

scientific sessions and annual dinner of the Geological Society. Luncheons are planned by the Mineralogical Society on Wednesday, December 28, and by the Society of Economic Geologists on Thursday, December 29.

Lay explanations of the role of geology in everyday life and its contributions to the development of the United States will be presented over the radio during the meeting in a series of broadcasts sponsored by the society. More than fifty exhibits, dramatizing the work of geology in all its branches, are being arranged by Dr. E. H. Colbert, of the American Museum of Natural History, chairman of the exhibits committee.

The presidential address will be delivered by Dr. Day on Thursday night, at a special session in the American Museum of Natural History, Central Park West and 77th Street. The annual smoker will follow Dr. Day's address. Dr. Day retires from office at the close of the meeting and will be succeeded by a fellow whose election will be announced during the meeting.

More than a hundred scientific papers reporting the progress of research on a variety of geological subjects will be given during the morning and afternoon sessions of December 28 and 29. The meeting will close on Friday night, December 30, with the annual dinner.

The program will include the presentation of the Penrose medal, given for "eminent research in geology" to a geologist to be named that night. It will be the tenth award of the medal since it was established under a bequest by the late Dr. R. A. F. Penrose, Jr., in 1927. Dr. T. Wayland Vaughan, of Washington, D. C., first vice-president of the society and chairman of the medal committee, will introduce the medalist. Dr. Day will make the presentation.

Geology in and around New York City will be studied by visiting geologists during a series of five excursions on Saturday. Open house will be maintained during the meeting at the national headquarters of the Geological Society at 419 West 117th Street. Professor Paul F. Kerr, of Columbia University, general chairman, is being assisted by a committee composed of forty-two local geologists.

Dr. Day is chairman of the special committee that is arranging the semi-centennial observance. Assisting him are Dr. Charles P. Berkey, of Columbia University, secretary of the society; Professor Chester R. Long-

well, of Yale University; Professor Donald H. McLaughlin, of Harvard University; Professor Arthur F. Buddington, of Princeton University, and Joseph Stanley-Brown, of Kew Gardens, L. I., chairman of the finance committee.

RECENT DEATHS AND MEMORIALS

DR. ALLEN ROGERS, supervisor of the department of chemical engineering at Pratt Institute, Brooklyn, since 1920, died on November 4 at the age of sixty-two years.

PROFESSOR LEONARD STANLEY DUDGEON, professor of pathology at the University of London, dean of St. Thomas's Hospital Medical School and director of pathology and bacteriology at the hospital, died on October 22.

A CORRESPONDENT writes: "The death at the age of thirty-one years has been announced of L. G. Schnirelmann, one of the foremost mathematicians of the younger generation of the U.S.S.R."

AN inscribed stone has been fixed by the London County Council at No. 32, Soho Square, W.I., London, recording the fact that Sir Joseph Banks, president of the Royal Society, and Robert Brown and David Don, botanists, lived at the house which formerly stood on the site, and that the Linnean Society met there from 1821 to 1857.

ON the occasion of the Virginia convention of the American Association for the Advancement of Science, which will meet in Richmond from December 27 to 31, the Virginia Section of the American Chemical Society has taken steps to give honor to Virginia's first state geologist, W. B. Rogers, for whom Mount Rogers in southwest Virginia is named. The section has been requested by officials of the national organization to sponsor a tour which will include a visit to White Top and Mount Rogers. One of the proposals for the memorial is the erection of a tower of native rock on the summit of Mount Rogers, which commands a view of five states. Dr. Rogers took part in the formation of the Association of American Geologists and Naturalists. He was named president of this group in 1848, when the society was transformed into the American Association for the Advancement of Science. He was elected president of the American Association in 1876.

SCIENTIFIC NOTES AND NEWS

DR. ROBERT W. WOOD, who retired this year from the professorship of experimental physics at the Johns Hopkins University, has been awarded the Rumford Medal of the Royal Society in recognition of his work in physics and optics. Dr. Wood is a foreign member

of the society. The Rumford Medal was founded by Benjamin Thompson Rumford, who died in 1814.

DR. WILLIAM LOWE BRYAN, president emeritus of Indiana University, previously professor of philosophy at the university, has sent in his resignation as a

trustee of the Carnegie Foundation for the Advancement of Teaching. He will attend his last meeting of the foundation in New York on November 16. Dr. Bryan was appointed a trustee of the foundation in 1910, succeeding Woodrow Wilson, who had resigned to become governor of New Jersey.

MAJOR GENERAL WILLIAM H. TSCHAPPAT, formerly chief of ordnance of the U. S. Army, who retired from active service on June 2, has been elected an honorary member of the American Society of Mechanical Engineers.

J. R. TOWNSEND, materials standards engineer of the Bell Telephone Laboratories, New York City, has been elected a member of the executive committee of the American Society for Testing Materials. He takes the place vacated by Allen Rogers, who recently resigned because of ill health and who died on November 4.

PRESENTATION of the Chemical Industry Medal of the Society of Chemical Industry, awarded annually for valuable application of chemical research to industry, was made to Dr. J. V. N. Dorr, president of the Dorr Company, at a joint meeting of the American Section of the Society of Chemical Industry and the American Chemical Society at the Chemists' Club on November 4. The award was made to Dr. Dorr, "in recognition of his inventions and subsequent worldwide introduction of apparatus and processes in many chemical, metallurgical and sanitational operations which have made possible low cost production on a large scale." The presentation was made by Victor G. Bartram, of Montreal, Canada, president of the Society of Chemical Industry. Dr. Howard C. Parmelee, vice-president of the McGraw-Hill Publishing Company, spoke on the life and accomplishments of the medalist. Dr. Wallace P. Cohoe, chairman of the American Section of the Society of Chemical Industry, presided.

THE Clement Cleveland Medal "for outstanding work during the year in the campaign to control cancer" was presented to the National Association of Science Writers at the twelfth annual dinner meeting of the New York City Cancer Committee, which was held on November 2. Mrs. Robert G. Mead presented the medal to William L. Lawrence, a member of the staff of *The New York Times*, who was designated by Thomas Henry, president of the association, to accept the medal in behalf of his associates.

SIR D'ARCY POWER was elected president of honor of the International Society of Surgery at the eleventh meeting of the International Congress of Surgery held at Brussels last month. He was one of the founders of the society and was for many years the honorary local secretary for Great Britain and Ireland.

Nature writes: "The impending retirement of Sir Daniel Hall from the directorship of the John Innes Horticultural Institution will presumably close his very long connection with agricultural administration and research. From the time when he was the first principal of the South Eastern Agricultural College, Wye, and throughout his directorship of the Rothamsted Experimental Station, his tenure of office as principal scientific adviser to the Ministry of Agriculture and Fisheries, and lately as director of the John Innes Institution, Sir Daniel has impressed all by his knowledge, his sound judgment and tact, and not least by his great ability as a writer and speaker."

DR. GEORGE C. SHATTUCK has been promoted to a clinical professorship of tropical medicine in the Harvard Medical School and the Harvard School of Public Health.

PROFESSOR F. F. NORD, of the University of Berlin, has been appointed professor in organic chemistry at Fordham University.

DR. ALFRED F. HUETTNER has resigned his professorship at Washington Square College, New York University, and has become associate professor in biology at Queens College, Flushing, N. Y.

DR. JOHN J. LIVINGOOD, who has been working in cooperation with Professor E. O. Lawrence, of the University of California, with the cyclotron, has been appointed instructor and tutor in physics at Harvard University.

DR. SOMA WEISS, associate professor of medicine at the Harvard Medical School and assistant director of the Thorndike Memorial Laboratory at the Boston City Hospital, has been appointed physician-in-chief of the Peter Bent Brigham Hospital, to succeed Dr. Henry A. Christian, who has resigned.

DR. GANO DUNN, president of the J. G. White Engineering Corporation, has been elected director of the RCA Manufacturing Company.

DR. ROBERT B. SOSMAN, since 1928 physical chemist of the Research Laboratory of the United States Steel Corporation, Kearny, N. J., has been made a member of the Bartol Research Foundation Committee of the Franklin Institute.

THOMAS G. STITTS, formerly in charge of research and service work in the cooperative division in dairying of the Farm Credit Administration, has become head of a new subdivision of cooperative research and service of the division of research.

DR. PAUL DEVER MILLER, assistant in the departments of chemistry and physics of the Ohio State University, and Dr. George R. Waitkins, associated with

the Solvay Process Company and the Agfa Anseo Company, have joined the technical staff of the Battelle Memorial Institute, Columbus, Ohio. Dr. Watkins will be concerned with problems in industrial organic chemistry and Dr. Miller with problems of physical chemistry.

DR. HAROLD ST. JOHN, of the Bishop Museum and the University of Hawaii, returned in September to Honolulu from a four-months botanical expedition to Rotuma Island under the auspices of the Carnegie Corporation. Rotuma is an isolated volcanic island in the South Pacific Ocean, eight miles long, 860 feet high. It is populated by a handful of whites and 2,900 native Polynesians. Its flora was completely unknown. Dr. St. John returned with collections of the native and introduced plants and of the economic plants used by the natives. The collections total 5,000 sheets and include many new species.

DR. B. E. DAHLGREN, chief curator of botany at the Field Museum of Natural History, has returned from a brief visit to northern Brazil. He brings material required for the preparation of proposed dioramas showing groups of tropical plants in scenes reproducing their native habitats. Studies and collections were made of palms and other plants in the state of Para along the Amazon and Tapajoz Rivers. Besides plant material, he obtained an extensive series of photographs which will guide the preparators in reconstructing the South American landscapes and preparing the ecological groups of plants, which are to be features of the Hall of Plant Life.

DR. MYRON GORDON, who from 1925 to 1937 was in charge of the fish genetics laboratory of the department of zoology of Cornell University, has been appointed a fellow of the John Simon Guggenheim Memorial Foundation for the year beginning on October 1. He will study the geographical distribution and variation of the platyfishes of the streams of the Atlantic drainage of Mexico. Stocks of all the species will be brought back to reestablish the genetics experiments formerly conducted at Cornell University.

IN connection with the recent allotment of funds to the Geological Survey by the Public Works Administration for studies of strategic minerals, D. F. Hewett spent from October 5 to 7 in field conferences with H. G. Ferguson, Ward Smith and R. M. Dreyer, who are engaged in studies of nickel deposits in the Table Mountain district, tungsten deposits in the Lovelock quadrangle, and mercury deposits in the Goldbanks district, Nevada, respectively. Later Mr. Hewett engaged in a brief review of the geology of the Death Valley region, in company with L. F. Noble.

ON sabbatical absence from Smith College for the

first semester are: Gladys A. Anslow, professor of physics; Dorcas Brigham, assistant professor of botany; Elizabeth F. Genung, associate professor of bacteriology, and Caroline E. Heminway, assistant professor of geology; on sabbatical absence for the second semester will be: Gilbert H. Ayres, associate professor of chemistry; Robert F. Collins, associate professor of geology. On leave of absence for the year is Margaret Kemp, assistant professor of botany.

PROFESSOR S. O. MAST, of the Johns Hopkins University, will deliver on November 21 the second William Keith Brooks lecture at Greensboro College, North Carolina. The first lecture was given by Professor A. S. Pearse, of Duke University.

DR. A. ASHLEY WEECH, associate professor of diseases of children, College of Physicians and Surgeons, Columbia University, will deliver the second Harvey Society lecture of the current series at the New York Academy of Medicine on November 17. He will speak on "The Significance of the Albumin Fraction of Serum."

DR. CHARLES F. BROOKS, director of the Blue Hill Observatory of Harvard University, spoke before the American Geographical Society of New York on November 1 on the September hurricane and on the methods of predicting such storms.

DR. OSCAR RIDDLE, of the department of genetics of the Carnegie Institution at Cold Spring Harbor, gave an address at Queens College, Flushing, N. Y., on the evening of October 26. He spoke on "The Life-Sciences and Modern Man."

DR. CHARLES PALACHE, emeritus professor of mineralogy and curator of the mineralogical museum at Harvard University, addressed the Boston Mineral Club on November 1 at the lecture hall of the Geological Museum, Harvard University. The title of his lecture was "Forty Years of Mineral Collecting around Boston."

PROFESSOR PHILIPP FRANK, of the German University of Prague, lectured at the Iowa State College on November 7 under the auspices of the Research Council on "Philosophical Interpretations and Misinterpretations of the Quantum Theory" and under the sponsorship of Sigma Xi on "Modern Physics and Common Sense." Dr. Harold T. Stearns, senior geologist of the U. S. Geological Survey, lectured on October 13 and 14 on the geology and volcanology of Hawaii.

DR. CLAUDE E. ZOBELL, professor of marine microbiology at the Scripps Institution of Oceanography, La Jolla, Calif., and Professor B. M. Duggar, of the department of botany of the University of Wisconsin, were the guest speakers at the autumn meeting of the

North Central Branch of the Society of American Bacteriologists held in Madison on October 21. Dr. ZoBell gave an illustrated lecture on "The Occurrence and Importance of Bacteria in the Sea"; Professor Duggar spoke on "Some Effects of Radiations upon Microorganisms."

THE fortieth annual meeting (the 225th regular meeting) of the American Physical Society will be held at the National Bureau of Standards in Washington, D. C., on Tuesday, Wednesday and Thursday, December 27, 28 and 29. Dr. Lyman J. Briggs, director of the National Bureau of Standards and president of the society, will give an address on Wednesday afternoon on "The National Standards of Measurements." This will be followed by an inspection of the standards in the laboratories. The program will include a joint dinner with the American Association of Physics Teachers on Wednesday evening. Headquarters of the society will be at the Wardman Park Hotel.

THE North Midwest Section of the Society for the Promotion of Engineering Education held its fourth annual meeting at the Michigan College of Mining and Technology at Houghton, Mich., on October 7 and 8. Dr. J. H. Mathews, head of the department of chemistry at the University of Wisconsin, gave an illustrated public lecture on "The Scientific Detection of the Criminal"; Professor M. L. Enger, dean of the College of Engineering of the University of Illinois, discussed "Academic Salaries"; group conferences and inspection trips were also included on the program. Professor E. B. Kurtz, of the State University of Iowa, will act as chairman of the 1939 meeting, which will be held at the university in Iowa City. He succeeded Professor George W. Swenson, of the Michigan College of Mining and Technology.

THE first forum meeting of the American Institute, New York, on "The Impact of Science on Society," was held on Thursday, November 10. Dr. Howard W. Haggard, who has been asked to serve as permanent chairman for the forums, presided. The subject of the first meeting was "Does Longer Life Mean More Happiness?" Dr. Alfred J. Lotka, president of the Population Association of America, assistant statistician of the Metropolitan Life Insurance Company, was the principal speaker; Dr. Louis I. Dublin, of the Metropolitan Life Insurance Company; Dr. Daniel Prescott, of Rutgers University, and Dr. Mordecai Ezekiel, of the Social Security Board, joined in the discussion.

LECTURES announced for the coming season by the Lancaster Branch of the American Association for the Advancement of Science are as follows: October

27, "The Gates of the Antarctic," by Dr. Robert Cushman Murphy, curator of oceanic birds, American Museum of Natural History; November 17, "How Fast Can You Read?," by Dr. Charles H. Judd, director of education for the National Youth Administration, previously professor of education and head of the department of psychology, University of Chicago; December 5, "The Magic of Fluorescence," by Dr. H. H. Willard, professor of chemistry, University of Michigan; January 19, "Is there Telepathy?," Dr. Joseph Jastrow, emeritus professor of psychology, University of Wisconsin, speaker on the National Broadcasting Company Network; February 9, "Chemical Secrets in Plant Growth," by Dr. P. W. Zimmerman, plant physiologist, the Boyce Thompson Institute; March 9, "Dairying Down Under," by Dr. R. B. Stoltz, chairman of the department of dairy technology, the Ohio State University; April lecturer to be announced.

ANTI-CANCER week will be celebrated in France from November 23 to 30, under the auspices of the International Union against Cancer, of which Senator Justin Godart is president. It is planned to commemorate during the week the discoveries of x-rays and radium and the developments in physics following the discovery of the electron and Hertzian waves. The program is divided into the four following sections: 1. Physics of the Electron. 2. Physics and Biological Action of X-rays. 3. Physical and Biological Studies on Radioactivity. 4. Physical and Biological Studies on the Hertzian or Short Waves. Dr. Jean Perrin, professor of physics in the University of Paris, will preside.

THE *British Medical Journal* states that the twenty-sixth French Congress of Medicine, which was to have been held at Marseilles on September 26, was postponed until November 10 to 13. The following congresses which were to have been held this month have been indefinitely postponed: the twenty-fifth French Congress of Hygiene, the fourth annual Congress of French-speaking Electroradiologists and the Franco-Yugoslav Medical Congress. The next congress of the Latin Medical Press, which was to have been held at Lisbon this year, has been postponed until the end of next summer.

THE Public Works Administration has appropriated \$403,100 for the improvement of national parks in California. Yosemite National Park and Lassen Volcanic National Park received \$202,100 and \$76,500, respectively, with smaller allocations made to Sequoia and General Grant national parks and Death Valley and Lava Beds national monuments. The total allotment for the National Park Service amounted to \$2,000,000.