

The message of science, he declares, is this: that not only the development of man's physical form but also of his ethical standards depends upon himself. He adds: "Man has the power to make the world a celestial dwelling place if he wishes or to reduce it to dust and ashes. He can promote the survival of any type he pleases—poet, philosopher, priest, or pugilist."

Carnegie Institution will publish Sir Richard's lecture in full so that all may obtain a copy who desire to do so.

FRANK F. BUNKER

#### RECENT DEATHS AND MEMORIALS

DR. OTTO HILGARD TITTMANN, connected with the U. S. Coast and Geodetic Survey since 1867, from 1900 to 1915 as superintendent, died on August 21 at the age of eighty-eight years.

DR. JOHN MARTIN WHEELER, professor of ophthalmology at Columbia University and director of the Eye Institute of the Columbia-Presbyterian Medical Center in New York City, died on August 22 at the age of fifty-eight years.

DR. GEORGE EDMUND DE SCHWEINITZ, professor emeritus of ophthalmology at the Graduate School of Medicine of the University of Pennsylvania, of which he was a trustee, died on August 22 at the age of seventy-nine years.

DARWIN M. ANDREWS, horticulturist of Boulder, Colorado, died on August 14 in his sixty-ninth year. Mr. Andrews was known for his work in the cultivation, selection and improvement of the native plant species of Colorado.

At a meeting of the Osler Club of London on July 12 in honor of the eighty-ninth anniversary of the birth of Sir William Osler, Dr. Archibald Malloch delivered the eleventh Oslerian oration on "Osler." Among those who spoke were Dr. Harvey Cushing and Dr. Charles Singer.

A MEMORIAL to the late Professor Hideyo Noguchi and the late Dr. William Alexander Young was formally unveiled by Sir Arnold Hodson, K.C.M.G., on the second of April, 1938, at Accra, Gold Coast, Africa. A representative gathering of the people of Accra was present at the ceremony. Before the memorial was unveiled Dr. David Duff, director of medical services for the Gold Coast, gave a short account of the lives and work of Professor Noguchi and Dr. Young. In his address he stated that, in addition to the memorial, a brass plate, suitably inscribed, would shortly be placed in the room of the Medical Research Institute at Accra, where Noguchi and Young conducted their yellow fever studies.

### SCIENTIFIC NOTES AND NEWS

SIR ARTHUR EDDINGTON was elected president of the International Astronomical Union at the sixth triennial meeting held at Stockholm from August 3 to 10. He succeeds Professor Ernest Esclançon, director of the Paris and Meudon Observatories. The next meeting of the union will be held in Switzerland in 1941.

THE election of honorary members of the Royal Society of Edinburgh included, in addition to Dr. Henry Norris Russell, announced in *SCIENCE* last week, Sir Thomas Lewis, physician-in-charge of the department of clinical research, University College Hospital, London, and Professor G. I. Taylor, Yarrow research professor of the Royal Society, fellow of Trinity College, Cambridge.

THE gold medal of the Royal Society of Medicine has been awarded to Dr. Wilfred Trotter, director of the Surgical Unit at University College Hospital, London. This was the seventh award of the medal, which is given triennially to a "scientist, man or woman, who has made valuable contributions to the science and art of medicine."

THE diploma of honor and medal of scientific merit of the Academy of Sciences and Arts of Rio de Janeiro

has been conferred on Dr. B. N. Singh, Kapurthala professor of plant physiology and agricultural botany at the Benares Hindu University; on Dr. B. C. Guha, professor of applied chemistry at the University of Calcutta and honorary director of the department of biochemistry and nutrition of the Indian Institute for Medical Research, Calcutta, and on Dr. H. N. Mukherjee, of the department of biochemistry of Carmichael Medical College. Dr. Guha is known for his researches on vitamins and related subjects and Dr. Mukherjee for his work on insulin and allied themes.

DR. JAMES B. MURPHY, of the Rockefeller Institute for Medical Research, has received the degree of doctor of science from Oglethorpe University, Atlanta.

THE honorary doctorate of the University of Cologne has been conferred on Dr. W. L. Bragg, Cavendish professor of experimental physics at the University of Cambridge, formerly director of the National Physical Laboratory.

At a convocation of the University of Oxford on August 11, the vice-chancellor presiding, the honorary degree of doctor of science was conferred on Dr. Charles Gustave Jung, professor of psychology in the University of Zurich. Dr. Jung presided over the

tenth International Medical Congress for Psychotherapy, which met in Oxford, this being the first time that the congress has met in an English-speaking country.

DR. HARRY A. CURTIS, chief chemical engineer of the Tennessee Valley Authority at Knoxville, has been appointed dean of engineering at the University of Missouri. He will succeed Dr. F. Ellis Johnson, who resigned this summer to become dean of engineering at the University of Wisconsin.

DR. WILLIAM I. MYERS, professor of farm finance, will return to Cornell University as head of the department of agricultural economics. Dr. Myers has had leave of absence extending to five years, during which he has been governor of the Farm Credit Administration at Washington.

DR. JULIUS LANE WILSON, of the Yale University Medical School, has been appointed associate professor of medicine in the School of Medicine of Tulane University.

DR. CHARLES A. SHULL, professor of plant physiology of the University of Chicago, will be guest professor of the department of botany and plant pathology of the Oklahoma Agricultural and Mechanical College during the autumn semester. He will give an advanced course in plant behavior, and will continue his editorial work on *Plant Physiology* and *The Botanical Gazette*. Dr. W. W. Ray, mycologist, has resigned an instructorship at Cornell University in order to accept an assistant professorship in the department of botany at the Oklahoma Agricultural and Mechanical College.

DR. ATHELSTON F. SPILHAUS, of the College of Engineering of New York University, has been made chairman of the newly established department of meteorology. It is planned to conduct research into factors influencing the weather and to train weather forecasters and observers for air lines, fisheries and other industries. Gardner Emmons, associate meteorologist of the central weather office of the U. S. Weather Bureau in Washington, has been appointed assistant professor. The meteorological observatory at University Heights will house the new department, and research work will be carried on at the Mount Whiteface Observatory, conducted jointly with the Rensselaer Polytechnic Institute on Whiteface Mountain, near Lake Placid.

DR. J. E. MYERS, senior lecturer in chemistry and secretary of the University of Manchester, since 1930 assistant to the vice-chancellor, has been appointed principal of the Manchester College of Technology.

*Nature* states that a new Institute for Atomic Physics has been inaugurated at the Royal Hungarian Uni-

versity for Technical and Economic Sciences, and Professor Z. Bay, formerly professor of theoretical physics in the University of Szeged, at present director of the Tungstam Research Laboratory of the United Incandescent Lamp and Electrical Company, has been appointed the first professor of atomic physics.

*Industrial and Engineering Chemistry* reports that Jan Wiertelak, docent in the chemistry of wood at the Polytechnic School in Warsaw, Poland, formerly research student at the U. S. Forest Products Laboratory at Madison, Wis., has been appointed associate professor and head of the Institute for Testing Materials at the Academy of Commerce in Poznań, Poland.

HORACE T. HERRICK has been appointed an assistant chief of the Bureau of Chemistry and Soils. Mr. Herrick will assume responsibility, on behalf of the Department of Agriculture, for the general direction and coordination of the chemical and chemical engineering investigations of the four regional research laboratories authorized in the Agricultural Adjustment Act of 1938 to conduct researches into and to develop new scientific, chemical and technical uses for farm products and by-products.

KIRIL SPIROFF has been promoted from assistant curator to curator of the A. E. Seaman Mineralogical Museum of the Michigan College of Mining and Technology.

DR. G. MACDONALD, medical officer in charge of the branch of the Ross Institute for Tropical Research in Ceylon, has been appointed assistant director of the institute and will assist Sir Malcolm Watson in London. Dr. Robert Svensson will take up the appointment in Ceylon. Dr. J. W. Foster, a newly appointed assistant director, will take charge of a new branch of the institute in the Gold Coast at the end of the year.

By an order of the British Committee of Privy Council, made after consultation with the Medical Research Council and with the president of the Royal Society, Dr. C. R. Harington, professor of pathological chemistry, and Dr. W. W. C. Topley, professor of bacteriology and immunology, both of the University of London, have been appointed members of the Medical Research Council, in succession to Professor A. J. Clark and Sir John Ledingham, who retire in rotation on September 30.

DR. CARL LUCAS ALSBERG, director of the Giannini Foundation at the University of California, has become a member of the Division of Foreign Relations of the National Research Council.

DR. C. A. ADAMS, professor of engineering emeritus of Harvard University and consulting engineer of the Edward G. Budd Manufacturing Company, Phila-

delphia, and Dr. A. C. Fieldner, chief of the technologic branch of the U. S. Bureau of Mines, Washington, D. C., have been appointed members of the advisory committee of the thirteenth Exposition of Power and Mechanical Engineering to be held at Grand Central Palace, New York City, from December 5 to 10.

LIEUTENANT-COLONEL W. L. HARNETT, formerly professor of surgery at the Medical College of Calcutta and recently reader in surgery at the British Postgraduate Medical School, has been appointed medical secretary to the Clinical Cancer Research Committee of the British Empire Cancer Campaign.

LEWIS B. KELLUM, associate professor of geology, who has a year's leave of absence from the University of Michigan, is directing the exploration program of the Standard Vacuum Oil Company in New Zealand.

THE SMITHSONIAN INSTITUTION was represented on the recent Presidential cruise aboard the *U. S. S. Houston* by Dr. Waldo L. Schmitt, curator of marine invertebrates of the United States National Museum. Dr. Schmitt recently returned to the museum with considerable zoological, botanical and geological material. Of particular note is a large collection of fish, including a number of rare forms and several species new to the National Collections, secured by the President and members of his party, and series of specimens from seldom visited Clipperton Island.

DR. WILFRED H. OSGOOD, chief curator of zoology at the Field Museum of Natural History, returned to Chicago on August 18. Dr. Osgood left on May 15 as the head of an expedition conducted in south central New Mexico. He was accompanied by Dr. Frank W. Gorham, of Los Angeles, and Walter F. Nichols, of Pasadena. The expedition, personally financed by Dr. Osgood as a contributor to the museum, concentrated its efforts chiefly on the "white island" of sand in Tularosa basin, a desert region of some three hundred square miles, and in the adjoining territory where a black lava formation composes the ground surface. Approximately four hundred specimens of mammals, birds and reptiles, including a number of rare and odd species, were collected. In addition, Dr. Osgood obtained important zoological specimens in the Mogollon Mountains of New Mexico, in California and in Colorado.

ACCORDING to *Nature*, Professor C. D. Ellis, who holds the Wheatstone chair of physics at King's College, London, has been granted leave of absence for the Michaelmas and Lent terms in order to make a tour which has been arranged by the Conference of Canadian Universities. Professor Ellis plans to spend some time, up to a week or ten days, in most of the universities, in order to have ample opportunity for

meeting the staff and for discussing matters of interest. He is leaving England in September, and will go first to Vancouver, and will visit Edmonton, Saskatoon, Winnipeg, Ottawa and Montreal before Christmas. Starting again in January, he will visit Hamilton, London, Toronto, Kingston, Quebec, Sackville, Halifax, returning to England at the end of March.

THE sixtieth meeting of the American Astronomical Society will be held at the University of Michigan from September 14 to 16, under the presidency of Dr. Robert G. Aitken, director emeritus of the Lick Observatory. The address of welcome will be given by Dr. Alexander G. Ruthven, president of the university. The annual dinner will be held on Friday evening at 7 o'clock at the Michigan Union. On Saturday morning there will be an inspection of the McMath-Hulbert Observatory and of the motion pictures of recent solar prominences, etc. After the close of the meeting an excursion is planned to Henry Ford's Greenfield village.

THE autumn meeting of the Electrochemical Society will be held at Rochester, New York, from October 12 to 15. The Hotel Seneca has been selected as headquarters. In addition to the program of technical papers there will be two special symposia. Dr. S. O. Morgan, of the Bell Telephone Laboratories, Summit, N. J., will preside over the symposium on "Plastics in the Electrochemical Industry," in which the speakers and their subjects are: Gordon M. Kline, U. S. Bureau of Standards, "Classification of Commercial Organic Plastics and Their Chemical Properties"; V. E. Meharg, Bakelite Corporation, "Thermosetting Plastics"; S. D. Douglas, Carbide and Carbon Chemicals Corporation, "Vinyl and Styrene Resins"; H. R. Dittmar, E. I. du Pont de Nemours, Inc., "Methacrylate Resins"; Shailer L. Bass, Dow Chemical Company, "Ethyl Cellulose and Styrene Plastics"; W. A. Yager, Bell Telephone Laboratories, "Dielectric Constant and Loss of Plastics as Related to Their Composition"; R. M. Fuoss, General Electric Company, "Electrical Properties of Polyvinyl Chloride Plastics"; Erik Ackerlind, Brooklyn, N. Y., "Dielectric Properties of Shellac." The second symposium will be devoted to "The Metallurgy of Silver." Dr. Lawrence Addicks, of Bel Air, Maryland, will be chairman of this session, to which Dr. F. C. Mathers will contribute two papers, one on silver alloys by deposition, another one on the porosity of silver plate; Dr. Colin G. Fink and V. S. de Marchi will speak on the silver-iron alloy. Dr. D. K. Alpern, of Brooklyn College, also is expected to take part.

EDWARD K. LOVE, a real estate dealer of St. Louis, has made a gift of \$100,000 for the establishment of a Missouri Wildlife Conservation Foundation, the income to be used for purposes recommended by the State Conservation Commission.