

Dr. Millikan responded with an address on "Available Energy."

The technical sessions of the meeting included reports on the application of glass to the chemical industries, on American production of potash, on the refining of petroleum and the characteristics of anti-knock motor fuels, on modern Duco lacquers and on chemical methods of shortening the rest period of plants.

The visitors will leave New York on September 8, the majority sailing for Liverpool by the *Celtic*.

SCIENTIFIC NOTES AND NEWS

At the fourth International Entomological Congress, held at Cornell University, Dr. W. J. Holland, of the Carnegie Museum, was on August 16, his eightieth birthday, by acclamation elected an honorary member of the congress. On the following day the same honor was, likewise by acclamation, conferred upon Dr. S. A. Forbes, chief of the Illinois Natural History Survey, who celebrated his eighty-fourth birthday in the spring. Dr. Holland and Dr. Forbes, who took an active part in the congress, share this honor with one other American, Dr. J. H. Comstock, of Cornell University, now in his eightieth year.

DR. JOHN J. R. MACLEOD, professor of physiology in the University of Aberdeen, has been awarded the honorary degree of doctor of laws by Western Reserve University, where he was formerly a professor in the medical school.

JOHN HAYS HAMMOND and Colonel William B. Thompson have been elected to honorary membership in the American Institute of Mining and Metallurgical Engineers. There are three other Americans who have been awarded this honor. These are Mr. Herbert Hoover, Dr. Robert H. Richards, professor emeritus at the Massachusetts Institute of Technology, and Dr. Henry S. Drinker, president emeritus of Lehigh University.

DR. EDWARD R. WEIDLEIN, director of the Mellon Institute of Industrial Research and president of the American Institute of Chemical Engineers, has been elected an honorary member of the Institution of Chemical Engineers of Great Britain.

At the recent Dublin meeting the honorary fellowship of the Royal Institute of Public Health was conferred upon Mr. Richard Mulcahy, minister for local government and public health, "in recognition of his eminent services to public health."

DR. PAUL LANGEVIN, professor of general and experimental physics in the University of Paris, has

been elected an honorary member of the Russian Physico-Chemical Association. He is visiting Russia as the guest of the Society for Cultural Relations with Foreign Countries.

DR. CLEMENS PIQUET, specialist in the diseases of children, was on August 29 nominated for the presidency of Austria to succeed President Michael Hainisch, whose term expires at the end of November. Dr. Richard Wettstein, professor of systematic botany in the University of Vienna, was the only other candidate.

DR. T. WINGATE TODD, professor of anatomy in Western Reserve University, has been appointed a member of the board of managers of the Brush Foundation, recently established in the interests of race betterment by a gift of \$500,000 from Charles F. Brush as a memorial to his son.

DR. F. T. MCLEAN, plant physiologist at the Rhode Island Agricultural Experiment Station at Kingston, has resigned to become director of public education of the New York Botanical Garden.

WE learn from *Nature* that the appointments to scientific and technical departments made by the British Secretary of State for the Colonies during the month of July include two agricultural officers, Mr. A. H. Savile and Mr. N. V. Rounce, to Tanganyika Territory; one government veterinary surgeon, Mr. J. F. Timoney, to the Straits Settlements, and one veterinary officer, Mr. H. A. Hay-Barclay, to the Agricultural Department of Kenya; an assistant cotton botanist, Mr. H. R. Hosking, to Uganda; a plant breeder, Mr. E. R. Guest, to Iraq; an entomologist, Mr. R. W. E. Tucker, to Barbados, and a produce inspector, Mr. H. G. Pudney, to the Agricultural Department of Nigeria.

DR. MICHAEL F. GUYER, of the University of Wisconsin, who is spending the year on leave, expects to be in Peking, China, during the first two weeks in September and will address the Peking Society of Natural History during his visit. Dr. Guyer is accompanied by Mrs. Guyer. They expect to return *via* southern Asia and Europe.

DR. AND MRS. T. D. A. COCKERELL have returned to the University of Colorado after a journey round the world. They were recently in New Caledonia, Fiji, Samoa and the Hawaiian Islands.

DR. JOHN E. GUBERLET, associate professor of zoology at the University of Washington, has been granted a leave of absence for the autumn and winter quarters and will study at the London School of Tropical Medicine for three months. Following this he

will attend the International Congress of Tropical Medicine and Hygiene at Cairo, Egypt, from December 15 to 22. On his return he will visit the Zoological Station at Naples. He expects to return to the University of Washington by April 1, 1929.

WE learn from the *Experiment Station Record* that at the Kansas State Agricultural College at Manhattan, Dr. Roger C. Smith, professor of entomology, has been granted leave of absence, beginning on October 1, to accept a temporary appointment as entomologist in the technical service of the Department of Agriculture and Professional Education of Haiti. Leave of absence of L. E. Melchers, head of the department of botany and now serving as chief mycologist to the Ministry of Agriculture at Giza, Egypt, has been extended to January 1, 1929. J. A. Hodges, assistant professor of agricultural economics and assistant in farm organization, has been awarded one of the fellowships in agricultural economics sponsored by the Social Science Research Council and has been granted leave of absence during the coming academic year for graduate study at Harvard University.

DR. CARL VOEGTLIN, of the U. S. Public Health Service, is visiting the medical centers of Europe in connection with his investigation of radium.

PROFESSOR F. A. VARRELMAN, of the department of biology of the American University, Washington, D. C., has spent the summer months in the laboratories of the New York Botanical Garden, in continuation of his studies of the morphology and cytology of dodder, which are parasitic plants on herbs and shrubs.

DR. CARL BECK, of Chicago, secretary of the American Association of Surgeons, who is taking a trip around the world, recently inspected the medical establishments of Moscow.

PROFESSOR HANS KNIEP, director of the Berlin Institute of Plant Physiology, is returning from a visit to the Isle of Java.

PROFESSOR MARTIN H. FISCHER, of the department of physiology of the University of Cincinnati College of Medicine, spoke recently at the annual meeting of Phi Beta Kappa on "Scholarships and Main Street."

AT the Eighth Congress of the German Pharmacological Society to be held at Hamburg, under the presidency of Professor E. P. Pick, of Vienna, September 13 will be devoted to discussions of the work of the heart and vessels in honor of William Harvey, when papers will be read by Liljestrand, of Stockholm, Jarisch, of Innsbruck, Straub, of Göttingen, Anrep, of Cambridge, and Mansfield, of Pécs.

THE USSR Academy of Sciences has decided to erect a monument to the polar explorer Toll, who led several expeditions to the Arctic and perished in 1902. The monument is to be erected upon the Blizhni Lyakhovsky Island in the Arctic Ocean and will consist of a memorial tablet with an inscription and portrait.

DR. CHARLES ALFRED LEE REED, former president of the American Medical Society and until he became emeritus in 1917 professor of gynecology in the University of Cincinnati, died on August 28 at the age of seventy-two years.

CHARLES NORMAN AGETON, of Flushing, New York, a consulting chemist who for many years has maintained laboratories in Havana, Cuba, and has had an extensive practice among the sugar producers of the island, was killed in an aeroplane accident on August 15. Mr. Ageton was flying from Havana to Key West when the plane was forced down in the Gulf of Mexico. The pilots and other passengers were rescued, but Mr. Ageton was killed in the crash.

DR. CHARLES CHREE, F.R.S., superintendent of the Kew Observatory from 1893 to 1925, and president of the Section of Terrestrial Magnetism and Electricity of the International Geodetic and Geophysical Union from its organization in 1919 to 1927, died on August 12, at the age of sixty-six years. Dr. Chree was a leading authority on terrestrial magnetism, atmospheric electricity and allied subjects.

BARON ANATOLE VON HÜGEL, formerly curator of the University Museum of Archeology and Ethnology at Cambridge, died on August 15, at the age of seventy-three years.

DR. SAMUEL OPPENHEIM, since 1903 professor of astronomy at the University of Vienna, died on August 15, at the age of seventy-one years.

THE fall convention of the American Electrochemical Society will be held at Charleston, West Virginia, on September 20, 21 and 22, under the presidency of Professor Paul J. Kruse, of the New York State College of Agriculture. The secretary of the society, from whom all details can be obtained, is Professor Colin G. Fink, of Columbia University.

THE twenty-seventh annual meeting of the Society for Protection of New Hampshire Forests was held in Keene, New Hampshire, from September 5 to 7, in cooperation with the New Hampshire Forestry Commission and the New England section of the Society of American Forests. Plans for the further beautification of Franconia Notch were outlined at the meeting. Major Evan W. Kelley, forester in

charge of all national forests east of the Mississippi River, and Major George P. Ahern, former chief of the forest service of the Philippine Islands, were among the principal speakers.

ANNOUNCEMENT is made by Mr. Roy W. Crum, director, that the eighth annual meeting of the highway research board of the division of engineering of the National Research Council is to be held December 13 and 14 in Washington.

FOR the second time in the history of the Illuminating Engineering Society, the annual convention (the twenty-second) will be held outside the borders of the United States. This year the meetings will be international in character, and delegates from the old world will meet those from the United States and Canada. The meeting will be held at the King Edward Hotel, Toronto, from September 17 to 20.

UNDER a law recently signed by the president of Mexico, according to report made by the Department of Commerce, all articles will be sold by weight, measure, or volume, using metric units, and it is proposed that sales be in units or multiples of one, two or five of some metric unit, prohibiting the use of fractions.

THE United States Coast Guard ship *Marion* sailed from Sydney, Nova Scotia, on July 17 on a course through the Straits of Belle Isle northeastward into the Greenland seas. She has been fitted out for a scientific expedition to discover all she can about the behavior of icebergs from the time they break off from the Greenland glaciers until they melt in the warm waters of the North Atlantic. The *Marion* is equipped with every modern appliance for measuring the direction and velocity of deep-sea currents and for all other branches of oceanography. She is commanded by Lieutenant-Commander E. H. Smith and Lieutenant N. G. Ricketts, oceanographers, and has a crew of 20. After the loss of the *Titanic* in 1912, the United States, at the invitation of other maritime nations, established a ship patrol of the ice-regions which lie off Newfoundland in the track of the London to New York steamers.

THE daily papers report that an expedition to last for about ten months to the unexplored plateaus of central Brazil to seek traces of prehistoric colonization by tribes from Asia Minor will be undertaken in October under the leadership of J. Calvao, a Brazilian engineer. The party will carry the title of the American-Brazilian Scientific Expedition, and will receive the support of the Geographic Society of Rio de Janeiro in addition to some financial aid from the

Brazilian government. The group of about twenty-six persons will search the upper reaches of the Arapua River.

WILLIAM F. CLAPP, of Boston, has presented his extensive collection of *Teredo* to the Museum of Comparative Zoology of Cambridge, Massachusetts. This collection consists of several thousand specimens received from all parts of the world that were used in his studies in this commercially important group of mollusks.

UNIVERSITY AND EDUCATIONAL NOTES

THE first unit in the two and a half million building program of the University of Tennessee is now in process of erection. The building is for physics and geology, and, with its furnishings, will cost about \$300,000. Plans for a chemistry building are under way, and other buildings projected include a program calling for about \$500,000 annually for the next five years.

DR. AUGUSTUS TROWBRIDGE, who for the last three years has served as the director for Europe of the International Education Board, will take up his work as dean of the graduate college of Princeton University at the beginning of the academic year. He succeeds Dr. Andrew Fleming West, who retires after a service of twenty-seven years. Dr. Trowbridge was professor of physics at Princeton from 1906 to 1925.

W. G. TAGGART, assistant director, has been appointed acting director of the agricultural experiment station and acting dean of the College of Agriculture of Louisiana University. He succeeds Dr. R. W. Dodson, who resigned in June. Dr. W. R. Perkins, director of the extension service, and Dr. E. L. Jordan, professor of animal industry, resigned at the same time as Dr. Dodson.

DR. WILLIAM D. CUTTER, dean of the New York Postgraduate Medical School, has been appointed acting dean of the school of medicine of the University of Southern California, which will open on September 17.

FREDERICK C. FENTON, associate professor of agricultural engineering in the Iowa State College, has been appointed head of the department of agricultural engineering of the Kansas State College at Manhattan, in the place of H. B. Walker.

DR. A. M. SHOWALTER, formerly national research fellow in botany and known for his work in cytology,