ing at 10:45. The annual luncheon for members and guests of the Sigma Pi Sigma, held in conjunction with the spring meeting of the society, will be given at 12:15 o'clock on Friday, April 30.

## FIRST CHARLES L. MAYER AWARD OF THE NATIONAL SCIENCE FUND

DR. CHARLES B. HUGGINS, professor of surgery at the University of Chicago, has been selected as the recipient of the prize of $2,000 given by Dr. Charles L. Mayer and administered by the National Science Fund of the National Academy of Sciences. The award was offered for the most outstanding contribution made during 1942 to present-day knowledge of factors affecting the growth of animal cells with particular reference to human cancer, and as a new type of prize for the advancement of fundamental scientific research administered under a new type of philanthropic foundation.

The advisory committee assisting the National Science Fund in selection of the prize winner consisted of Dr. George H. Whipple, dean of the School of Medicine and Dentistry of the University of Rochester, Nobel prize winner in medicine (joint award) in 1934; Dr. R. R. Williams, chemical director of the Bell Telephone Laboratories, discoverer of Vitamin $B_1$; Dr. Alan Gregg, director for the medical sciences of the Rockefeller Foundation, and Elihu Root, Jr. The committee decided that the 1942 award should go to Dr. Huggins for his studies of the human prostate, with special relation to the cancers taking origin from this gland. Dr. Huggins has shown that certain hormones ("chemical messengers" produced by the body), which regulate the normal activities of prostatic cells, have a marked influence as well on many of the cancers that derive from them. By the utilization of this knowledge he has been enabled to control the growth of the cancers and of such secondary tumors as may already have formed in distant organs. These discoveries have large theoretical as well as practical implications.

Dr. William J. Robbins, chairman of the National Science Fund and director of the New York Botanical Garden, said that formal presentation of the award will be made to Dr. Huggins later this spring at the annual dinner meeting of the board of directors of the fund. Dr. Robbins also announced that a second Charles L. Mayer award of $2,000 for an outstanding study made in the same field in 1943 will be given and that entries and recommendations for consideration for this award should be in the office of the National Science Fund, 515 Madison Avenue, New York City, by January 15, 1944. He also emphasized that the advisory committee is interested primarily in fundamental studies on the factors influencing growth of animal cells rather than applications to any particular aspect of normal or abnormal growth.

## ELECTION OF FELLOWS OF THE ROYAL SOCIETY

THE Royal Society, London, on March 18 elected the following scientific men into the Fellowship:

Bhatnagar, Shanti Swarupa, Kt. Director of scientific and industrial research, India. Distinguished for his numerous contributions to physical chemistry, more especially to magneto-chemistry. As professor of chemistry in the University of the Punjab he built up a flourishing school of research. Since the outbreak of war he has organized a new scientific department of the Government of India.

Buxton, Patrick Alfred. Director of the department of entomology, London School of Hygiene and Tropical Medicine. Distinguished for his researches in medical entomology with special reference to the conditions under which insects responsible for the transmission of diseases multiply and the measures which must accordingly be adopted for their control.

Daly, Ivan de Burgh. Professor of physiology, Edinburgh. Distinguished as an originator of essential items of modern physiological technique and for his important contributions to the physiology of the circulation in the lungs and the bronchial tubes.

Edgell, John Augustine, K.B.E. Vice-Admiral R.N. Hydrographer of the Royal Navy. Distinguished for the organization and encouragement of work in tidal research, in determining gravity at sea and in magnetic and electric survey of the oceans.

Ewins, Arthur James. Director of research, May and Baker Ltd. Distinguished for his chemical and biochemical researches. His work in organizing an industrial research laboratory has led to the production of some of the most important synthetic remedies in recent years.

Felix, Arthur. Bacteriologist, Lister Institute. Distinguished for his contributions to serology and bacteriology. He is particularly associated with the Weil-Felix reaction for the diagnosis of typhus fever and with the antigenic analysis of bacteria.

Fleming, Alexander. Professor of bacteriology, St. Mary's Hospital. Distinguished for his contributions to bacteriology, immunology and chemotherapy. His work includes the very important discoveries of lysozyme and penicillin.

Fox, John Jacob. Government chemist. Distinguished for his application of physical methods to the discovery of the structure of chemical substances and for his work on new analytical methods and chemical processes.

Greaves, William Michael Herbert. Astronomer Royal for Scotland. Distinguished for his contributions to stellar spectro-photometry and for the discussion of the color temperatures of early type stars.

Harland, Sidney Cross. Plant breeder. Distinguished for his contributions to the study of genetics and especially of the cotton plants. His researches have not only been of practical value for tropical agriculture but have led to

important advances in fundamental aspects of evolutionary theory.

Kon, George Armand Robert. Research professor of chemistry at the Royal Cancer Hospital. Distinguished for his researches in organic chemistry. During recent years his work on the polyterpenes has provided the basis for a number of important developments.

McCance, Andrew. Director and general manager, Messrs. Colville's Ltd., Motherwell. Distinguished for his work in the steel industry and particularly for his applications of physical chemistry to the processes of steel making.

Penfield, Wilder. Director of the Montreal Neurological Institute. Distinguished for his researches in neuro-histology and as a neuro-surgeon.

Pilgrim, Guy Ellcock. Formerly superintendent of the Geological Survey of India. Distinguished for his contributions to the geology of India, particularly in the field of Tertiary stratigraphy, and for his researches in vertebrate paleontology.

Stradling, Reginald Edward. Chief adviser, research and experiments department, Ministry of Home Security. Distinguished for his researches on the properties of building materials and for his direction of the Building and Road Research Stations and of the researches relating to civil defense.

Sykes, Charles. Superintendent of the metallurgy department of the National Physical Laboratory. Distinguished for his fundamental scientific research.

Synge, John Lighton. Professor of applied mathematics, Toronto. Distinguished for his contributions to mathematics, particularly to the geometry of dynamics, the theory of relativity, hydro-dynamics and electricity.

Temple, George Frederick James. Professor of mathematics, Kings College, London. Distinguished for his contributions to mathematical physics, particularly to quantum theory, relativity and mechanics.

Du Toit, Alexander Logie. Lately consulting geologist to the De Beers Consolidated Mines. Distinguished for his contributions to the geology and petrology of South Africa, particularly his work on the Karroo system and his comparative study of the equivalent succession of South America.

Zuckerman, Solly. Professor of anatomy, University of Birmingham. Distinguished for his studies on the morphology and relationship of the primates and on their reproductive physiology. He has also made outstanding contributions to the study of social behavior in the lower primates.

## MEDAL DAY OF THE FRANKLIN INSTITUTE, PHILADELPHIA

MEDAL DAY ceremonies of the Franklin Institute will be held on Wednesday evening, April 21, at half past five o'clock and will open with a reception to the medalists at which a portrait of Past-president P. C. Staples will be unveiled. A dinner and the presentation of awards will follow.

Certificate of Merit to Carl S. Hornberger, Central Scientific Company, Chicago. The Longstreth Medals jointly to Robert Griffin De La Mater and William Schwemlein, the Parkersburg Rig and Reel Company, W. Va. The Wetherill Medal to Robert Howland Leach, Vice-president, Handy and Harman, Bridgeport, Conn. The Brown Medal (posthumously) to Albert Kahn, Albert Kahn Associated Architects and Engineers, Inc., Detroit. Received by Mrs. Kahn. The Henderson Medal to Harry Miller Pflager, senior vice-president, General Steel Castings Corporation, Illinois. The Levy Medal to Anders Henrik Bull, assistant engineer, Board of Transportation of the City of New York. The Potts Medals to Francisco Ballén, director, National Guano Administration, Lima, Peru, and Paul Renno Heyl, National Bureau of Standards. The Cresson Medal to Charles Metcalf Allen, professor of hydraulic engineering, Worcester Polytechnic Institute. The Franklin Medal and Certificate of Honorary Membership to George Washington Pierce, Rumford professor of physics, emeritus, and Gordon McKay professor of communication engineering, emeritus, Harvard University, and to Harold Clayton Urey, professor of chemistry and executive officer, department of chemistry, Columbia University.

Following the presentation of the awards Dr. Pierce will make an address entitled "Songs of Insects" and Dr. Urey will speak on "The First Ten Years of Heavy Hydrogen."

# SCIENTIFIC NOTES AND NEWS

DR. KARL T. COMPTON, president of the Massachusetts Institute of Technology, will deliver the Pilgrim Trust lecture at Burlington House, London, on May 6. The Pilgrim Trust sponsors an exchange of lectures on alternate years between the National Academy of Sciences and the Royal Society.

THE Charles Frederick Chandler Medal, awarded annually by Columbia University for noted achievements in the field of chemistry, has been given this year to Willard H. Dow, of Midland, Mich., president of the Dow Chemical Company. The Chandler Medal was established in 1910 in honor of Professor Chandler, a pioneer in industrial chemistry. The presentation to Mr. Dow will take place on May 20 in Havemeyer Hall, when he will deliver the Chandler lecture.

THE Egleston Medal of the Columbia University Engineering Schools Alumni Association has been awarded to Thomas H. Chilton, director of the technical division of the engineering department of E. I. du Pont de Nemours and Company, Wilmington, Del., for "distinguished engineering achievement." The award is made in recognition of "outstanding achievements in the discovery and formulation of principles underlying the unit operations of chemical engineer-