

reappointments and twenty-four new appointments voted at the February meeting, ten further reappointments and twenty-two first appointments were made at the meeting in May, as follows:

REAPPOINTMENTS

For domestic study

Norval Burk—biochemistry
C. R. Burnham—agriculture
F. M. Carpenter—zoology
Leonard B. Clark—zoology
Myron Gordon—zoology
Harry Grundfest—zoology
David A. Kribs—botany
Norman R. F. Maier—psychology

For study abroad

Lester G. Barth—zoology
Philip R. White—botany

NEW APPOINTMENTS

For domestic study

W. M. Banfield—agriculture
Ralph L. Beals—anthropology
P. J. Daughenbaugh—biochemistry
Robert K. Enders—zoology
Dwight L. Espe—agriculture
Paul E. Fields—psychology
J. W. Gillespie—botany
J. P. Greenstein—biochemistry
E. Harold Hinman—zoology
A. W. Kozelka—zoology
Chester E. Leese—zoology
Roger B. Loucks—psychology
Helen Mar Miller—zoology
Harold P. Morris—agriculture
Elsa R. Orent—biochemistry
Hortense Powdermaker—anthropology
K. C. Pratt—psychology
Alexander F. Skutch—botany
Otis C. Trimble—psychology
C. W. Watson—agriculture
G. R. Wendt—psychology
Samuel Yochelson—psychology

For study abroad

L. M. Bertholf—agriculture
David B. Hand—biochemistry
J. I. Hardy—agriculture
Ancel B. Keys—zoology
George Kreezer—psychology
Floyd L. Ruch—psychology

In accordance with the plan of rotation in membership of the board the terms of the following members expire on June 30 of this year: T. H. Morgan, zoology; W. J. V. Osterhout, botany, and C. E. Seashore, psychology. To complete the membership in these three fields, the National Research Council has ap-

pointed H. S. Jennings, of the Johns Hopkins University, for zoology; Dr. Harry M. Johnson, of the Mellon Institute for Industrial Research, Pittsburgh, for psychology, and Dr. W. J. Robbins, of the University of Missouri, for botany. Also, in order that anthropology may have two representatives on the board, Dr. Fay-Cooper Cole, of the University of Chicago, has been asked to serve for the fiscal year, 1930-31.

Meetings for 1931-32 awards will be held approximately early in February and either in April or May of next year. More definite announcement concerning these will be made in *SCIENCE* in the fall. Information and application forms may be obtained at any time from the secretary, Board of National Research Fellowships in the Biological Sciences, National Research Council, Washington, D. C.

FRANK R. LILLIE, *Chairman*

BOARD OF NATIONAL RESEARCH FELLOWSHIPS
IN THE BIOLOGICAL SCIENCES

THE ANNUAL MEETING OF THE ROYAL SOCIETY OF CANADA

ON May 20, 21 and 22 the Canadian Royal Society met at McGill University. The presidential address was given by Professor A. S. Eve, on the evening of the twentieth, his subject being "The Universe as a Whole." (*SCIENCE*, May 23, 1930.) At the same session he presented the three gold medals of the society. The Flavelle Medal was awarded to Dr. A. B. Macallum, F.R.S., emeritus professor of biochemistry at McGill University, for his pioneer researches in micro-biochemistry; the Lorne Pierce Medal for outstanding contributions to literature, to Sir Andrew Macphail, professor of the history of medicine at McGill University, and the Tyrrell Medal for research in Canadian history to Dr. Adam Shortt, of Ottawa. At the final session the Honorable Vincent Massey, Canadian minister to the United States, gave the popular lecture on "Art and Nationality in Canada." In Sections I and II (respectively, French and English Literature and History) thirty-six papers were read. In Section III (Mathematics, Physics and Chemistry) ninety-nine papers were communicated, in Section IV (Geological Sciences) 13 papers, and in Section V (Biological and Medical Sciences) 59 papers.

A very interesting event was the delivering of an address by radio by Sir Ernest Rutherford, president of the Royal Society of London, speaking from his English home to the fellows gathered in the Moyse Hall of McGill University. The whole of the address, with the exception of the few opening sentences, was clearly heard by a large audience, as was also the

telephone conversation that followed, between Sir Ernest at the one end, and Professor Eve, Sir Arthur Currie and Sir Robert Falconer in turn at the other. Only ten years previously it had been considered a remarkable event when, also under the direction of Professor Eve, an artist sang at Montreal to an audience of the Royal Society at Ottawa, 110 miles away, and the reception over this short distance was much less perfect.

BRITISH HONORS

FROM the list of honors conferred on King George's birthday, *Nature* selects the following names of scientific workers and others associated with scientific activities: *Baron*: The Right Hon. Noel Edward Buxton, minister of agriculture and fisheries. *Baronets*: Mr. Basil Mott, past president of the Institution of Civil Engineers, and Mr. F. H. Royce, founder, director and chief engineer of Rolls Royce, Limited. *Order of Merit*: Professor S. Alexander, in recognition of his eminent position as a British philosopher and for his services as a writer and teacher. *Knights*: Dr. E. Brown, secretary of the National Poultry Council of England and Wales; Major T. H. Crozier, chief inspector of explosives, Home Office; Professor A. S. Eddington, Plumian professor of astronomy in the University of Cambridge; Professor Leonard E. Hill, director of the department of applied physiology, National Institute of Medical Research; Dr. G. A. K. Marshall, director of the Imperial Bureau of Entomology; Professor J. Arthur Thomson, Regius professor of natural history in the University of Aberdeen; Mr. H. W. A. Watson, lately chief conservator of forests, Burma;

Mr. H. Wright, chairman of the executive committee of the governing body, Imperial College of Science and Technology, South Kensington. *K.B.E.*: Sir Philip Hartog, chairman of the education committee, Indian Statutory Commission. *C.B.E.*: Dr. E. W. Smith, honorary technical adviser to the area gas supply committee, Board of Trade. *O.B.E.*: Mr. T. P. W. Barty, lecturer in civil engineering, Gordon College, Khartoum, and municipal engineer, Khartoum; Mr. J. A. B. Horsley, electrical inspector of mines, Board of Trade; Professor W. M. Roberts, professor of mathematics, Royal Military Academy, Woolwich; Dr. F. B. Young, principal scientific officer, Admiralty Research Laboratory. *M.B.E.*: Mr. J. Haworth, general manager of the sewage disposal department and chief chemist and water examiner, Sheffield Corporation; Mr. H. W. Jack, economic botanist, Agricultural Department, Straits Settlements and Federated Malay States; Mr. H. G. D. Rooke, lately chief locust officer, Ministry of Irrigation and Agriculture, Iraq; Dr. A. Winstanley, junior inspector of mines, Board of Trade. *C.I.E.*: Mr. F. F. R. Channer, lately chief conservator of forests, United Provinces; Lieutenant-Colonel H. R. Dutton, lately principal, Prince of Wales' Medical College, Patna, and superintendent of the Patna Medical College Hospital, Bihar and Orissa; Mr. L. Mason, lately chief forest officer, Andamans; Mr. R. R. Simpson, chief inspector of mines in India. *C.V.O.*: Mr. Evelyn C. Shaw, secretary since 1910 to the Royal Commissioners of the Exhibition of 1851. *I.S.O.*: Mr. D. Keiller, head laboratory assistant, Imperial Institute of Veterinary Research, Muktesar, United Provinces.

SCIENTIFIC NOTES AND NEWS

YALE UNIVERSITY conferred on June 18 the doctorate of science on Dr. Edwin Grant Conklin, professor of zoology at Princeton University, and on Professor Charles Schuchert, professor of paleontology and historical geology at Yale University and curator emeritus of paleontology in the Peabody Museum.

THE doctorate of science was conferred at the commencement of the University of Pennsylvania on Alexander von Lichtenberg, professor of urology at the University of Berlin, and on Edward E. Allen, director of the Perkins Institution, Watertown, Massachusetts.

THE degree of doctor of laws has been conferred by the University of Indiana on Dr. V. M. Slipper and Dr. C. O. Lampland, of the Lowell Observatory at Flagstaff, Arizona.

DR. CHARLES SHEARD, of the Mayo Foundation at Rochester, Minnesota, received the honorary degree of doctor of science at the commencement exercises of St. Lawrence University.

MR. ORVILLE WRIGHT, Dayton, Ohio, co-inventor of the airplane, was awarded the honorary degree of doctor of science by the Ohio State University at the annual commencement.

At the commencement exercises on June 10, the University of Arkansas conferred the degree of doctor of laws on Dr. Charles W. Webb, chief surgeon of the Clifton Springs, New York, Sanitarium and Hospital and president of the New York State Society of Surgeons.

DR. CHAS. B. DAVENPORT, of the Carnegie Institution of Washington, has been elected an honorary member of the Vienna Anthropological Society.