

Virginia, was accepted to hold the eighth annual meeting largely in Virginia. The Field Conference Committee consists of Dr. Arthur B. Cleaves, *chairman*, Professor Frank M. Swartz and Professor R. E. Sherrill.

ARTHUR B. CLEAVES,  
*Secretary-Treasurer*

### GRANTS OF THE GEOLOGICAL SOCIETY OF AMERICA

THE following twenty-seven grants in support of special research projects were authorized by the council of the Geological Society of America at a meeting held on April 24.

Maurice Ewing, Bethlehem. Grant of \$4,700 covering construction of apparatus suitable for use in work on the deep-sea floor and provision for necessary auxiliary apparatus, and measurement of the thickness of sedimentary deposits beyond the edge of the continental shelf by means of this apparatus.

Alfred S. Romer, Cambridge. Grant of \$3,500 covering assistance and incidental expenses involved in compilation of a bibliography of fossil vertebrates.

Edward B. Mathews, Baltimore. Grant of \$700 covering assistance and expenses in compiling published chemical analyses of rocks.

Nelson H. Darton, Washington, D. C. Grant of \$700 covering field and office expenses in completion of investigation of the overlap relations of Tertiary and Cretaceous formations in eastern Maryland and Virginia.

Bruce L. Clark, Berkeley. Grant of \$500 for assistance in completing monograph on radiolarians from the Cretaceous and Eocene of Middle California.

J. T. Rouse, Columbus. Grant of \$450 for field and other expenses connected with study of the volcanic rocks and related problems in the Shoshone Mountains, Wyoming.

David M. Delo, Appleton. Grant of \$35 for completion of illustrations for a monograph on the North American phacopid trilobites.

Mrs. Helen Tucker Rowland, Ithaca. Grant of \$300 covering traveling and office expenses connected with completion of monograph on the Caloosahatchie fauna of Florida.

A. C. Veatch, New York. Grant of \$3,000 covering preparation and printing of charts in study of submarine valleys off the Atlantic Coast, beyond the 1,000-fathom line.

Marcellus H. Stow, Lexington, Va. Grant of \$665 covering field and office expenses of study of sedimentation and stratigraphy of the northwestern part of the Big Horn Basin and the southern part of the Crazy Mountain syncline, Montana.

Mrs. Margaret F. Boos, Denver. Grant of \$350 for field and office expenses of detailed study of granite plutons of the Indian Creek area, Denver Mountain Park.

David T. Griggs, Cambridge. Grant of \$900 covering cost of building and installing a hydraulic press needed

in further studies of the mechanics of rock deformation under conditions of high pressure and high temperature.

Howard A. Coombs, Seattle. Grant of \$400 for field and office expenses of a comparative study of Mts. Rainier and Baker.

Vincent P. Gianella, Reno. Grant of \$200 for field and office expenses of investigation of piedmontite mineralization in metamorphosed volcanic rocks near Reno, Nevada.

Ralph W. Imlay, Ann Arbor. Grant of \$1,125 covering field and museum study and preparation of manuscript on Upper Jurassic marine faunas of northern Mexico and of certain critical areas for correlation of Jurassic and Lower Cretaceous stratigraphic sections.

Harry N. Eaton, Syracuse. Grant of \$100 covering field expenses of study of glacial advances in Allegheny County, New York.

J. Harlan Johnson, Golden, Colo. Grant of \$200 for laboratory and office expenses of study of algal limestones of the Upper Paleozoic section in the Rocky Mountain region.

Stuart A. Northrop, Albuquerque, N. Mex. Grant of \$300 for traveling, living and office expenses of study of the paleontology and stratigraphy of the Silurian Chaleur series of the Port Daniel-Black Cape region, Gaspé.

George M. Stanley, Ann Arbor. Grant of \$315 covering field and office expenses of study of lower Algonquin beaches in the Upper Great Lakes.

Perry Byerly, Berkeley. Grant of \$900 for assistance in study of northern California earthquakes, as recorded at the group of stations of the University of California.

Paul D. Krynine, New Haven. Grant of \$240 for traveling, field and laboratory expenses of sedimentary study of the Pleistocene deposits of the Bristol Gorge, Connecticut.

A. K. Miller and W. M. Furnish, Iowa City. Grant of \$500 covering assistance and office expenses of detailed study of Permian ammonoids of the Guadalupe Mountains and adjacent areas.

Everett C. Olson, Chicago. Grant of \$750 covering one half of the traveling and field expenses of an expedition to the Tambla locality, Province of Gracias, Honduras, to collect vertebrate fossils.

Arthur Keith, Washington, D. C. Grant of \$500 for field expenses connected with studies of the Appalachian folded belt in the Province of Quebec.

*Biological Abstracts*, Philadelphia. Grant of \$1,500 covering assistance in paleontological service.

T. T. Quirke, Urbana. Grant of \$983.50 covering assistance and laboratory expenses of studies directed to the measurement of the index of refraction of opaque or nearly opaque substances by reflection.

W. F. Prouty, Chapel Hill. Grant of \$1,000 covering field and other expenses connected with study of the origin of the bays in the Atlantic Coastal Plain area.

### RECENT DEATHS AND MEMORIALS

DR. PHILIP B. WOODWORTH, consulting engineer, formerly dean of the School of Engineering of Lewis Institute, Chicago, and president of the Rose Poly-

technic Institute, died on June 7 at the age of seventy-one years.

DR. HIRAM COLVER McNEIL died on June 8 at the age of seventy years. He was lecturer in chemistry at the George Washington University from 1910 to 1918 and head of the department from 1918 to 1933, when he retired. Dr. McNeil had previously been at various times a member of the U. S. Geological Survey, the Bureau of Chemistry and the National Bureau of Standards.

THE death on June 8 is announced at the age of eighty years of Victor Lieberman, at one time an associate of Louis Pasteur.

EMERITUS PROFESSOR ARTHUR GEORGE PERKIN, of the University of Leeds, distinguished for his work in

color chemistry, died on May 30 at the age of seventy-five years. He was the second son of the late Sir William Henry Perkin, founder of the coal tar color industry.

*Nature* reports the death of J. H. Field, formerly director of observatories in India, on May 19, aged sixty-four years, and of Professor Albert Griffiths, formerly professor of physics in Birkbeck College, University of London, on May 24.

A BRONZE plaque in memory of the late Roger Griswold Perkins has been erected by his friends in the reading room of the department of hygiene and bacteriology of Western Reserve University. Dr. Perkins was professor of preventive medicine from 1910 to 1930 and professor emeritus from 1930 to 1936.

## SCIENTIFIC NOTES AND NEWS

DR. EDWARD LAURENS MARK, Hersey professor of anatomy, emeritus, at Harvard University, director of the Zoological Laboratory from 1900 to 1921 and director of the Bermuda Biological Station for Research from 1903 to 1931, attained his ninetieth birthday on May 30. His friends and former students celebrated the occasion by writing letters expressing personal congratulation and appreciation of his important services to biological science. The letters, numbering about a hundred, were collected and substantially bound into a volume, which was informally presented to him on his birthday.

THE retirement in June of Dr. William Webber Ford as professor of bacteriology in the School of Hygiene and Public Health of the Johns Hopkins University is being made the occasion for the presentation of a token of regard from his former students and associates. A number of rare or unusual books in bacteriology and mycology have been chosen for the gift. Among these are early editions of the complete works of Fracastoro, Redi and Spallanzoni and the recently published *Icones Farlowianae* from Harvard.

DR. PHILIPP LENARD, professor of physics at the University of Heidelberg, celebrated his seventy-fifth birthday on June 7.

DR. G. F. HERBERT SMITH retired from the British Museum (Natural History) on May 26. He joined the staff of the museum in 1897, when he was attached to the mineral department. From 1921 to 1935 he acted as secretary of the museum, returning in the latter year to his original department as keeper.

DR. L. O. HOWARD has been elected an honorary member of the German Entomological Association, Berlin.

AMONG honorary degrees conferred at the hundred

and fifth commencement of New York University was the doctorate of science on Dr. Charles Franklin Kettering, president of the General Motors Research Corporation, and the doctorate of public health on Dr. James Alexander Miller, president of the New York Academy of Medicine.

WILLIS R. GREGG, chief of the U. S. Weather Bureau, received on June 7 the honorary degree of doctor of science from Norwich University. Colonel Porter H. Adams, president of the university, made the citation: "To Willis Ray Gregg, meteorologist and executive; chief of the United States Weather Bureau; pioneer in the study of the meteorological problems of aeronautics, who justly is acclaimed as a distinguished contributor to the advancement of the science of meteorology."

PROFESSOR H. H. NININGER, director of the Nininger Laboratory, curator of meteorites in the Colorado Museum of Natural History, Denver, and secretary-treasurer of the Society for Research on Meteorites, has been awarded the honorary degree of doctor of science at the fiftieth annual commencement exercises of McPherson College, Kansas.

MISS WINIFRED GOLDRING, assistant state paleontologist, New York State Museum, Albany, has received the honorary degree of doctor of science from Russell Sage College, Troy, N. Y.

DR. E. V. ALLEN, of the Mayo Clinic at Rochester, Minn., has been elected president of the section for study of peripheral vascular disease of the American Heart Association; Dr. Irving Wright, of the Post-Graduate Hospital, New York, has been elected vice-president, and Dr. Irvine H. Page, of the Hospital of the Rockefeller Institute, New York City, was re-elected secretary-treasurer.