

ELECTION OF FELLOWS OF THE ROYAL SOCIETY

At the meeting of the Royal Society on March 14, the following were admitted to fellowship:

ASTBURY, W. T., reader in textile physics in the University of Leeds, distinguished for his pioneer researches into the structure of natural fibers and proteins. His chemico-x-ray technique has opened up new fields of knowledge.

BEER, G. R. DE, reader in embryology, University College, London, distinguished for his original contributions on the embryology of vertebrates which are notable for their completeness and accuracy.

BULMAN, O. M. B., university lecturer in paleozoology, Cambridge, distinguished for his work on Lower Paleozoic stratigraphy, especially on the morphology, ontogeny and phylogeny of the Graptolites and their geological history.

CADMAN OF SILVERDALE, BARON, chairman of Anglo-Iranian Oil Company; emeritus professor of mining and petroleum technology, University of Birmingham, distinguished for his many public services and for his leadership, administrative and scientific, in the development of the Iranian oil-fields.

COOK, G., Regius professor of civil engineering and mechanics, University of Glasgow, distinguished for researches into a wide variety of engineering problems and particularly for original investigations into the stress-strain relations of metals when passing from the elastic to the plastic state under systems of combined stresses.

DAVENPORT, H., lecturer in mathematics, University of Manchester, distinguished for his work in pure mathematics and particularly for his contributions to the theory of numbers.

GOODEVE, C. F., reader in physical chemistry, University College, London, distinguished for his work in many branches of physical chemistry and particularly for his contributions to our knowledge of absorption spectra and photochemistry.

GREGORY, F. G., professor of plant physiology, Imperial College, London, distinguished for his researches on the analysis of plant growth, especially in relation to mineral nutrition and vernalization.

HARDY, A. C., professor of zoology and oceanography, University College, Hull, distinguished for his researches on marine biology and their application to fishery problems, with special reference to the ecology of the herring and the distribution of plankton.

KELLAWAY, C. H., director of the Hall Institute for Medical Research, Melbourne, Australia, distinguished for his researches on snake venoms and on protective antisera.

KRISHMAN, K. S., Mahendralal Sircar research professor of physics in Calcutta, distinguished for his researches in optics and especially for the study of the influence of magnetism on crystals.

LINSTEAD, R. P., professor of organic chemistry, Harvard University, distinguished for work in synthetic organic chemistry, including reversible isomeric change.

MAASS, O., Macdonald professor of physical chemistry, McGill University, distinguished for his researches in physical chemistry, particularly those relating to the

properties of gases and liquids, during which he has detected and studied an important and anomalous behavior in the critical region.

MASSEY, H. S. W., Goldsmid professor of mathematics, University College, London, distinguished for his work in mathematical physics and particularly for his contributions to the quantum theory and its applications to physics.

MATTHEWS, B. H. C., assistant director of research, Physiological Laboratory, and fellow of King's College, Cambridge, distinguished for his work on electrophysiology, particularly in connection with the sense organs and the spinal cord, by which important factors in the mechanism of the nervous system have been revealed.

PEARSALL, W. H., professor of botany, University of Sheffield, distinguished for his investigations on the determination of the factors underlying the distribution of aquatic plant communities, especially in the British lakes, and on the conditions affecting algal metabolism.

QUASTEL, J. H., biochemist to the Cardiff City Mental Hospital, distinguished for his work on chemical reactions in resting bacteria, the mode of action of enzymes, the chemical metabolism of the brain and the action of drugs.

ROBERTSON, A., professor of mechanical engineering, University of Bristol, distinguished for his fundamental contributions to knowledge relating to the stability and strength of solid and tubular struts, and to many other problems in the field of the strength of materials of engineering construction.

SPATH, L. F., lecturer in geology at Birkbeck College, University of London, distinguished for his researches on the phylogeny of the Nautiloidea, the geniatites and the ammonites, and particularly on the problems of ontogeny and recapitulation in cephalopods.

SUCKSMITH, W., reader in magnetism, University of Bristol, distinguished for his outstanding experimental researches, particularly on the gyromagnetic effect of paramagnetics and the physical properties of ferromagnetics.

THE EIGHTH AMERICAN SCIENTIFIC CONGRESS

ATTENTION was called in the issue of SCIENCE for November 24 to the eighth American Scientific Congress that will be formally opened in Washington on the evening of Friday, May 10. The ceremony will take place at the Pan American Union. There will be present members of the President's Cabinet, members of the Congress of the United States and the various diplomatic representatives of the other American republics, as well as the delegates and participants in the congress.

Registration and the preliminary organization of the sections will occupy the entire first day of the congress. The registration office, which will be at the Pan American Union headquarters, opens on Monday, May 6.

The organization of all sections will be completed on the morning of Saturday, May 11. That afternoon the delegates will visit Mount Vernon.

On Saturday evening all the delegates and participants in the congress are invited to the official reception, which will take place at the Pan American Union. There will be present again members of the President's Cabinet, members of the Congress of the United States and representatives of the Diplomatic Corps.

A motor trip through the springtime countryside of Virginia will feature the program for Sunday. The route will pass through some of the historic battlefields of the American Civil War and through a portion of the colonial section of Virginia, having as its terminus the Caverns of Luray. The delegates will lunch at Luray before returning to Washington in the afternoon. A portion of the Skyline Drive which tops the crest of the Blue Ridge Mountains, attaining a height of almost four thousand feet, will also be visited *en route*.

The first plenary session of the congress will take place on Monday, May 13. The official luncheon, at which the governmental delegates of the other American republics will be the guests of the United States Government, will take place immediately after the first plenary session. The afternoon of this same day will be devoted to the business of the various sections. There will be no congress activity on Monday evening, in order that the various sections may arrange for special business or social meetings.

Tuesday will be devoted entirely to meetings of the various sections. The chairmen of some of the sections plan special visits of technical interest during that day or those that follow. There will be certain other features of general interest in which the whole congress will participate. That evening all delegates and participants are invited to a special symphony concert which will be given in their honor.

Wednesday morning and early afternoon will be devoted to congress matters. That afternoon the delegates will be guests at a garden party in their honor.

On Thursday, after a full day of sectional meetings there will be held the official banquet of the congress, at which the official delegates will be the guests of the United States Government.

The final meetings of the various sections will be held on Friday morning, and the final plenary session of the congress will take place the same afternoon.

Later that afternoon, the delegates will go by steamer overnight down the Potomac to Old Point Comfort, Va., where they will leave the boat. Thence, by way of Jamestown and Yorktown, they will proceed to Williamsburg to inspect the restoration work done in this early colonial town. Saturday will be spent at Williamsburg. The party will return in the evening, arriving in Washington on Sunday morning. There will be an all-day excursion to the New York World's Fair on Tuesday, May 21, the Eighth American Scientific Congress Day.

RECENT DEATHS AND MEMORIALS

DR. RODNEY H. TRUE, emeritus professor of botany at the University of Pennsylvania, died on April 8 at the age of seventy-three years.

DR. CYRUS ADLER, since 1908 president of Dropsie College, Philadelphia, previously from 1892 to 1905 librarian of the Smithsonian Institution, died on April 7 at the age of seventy-six years.

JAMES A. REYNOLDS, professor of engineering at Tufts College, with which he was associated for twenty-two years, died on April 6 at the age of fifty-three years.

DR. CHARLES K. FRANCIS, consulting petroleum technologist and chemist, editor of *The Oil and Gas Journal*, died suddenly on March 25 in his sixty-fifth year.

CHARLES REID BOGGS, electrochemist and vice-president and general manager of the Simplex Wire and Cable Company of Cambridge, Mass., died on April 1 at the age of fifty-six years.

DR. JOHN LOVETT MORSE, emeritus professor of pediatrics at the Harvard Medical College, died on April 3 in his seventy-fifth year.

DR. JOSHUA ROSETT, professor of neurology at the College of Physicians and Surgeons of Columbia University, died on April 4 at the age of sixty-five years.

PROFESSOR E. MARAGLIANO, emeritus professor of clinical medicine in the University of Genoa, has died at the age of ninety-one years. He founded the first Italian institute for scientific and practical studies on tuberculosis.

Nature records the death of Professor W. C. Brøgger, rector of the University of Oslo, a foreign fellow of the Geological Society of London, on February 17 at the age of eighty-eight years, and of Professor Károly Schaffer, emeritus professor of neurology and psychiatry in the University of Budapest, at the age of seventy-five years.

A MEETING of the John Burroughs Association to celebrate the birthday of John Burroughs has been held at the American Museum of Natural History under the presidency of Dr. Clyde Fisher. The John Burroughs Medal for 1940, which had been awarded to Arthur Cleveland Bent, was presented *in absentia* owing to his illness.

THE memory of Thomas A. Edison was honored on April 1 by the city of Stratford upon the occasion of the Canadian premiere of the motion picture "Young Tom Edison." A civic plaque was unveiled in the Canadian National Railways station, erected upon the site of the old Grand Trunk depot where Edison