

An interesting feature of the general sessions will be a symposium on eclipses and relativity, in which noted astronomers and physicists will participate. The preliminary announcement giving further details of the arrangements will be issued about June 15.

### SCIENTIFIC NOTES AND NEWS

DR. GEORGE CRILE, of the Western Reserve University Medical School, was elected president of the American Surgical Association at the recent Cleveland meeting.

DR. HARVEY W. WILEY, president of the United States Pharmacopeial Convention 1910-1920, has been elected an honorary member of the Pharmaceutical Society of Great Britain. This society, like the United States Pharmacopeial Convention, is charged with the duty of keeping the pharmacopeia up to date.

SECRETARY OF WAR WEEKS has announced the award of the Distinguished Service Medal to C. H. MacDowell, for service as head of the chemical branch of the War Industries Board during the war. Mr. MacDowell is now president of the Armour Fertilizer Works, Chicago.

WE learn from *Nature* that Professor L. Cayeux, Paris; Professor John M. Clarke, director of the New York State Museum; Professor H. Douvillé, Paris; and Professor Waldemar Lindgren, Massachusetts Institute of Technology, have been elected foreign members of the Geological Society, London. Among the foreign correspondents elected are Professor R. A. Daly, Harvard University; Professor J. F. Kemp, Columbia University; and Dr. F. E. Wright, Geophysical Laboratory of the Carnegie Institution.

MR. A. F. BASSET HULL has been elected president of the Linnean Society of New South Wales. J. P. Hill, professor of zoology and comparative anatomy in the University of London, and J. T. Wilson, professor of anatomy in the University of Cambridge, formerly professor in the University of Sydney, have been elected honorary members of the society.

PROFESSOR FRANK S. CAREY, of the University of Liverpool, retires at the end of the academic year after thirty-seven years' service as professor of mathematics.

At the annual meeting of the New Haven Branch of the American Society of Mechanical Engineers on May 21 tribute was paid to Professor L. P. Breckenridge, of Yale University, who retires this year from active teaching, after forty years of service. Professor Breckenridge addressed the meeting on "The past and future of engineering." Fred J. Miller, past president of the American Society of Mechanical Engineers, presented Professor Breckenridge with an illuminated testimonial signed by all the members of the New Haven Branch. A binocular microscope, the gift of all the members of the mechanical-engineering department of Yale University, was presented to him at luncheon earlier in the day.

DR. CHARLES I. ROBINSON, chief chemist in the research laboratory of the Bayway refinery of the Standard Oil Company, at Elizabeth, N. J., retired on May 5, after thirty-seven years of continuous service and will receive an annuity. A dinner in his honor was given by his associates on May 9.

AFTER twenty-six years of service with the Solvay Process and Semet-Solvay Companies, Syracuse, New York, Alexis C. Houghton has resigned his position as chief chemist, to enter the employ of the Bakelite Company, New York City, where he will have charge of the phenol plant.

MR. M. AUROUSSEAU, petrologist at the geophysical laboratory of the Carnegie Institution of Washington, resigned on May 15 to join the scientific staff of the American Geographical Society, New York City.

DR. L. O. HOWARD, chief of the Bureau of Entomology of the United States Department of Agriculture, is in Europe attending the meeting at Paris of the Eleventh International Congress of Agriculture, of which he has been elected a vice-president.

DR. P. I. WOLD, professor of physics at Union College, has accepted an invitation from the Rockefeller Foundation to spend a year as visiting professor of physics in China on behalf of the China Medical Board. Dr. and Mrs. Wold will leave this country about the middle of July and will have their headquarters in Tientsin.

DR. A. C. SPENCER has been granted leave of absence for a month from the United States Geological Survey to do professional work in Cuba.

MR. K. C. HEALD, geologist, of the United States Geological Survey, is on leave of absence for several months to give a course of lectures on petroleum geology at the University of Chicago.

PROFESSOR MADISON BENTLEY, head of the department of psychology at the University of Illinois, is lecturing upon psychology during the intersession of the summer session of the University of California. He is spending a year's leave of absence from Illinois in research and writing at the University of California.

DR. MORTIMER E. COOLEY, dean of the Colleges of Engineering and Architecture, University of Michigan, and president of the Federated American Engineering Societies, delivered the commencement address at the Armour Institute of Technology on May 31. His subject was "The responsibility of education." On this occasion Dr. Cooley was given the honorary degree of Doctor of Science.

JOHN LYLE HARRINGTON, president of the American Society of Mechanical Engineers, delivered a series of five lectures at the University of Texas from May 21 to 24. Mr. Harrington's subjects were: "The relation of the engineer to America's further development," "The part of the engineer in the advance of civilization," "Movable bridges," "The design of industrial plants" and "After graduation what?"

DR. CHARLES ZELNY, of the University of Illinois, lectured at the University of Kentucky before the Kentucky Chapter of the Society of the Sigma Xi on May 25, on "Some phases of research on heredity."

At the annual meeting of the Institute of Physics held in the rooms of the Royal Society on May 30, Sir Joseph Thomson gave the presidential address. He has recently visited the United States and discussed the position of industrial research here in physics.

THE Huxley lecture at the University of Birmingham was delivered on June 7 by Sir Arthur Keith, whose subject was "The origin of the British people."

OXFORD UNIVERSITY has authorized the presentation of an address to the Universities of Paris and Strasbourg on the occasion of the celebration of the centenary of the birth of Louis Pasteur.

A NOVEL feature of the meeting of the British Association at Liverpool, to be held from September 12 to 19, will be a scientific exhibition at which there will be exhibits of apparatus in connection with each section of the association and others showing recent advances in applied science.

AFTER a visit to the Brooklyn Institute of Arts and Sciences on June 2 and seeing the need for extension by Mayor Hylan, it was voted at a meeting of the committee of the whole of the Board of Estimate of New York City to recommend the appropriation of \$1,050,000 for the construction of two wings to the buildings. The amount was \$100,000 more than the institute had asked for. The committee also recommended, subject to the approval of Aldermanic President Murray Hulbert, who was not present, an appropriation of \$86,000 for the construction of a third story on the city aquarium, the amount to include finishing the front of the structure and fireproofing the building.

A LETTER from the State Epidemiological Institute in Warsaw, Poland, announces the establishment of a new medical publication: *Journal of Experimental Medicine*, which will provide a medium for original publications for Polish scientific men, now completely lacking. One thousand subscribers are required, of which number only 240 are available at present. It is hoped that Polish physicians in this country and also libraries will subscribe or help in some suitable way. Those interested should forward their names and addresses to Dr. Casimir Funk, 437 West 59th Street, New York City. Medical publications who have Polish physicians among their subscribers are requested to insert this notice.

THE next meeting of the American Electrochemical Society will be held in Dayton, Ohio, on September 27, 28 and 29, 1923. The plans for this meeting include: A symposium on electrochemistry of gaseous conduction, which is in charge of Dr. Duncan MacRae, research laboratory, Westinghouse Lamp Company, Bloomfield, New Jersey; a symposium on recent

progress in electrolytic refining, Chairman F. R. Pyne, United States Metals Refining Company, Carteret, New Jersey. An innovation at this meeting will consist of round table discussions on the following four subjects: "Electric furnace brass foundry practice," "Organic electrochemistry," "Chlorine," "Electroplating." Trips to local plants will be made.

DR. EDMUND OTIS HOVEY, curator of the department of geology and invertebrate paleontology in the American Museum of Natural History, will sail from Vancouver, B. C., on June 29, for Sydney, Australia, where he will attend the meetings of the second Pan-Pacific Scientific Conference as the representative of the museum. He will also represent the New York Academy of Sciences. The conference is to be held in Melbourne and Sydney from August 13 to September 3. Dr. Hovey will visit various places of geological interest in Australia and on his way back to America will make a tour of the most important geological localities in New Zealand. One purpose of the trip is to obtain information which will be of value in the construction of additional geological relief models at the museum. Another purpose is to establish exchange relations with the museums in New Zealand and to extend those now enjoyed with the museums of Australia.

THE aggregate receipts of the German-Austrian Fund (Graham Lusk, treasurer) amounted to \$2660.26, subscribed to by eighty-eight American scientists in sums ranging from \$5 to \$450. The money was distributed among thirty-three German-Austrian medical laboratories which were designated by the donors in sums ranging between \$25 to \$300. The account has been closed and has been audited by Dr. Rufus Cole. The following letter is a typical response: "Please accept my most grateful thanks for your most generous gift. Almost daily I think with gratitude of the help which my department has received from America. I am fully aware of the fact that, but for this help, it would have been impossible to continue our classes and scientific investigations."

#### UNIVERSITY AND EDUCATIONAL NOTES

ANNOUNCEMENT has been made of the merger of the Moore School of Electrical Engineer-

ing, provided for in the will of the late Alfred Fitler Moore, and the School of Electrical Engineering of the University of Pennsylvania. The new school will be known as the Moore School of Electrical Engineering and will have the income from a fund of \$1,500,000.

DR. WILLIAM D. CUTTER, for the past several years secretary of the New York State Board of Medical Examiners, has resigned to become dean of the New York Postgraduate Medical School and Hospital.

THE following promotions and appointments in the clinical staff of Stanford University School of Medicine, San Francisco, are announced: Dr. William P. R. Clark, professor of medicine in charge of tuberculosis work; Dr. Leo Eloesser, clinical professor of surgery; Dr. Philip K. Gilman, clinical professor; Dr. John A. Bacher, professor of surgery in diseases of the ear, nose and throat; Dr. Harry L. Langnecker, professor of orthopedic surgery and in charge of physiotherapy; Dr. James A. Cutting, clinical professor of medicine to conduct classes in psychiatry.

ASSISTANT PROFESSOR LLOYD L. SMAIL, of the University of Washington, has been appointed to an assistant professorship of mathematics in the University of Oregon.

DR. CARL A. MURCHISON, professor of psychology at Miami University, has been appointed full professor of psychology at Clark University. He will fill the vacancy caused by the resignation of Dr. Kimball Young.

PROFESSOR LEONARD BAIRSTOW has been appointed as from September first next to the Zaharoff chair of aviation tenable at the Imperial College of Science and Technology, London. He has been head of the aeronautical department of the National Physical Laboratory and since 1920 has been professor of aerodynamics at the Imperial College.

#### DISCUSSION AND CORRESPONDENCE

##### THE PENNSYLVANIA OF NORTH CENTRAL TEXAS

WHEN I was at Lota, Chile, I found the federal gendarmerie guarding the property of the Chilean Coal Company—an entirely private