover traveling and field expenses connected with study of the origin, age, correlation and relationship to erosional surfaces in the adjacent plains, of the "Sub-summit" peneplain of the Beartooth Mountains.

Arthur D. Howard, New York, \$344, to cover traveling and field expenses connected with study of the history of the Grand Canyon of the Yellowstone.

Frank J. Wright, Granville, Ohio, \$475, for traveling and field expenses in connection with correlation of the erosion surfaces of the Bighorn Basin.

B. L. Miller and Maurice D. Ewing, Bethlehem, Pa., \$2,000, for field expenses, equipment, assistance and supplies connected with seismic work on the eastern Continental Shelf.

One hundred and thirty-three research grants made by the Geological Society since December, 1932, amounted approximately to \$125,000.

## GRANTS FOR RESEARCH OF THE AMERICAN PHILOSOPHICAL SOCIETY

GRANTS to support special research projects by the American Philosophical Society from April, 1934, to March, 1935, were announced at the annual meeting. The value of the awards ranges from \$50 to \$6,000. Recipients of the grants and their projects are:

HELLMUT DE TERRA, Peabody Museum of Natural History, Yale University, to enable him to study the geological background of early man in Northern India through