will spend three months correlating the Carboniferous rocks of the Wasatch with those of the Uinta Mountains and those of southeastern Idaho. $285.

Geochemistry—$8,450.

Esper S. Larsen, Harvard University, will continue with the spectrographic determination of the rarer elements in groups of rocks from petrographic provinces. This work was begun under a previous grant from the society. $2,250.

W. J. Mead, the Massachusetts Institute of Technology, in cooperation with Robley D. Evans, directing the work of Clark Goodman and Patrick Hurley, will conclude the investigation of the determination of the age of rocks by the helium method. $6,000.

O. B. Muench, New Mexico Highlands University, will continue his investigation of the age of rocks and minerals by lead-uranium method by careful analysis of the minerals for lead, uranium and thorium. $200.

Geophysics—$3,400.

Rev. Daniel Linehan, S.J., Weston College, Massachusetts, will conduct a series of seismic surveys in the Triassic formations of the Connecticut Valley to determine their depths and the characteristics of the major faults. $400.

George P. Woollard, Princeton, N. J., is to make an areal gravitational and magnetic survey in the Atlantic Coastal Plain and Piedmont provinces from New Jersey at least through Virginia. Marked anomalies are known in the area, elevation data are largely available, and the geology is well enough known to play its vital role in interpretation. $3,000.

Glacial—$2,700.

J. Harlen Bretz and W. D. Jones, University of Chicago, will go to Alberta to map glacial moraines, correlate soil profiles with moraines and associated till sheets and study the relation of continental ice sheet moraines to the Cordilleran valley moraines in the latitude of Edmonton. $450.

Max Demorest, Yale University, will complete his program of laboratory research on the physics and deformation of ice. $100.

Hellmut de Terra, New School for Social Research, is to make a field study of late Quaternary glaciation in the Uinta Mountains in an effort to date certain Stone Age cultures discovered near Fort Bridger, Wyoming. $375.

Chauncey D. Holmes, University of Missouri, will devote eight weeks to mapping the boundary between the Nebraskan and Kansan drift sheets in Missouri. He will also endeavor to obtain data on direction of ice movement through study of preferred long-axis directions of embedded stones. $300.

Paul Mac Clintock, Princeton University, and Earl T. Apfel, Syracuse University, will work for ten weeks in the Salamanca re-entrant where the moraines of the Mississippi Valley region meet those of Pennsylvania and New Jersey. They are to correlate the Wisconsin drifts on the two sides of the re-entrant. $600.

Hakon Wadell, University of Chicago, will make a comprehensive survey of the esker problem. $600.

George W. White, University of New Hampshire, will study the drift border in eastern Ohio to determine whether there is more than one drift, the exact location of the drift limits and the mode of retreat of the last ice sheet. $275.

THE ANNUAL REPORT OF THE DIRECTOR OF FIELD MUSEUM OF NATURAL HISTORY

THE annual report of Dr. Clifford C. Gregg, director of Field Museum of Natural History, a book of more than 150 pages illustrated with ten collotype plates, appeared on August 6. The report is several months later than usual due to unusual conditions in the division of printing.

It is recorded that Marshall Field, a member of the board of trustees, made gifts to the museum amounting to $284,680. From Stanley Field, president of the museum, contributions totaling $22,700 were received. Mrs. James Nelson Raymond, founder of the James Nelson and Anna Louise Raymond Foundation for Public School and Children's Lectures, which provides special museum services, provided $6,000 to be used toward the operating expenses of the foundation. This foundation was established and endowed by Mrs. Raymond in 1925. Among other contributors are: Charles H. Schweppe, Chicago, $2,500; Mrs. Clarence C. Prentice, Chicago, $1,000; the Rockefeller Foundation, $1,000. Legacies received during the year include $10,000 from the late Frederick T. Haskell, and $8,000 from the late William B. Storey.

The General Electric X-ray Corporation, Chicago, presented to the museum an x-ray apparatus, fluoroscopic screens, mechanical devices for automatic control and timing and all other accessories for an exhibit in which an Egyptian mummy is shown intermittently with the projection of the x-ray image of its skeleton. Additions were made to the collection of Chinese ivory objects through a bequest of the late Louis L. Valentine. Large and unusual specimens of game fishes were presented by Michael Lerner, of New York.

In the introduction to his report, Major Gregg states:

> Again I am privileged to report substantial success in many lines of activity. Perhaps the principal emphasis has been placed upon the rehabilitation of the building itself. For several years financial conditions and the pressure of new construction and expansion have interfered to some extent with both ordinary and extraordinary maintenance of the splendid structure housing our collections. During the past year . . . necessary repairs have been made or are well under way.
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> The principal exhibition feature of note was the opening of the new Hall of Babylonian Archeology bringing to a culmination the work of about seventeen years, beginning with the Field Museum-Oxford University Expedition to Kish (1923–33).

Museum attendance for the year was 1,450,685, exceeding the number of visitors in the previous year by more than 40,000. It is pointed out that extramural educational activities, conducted by the Raymond Foundation and the N. W. Harris Public School Extension, brought the total number directly reached by museum activities up to nearly 2,200,000. Millions of others received scientific information from the museum through indirect channels such as radio, publications and press reports.

Detailed reports are given of the activities of the four scientific departments—anthropology, botany, geology and zoology; and of all other divisions of the museum, educational, administrative, public service, maintenance, library, etc. The report contains also a complete membership list.

U. S. CIVIL SERVICE EXAMINATIONS

THE U. S. Civil Service Commission reports that the Government continues its search for specialists in all branches of industry and business. The Federal Civil Service examination for industrial specialist, announced on July 7, has been amended to remain open for receipt of applications until further notice. The National Defense Program needs men with experience in one or more of the following fields: Iron and steel, non-ferrous metals, machine tools, ordnance, aircraft, marine and automotive equipment, railroad repair shops, radio and other electrical equipment, supplies and apparatus, textiles, forest products, paper, printing and publishing, chemicals and allied products, plastics, petroleum and coal products, rubber products, stone, clay and glass products, leather and its manufactures and food and kindred products. Salaries range from $2,600 to $5,600 in the various grades. No written examination is given.

Those trained in engineering are again called upon for government service. An examination will be given for engineering aids in two fields: photogrammetry and topography. Salaries range from $1,620 to $2,600 a year. Persons are particularly needed in the three lower grades (paying $1,620 to $2,000) in the field of photogrammetry. A written test will not be given but competitors will be rated on their education and experience. Although the completion of 14 units of high-school study is a basic requirement, applicants may substitute an additional six months' engineering experience. In addition they must have had responsible civil engineering experience, including some work in the optional branch selected.

To secure economists in all branches of economics for government service the commission announces an examination for positions paying from $2,600 to $5,600 a year. Applications will be accepted until further notice and will be rated as soon as practicable after receipt. Those who filed applications for the general economist examination announced in September, 1940, and who received eligible ratings need not file another application. However, if they wish to apply for a higher position, they should file a new application. Superintendents of building maintenance are needed by the Federal Works Agency. Positions are to be filled in public housing projects and public buildings in various sections of the country. The salaries range from $2,600 to $3,800 a year. Applications must be filed not later than August 26, 1941. A written test will not be given, but applicants must show experience of the proper scope and responsibility. To qualify as junior superintendent ($2,600 a year) four years of experience is required; for the superintendent positions ($3,200 a year) six years; and for the senior superintendent ($3,800 a year) nine years. Applicants for these positions must not have passed their fifty-fifth birthday.

Further information and application forms for these examinations can be obtained at any first- or second-class post office or from the Civil Service Commission in Washington.

SCIENTIFIC NOTES AND NEWS

DR. GEORGE D. BIRKHOFF, Perkins professor of mathematics at Harvard University, has been elected an honorary member of the London Mathematical Society.

THE degree of doctor of science has been conferred by McMaster University, Hamilton, Ontario, on Dr. Donald Church Balfour, director of the Mayo Foundation and past-president of the American College of Surgeons.

THE honorary degree of doctor of science was awarded at the commencement exercises of the University of Maryland to Dr. Wortley F. Rudd, dean of the School of Pharmacy of the Medical College of Virginia.

SIR ROBERT ROBINSON, Waynflete professor of chemistry at the University of Oxford, was awarded on August 6 the first Paracelsus Gold Medal of the Swiss Society of Chemistry.

PROFESSOR EMIL ABDERHALDEN, professor of physiology in the University of Halle, has been made an honorary member of the Society of Physics and Natural History of Geneva.

Nature states that Griffith Brewer has been elected president of the Royal Aeronautical Society for the