

stitute of Mining and Metallurgical Engineers in Tuscaloosa, Ala., conferred with W. H. Monroe, of the Geological Survey, regarding investigations of the geology around Livingston, Ala., and Jackson, Miss., and inspected bentonite deposits in Monroe County, Miss.

For the fifteenth consecutive field season, geologic work was conducted by the Federal Survey in Colorado in cooperation with the Colorado Geological Survey and the Colorado Metal Mining Fund. The following projects were in progress this season: Geologic mapping, commenced in 1938 in the Alta and Palmyra Basins, was continued by John S. Vhay; field work on the geology and ore deposits of the Red Mountain area, Colo., has been concluded by W. S. Burbank; A. H. Koschmann continued his study of structure and ore deposits in the Cripple Creek mining district, and E. N. Goddard completed a study of gold deposits at Gold Hill.

Field work connected with the remapping of the Eureka mining district, central Nevada, has been terminated for this season by T. B. Nolan. During the summer, Mr. Nolan devoted approximately a month to study of tungsten districts in Nevada, California and Arizona; E. N. Goddard completed field work on the manganese deposits of the Philipsburg district, Montana; Charles F. Park continued field work on manganese deposits of the Olympic Peninsula, Washington. Mr. Park, assisted by Russell G. Wayland, also examined manganese deposits in the Butte district, Montana; F. G. Wells mapped chromium deposits in the Grants Pass and Kerby quadrangles, Oregon. He also studied the Pilliken chromium mine, in Eldorado County, Calif.; field work on the geology and mineral deposits of the Seven Devils mining district, western Idaho, conducted in cooperation with the Idaho Bureau of Mines and Geology, has been concluded by R. S. Cannon.

On the evening of November 6, Dr. J. B. Mertie, Jr., of the Alaskan Branch of the Geological Survey, delivered a lecture before the New York Academy of Sciences in the American Museum in New York City. Dr. Mertie, who has a background of many field seasons in Alaska, took for his title the "Geological Features of Alaska."

Glenn L. Parker, district engineer of the Tacoma, Washington, district since May 31, 1913, has recently been appointed chief hydraulic engineer of the Water Resources Branch.

S. K. Love, of the Water Resources Branch, has returned from Idaho, where he has been determining run-off and silt removal from areas believed to be representative of different types of vegetative and timber cover and of various grazing practices. The investigation is being conducted by the Geological Survey in cooperation with the Flood Coordinating Committee of the U. S. Department of Agriculture.

A comprehensive study of the surface- and ground-water resources of southeastern Florida was recently begun by the Geological Survey in cooperation with the cities of Miami, Miami Beach and Coral Gables, and Dade County. A field office has been established at Miami with William P. Cross in general charge. The surface-water investigations are under the general supervision of Donald S. Wallace, district engineer, Ocala, Florida, and the ground-

water investigations under the general supervision of V. T. Stringfield.

AWARD OF THE EGGLESTON MEDALS OF THE SCHOOL OF ENGINEERING OF COLUMBIA UNIVERSITY

TWELVE distinguished graduates of the School of Engineering of Columbia University were presented at a special convocation on November 27 with the medals for "distinguished engineering achievement" established this year by alumni in memory of Professor Thomas Eggleston, who played the chief role in founding the school as the first School of Mines in the United States seventy-five years ago.

The medalists are:

Walter H. Aldridge, a member of the class of 1887, president of the Texas Gulf Sulphur Company.

Major Edwin H. Armstrong, '13, professor of electrical engineering at Columbia.

Marston T. Bogert, '94, professor emeritus of organic chemistry at Columbia.

Gano Dunn, '91, president of Cooper Union.

Arthur S. Dwight, '85, president of the Dwight and Lloyd Metallurgical Company, New York.

Henry Krumb, '98, New York, consulting engineer.

Irving Langmuir, '03, associate director of the General Electric Research Laboratory, Schenectady, N. Y.

Leon S. Moisseiff, '95, New York consulting engineer.

Robert Peele, '83, professor emeritus of mining at Columbia.

Sir Stephen J. Pigott, '03, managing director of the John Brown Company, Clydebank, Scotland.

Robert C. Stanley, '01, president of the International Nickel Company.

Arthur L. Walker, '83, New York consulting metallurgist.

The presentations were made by Dr. Nicholas Murray Butler, president of the university, in the rotunda of the Low Memorial Library, in connection with the anniversary celebration of the School of Engineering. Dr. William O. Hotchkiss, president of the Rensselaer Polytechnic Institute, spoke on "Seventy-five Years of Progress; Empirical Art to Technological Science," and Dr. Harvey N. Davis, president of the Stevens Institute of Technology, made an address entitled "Seventy-Five Years of Engineering Education."

In the future the Eggleston Medal will be awarded annually to a single alumnus who has "distinguished himself either in the furtherance of his branch or the profession, in the development of processes or of technique, or in the application of engineering principles."

RECENT DEATHS AND MEMORIALS

PROFESSOR GEORGE ERLE BEGGS, chairman of the department of civil engineering at Princeton University and a member of the faculty for twenty-five years, died on November 23. He was fifty-six years old.

LOUIS B. MARKS, illuminating engineer of New York City, died on November 22 at the age of seventy years.

DR. EARLE KENNETH STRACHAN, associate professor of chemistry at Brown University, died on November 21 at the age of fifty-three years.

DR. E. E. FREE, consulting chemist and physicist, editor of "The Week's Science," died on November 24 at the age of fifty-six years.

DR. HENRY CLINTON FALL, of Tyngsboro, Mass., the entomologist, died on November 14 in his seventy-seventh year.

DR. EDWARD PALMER POULTON, physician at Guy's Hospital, London; the elder son of Sir Edward Poulton, Hope professor of zoology at the University of Oxford from 1893 to 1933, died on October 18 at the age of fifty-six years.

MEMORIAL services for Dr. Jacob Goodale Lipman, dean of the College of Agriculture of Rutgers University and director of the New Jersey Agricultural Experiment Station, who died on April 19, were held on November 23 at Temple Emanu-El, New York. The services were sponsored by institutions, including Columbia and Rutgers Universities and the U. S. Department of Agriculture. The speakers included Dr. Henry G. Knight, head of the Bureau of Chemistry and Soils of the Department of Agriculture; Dr. Gabriel Davidson, general manager of the Jewish Agricultural Society; Professor O. S. Morgan, of the department of agriculture of Columbia University; Dr. Carl R. Woodward, secretary of Rutgers University; Dr. Harold B. Allen, of the National Farm School, and Dr. Arthur D. Goldhaft, of the Baron de Hirsch Agricultural School Alumni Association.

SCIENTIFIC NOTES AND NEWS

ROYAL Medals of the Royal Society, London, which is at present conducting its work at Trinity College, Cambridge, have been awarded for the current year as follows: To Dr. P. A. M. Dirac, professor of mathematics at the University of Cambridge, for the leading part he has taken in the development of the new quantum mechanics, and to Professor David Keilin, Quick professor of biology at the University of Cambridge, for his contributions to biochemistry and entomology; in particular for his demonstration of the part played by cytochrome in the oxidation reduction mechanisms of the living cell; and for his studies of the higher Diptera.

SIR ARTHUR SMITH WOODWARD, until his retirement in 1924 keeper of the Geological Department of the British Museum of Natural History, has been awarded the Hayden Memorial Geological Medal of the Academy of Natural Sciences of Philadelphia. The medal, which is awarded every three years, was given in recognition of "notable contributions in the field of vertebrate and invertebrate paleontology."

THE Anthony F. Lucas Gold Medal for 1940 of the American Institute of Mining and Metallurgical Engineers has been awarded to Dr. Everette Lee DeGolyer, consulting petroleum geologist of Dallas, Texas, in recognition of "distinguished achievement in improving the technique and practice of finding and producing petroleum" and as "one of the first to visualize the possibilities of the application of geophysics to oil prospecting."

THE German Goethe Medal for art and science has been awarded to Dr. Franz Fischer, director of the Kaiser Wilhelm Institute for Research on Coal, situated at Mülheim in the Ruhr.

At the recent meeting of the Acoustical Society of America at Iowa City, a luncheon was given in honor of Dr. Carl E. Seashore, research professor of psychology at the State University of Iowa, and of Dr. George W. Stewart, professor of physics and head of the department, in recognition of their contributions to acoustics. On the same evening former students and friends of Professor Seashore gave a musical soiree in recognition of his contributions to the science of music, and presented a bronze bust, which was accepted by President Gilmore as a gift to the university.

A LUNCHEON was given in New York on November 22 by the American Association of University Women in honor of Dr. Katharine B. Blodgett, research physicist in the laboratories of the General Electric Company at Schenectady, N. Y.; Dean Virginia Gildersleeve, of Barnard College; Dr. Harry David Gideonse, president of Brooklyn College, and William E. Haskell, Jr., assistant to the president of *The New York Herald-Tribune*.

DR. CHARLES F. BOLDUAN, director of the Bureau of Health Education of the Health Department, New York City, was the guest of more than a hundred co-workers on November 22 at a surprise party in the Health Building to celebrate the thirty-fifth anniversary of his work for public health.

THE degree of doctor of science has been conferred by the University of London on Dr. Niels Bohr, director of the Institute of Theoretical Physics at the University of Copenhagen, and on Sir Robert Robinson, professor of chemistry at the University of Oxford. Because of the war and the absence of the university from London, it will not be possible this year to confer honorary degrees at the Senate House