

Second Vice-president: W. J. Emmons, highway research specialist, U. S. Bureau of Public Roads, Washington, D. C.

Secretary-treasurer: Chas. A. Mullen, director, paving department, Milton Hersey Co., Montreal.

Chairman General Research Committee: Prevost Hubbard, chemical engineer, The Asphalt Association, New York.

Chairman, Committee on Voids in Aggregates: W. J. Emmons, U. S. Bureau of Public Roads.

Chairman, Committee on Street Operations: W. L. Hemplemann, engineer, The Texas Co., Chicago.

THE NATIONAL MUSEUM OF ENGINEERING AND INDUSTRY

IN accordance with an invitation, extended by the National Museum of Engineering and Industry to several societies many of whose members had joined it individually to nominate representatives to its board of trustees, the four National Engineering Societies, American Association for the Advancement of Science, American Chemical Society and the Society for the Promotion of Engineering Education have responded favorably and are now represented on its board, which is constituted as follows:

Mr. Samuel Inull, *Chairman*

Mr. L. P. Alford ³	Mr. Frederick A. Halsey
Mr. B. C. Batcheller	Prof. Dugald C. Jackson ⁷
Mr. Nicholas F. Brady	Mr. Luis Jackson
Mr. F. H. Colvin	Dr. F. B. Jewett ⁴
Mr. Norman Dodge	Mr. John W. Lieb
Mr. Gano Dunn ⁴	Mr. Fred R. Low ³
Col. A. S. Dwight ²	Mr. W. W. Macon
Mr. Thomas Ewing	Mr. L. C. Marburg
Mr. John R. Freeman ¹	Mr. H. P. Merriam
Col. Michael Friedsam	Dr. M. I. Pupin ⁵
Major H. A. Gillis	Mr. W. L. Saunders ²
Mr. Henry Goldmark	Mr. J. Waldo Smith ¹

Dr. Elmer A. Sperry⁶

¹ Nominated by American Society of Civil Engineers.

² Nominated by American Institute of Mining and Metallurgical Engineers.

³ Nominated by American Society of Mechanical Engineers.

⁴ Nominated by American Institute of Electrical Engineers.

⁵ Nominated by American Association for the Advancement of Science.

⁶ Nominated by American Chemical Society.

⁷ Nominated by Society for the Promotion of Engineering Education.

Many of its members have donated to the National Museum original historical documents, old patent records, books, drawings, prints, models, photographs and descriptions of important work, etc., and correspondence regarding such things is solicited.

In this connection the secretary has, for some years,

been collecting reminiscences not only by eminent men regarding some of their accomplishments which have not been previously recorded, but by others who may not have had such opportunities at all. There are undoubtedly many more still living or there may be some who have worked in cooperation with or in the service of others who have accomplished notable work or others who have had interesting associations with or interviews with men of notable achievements and all of these could supply very interesting reminiscences if given the opportunity.

For instance, recently a member of the American Society of Mechanical Engineers told of having called in 1889 on James Nasmyth, the inventor of the steam hammer and many other notable mechanisms, at his home in Kent and the latter recounted to him his experiences with James Watt who invented the steam engine in 1769. So the span of one man's life intervened between that of the man to whom more than to any one can be credited the wonderful development which has taken place in the world and that of his visitor and thus was obtained, only second-hand, a description of James Watt's appearance and manner and certain interesting facts concerning his life.

The relating of such occurrences will be most acceptable and may result in the publication later of material that would not otherwise see light. Such reminiscences may be of great value if recorded and the time to record them is now before they are forgotten or their possessors pass away.

The secretary would like to hear by letter from any one recounting items of historical value or interest or if they should happen to be in the neighborhood he would welcome a call during which their experiences can be dictated to his amanuensis. All of these accounts will be carefully catalogued and placed in the research file for reference by any one who can make proper use of them. They will eventually go for permanent preservation to the National Museum which will be part of the Smithsonian Institution at Washington.

H. F. J. PORTER,
Secretary

NATIONAL MUSEUM OF
ENGINEERING AND INDUSTRY

LECTURES ON EVOLUTION AT THE CALIFORNIA INSTITUTE OF TECHNOLOGY

THE chapter of Sigma Xi of the California Institute of Technology and of Mount Wilson Observatory announces that there will be given under its auspices during the present year a course of lectures on evolution in its broader aspects. The provisional program is given below. The lectures will be given in Culbertson hall at the institute at 8 o'clock on alternate Thursday evenings.

- January 21. *Radiation and Spectroscopy*: DR. R. A. MILLIKAN, professor of physics at the California Institute.
- February 4. *Structure of the Universe*: PROFESSOR F. H. SEARS, Mount Wilson Observatory.
- February 18. *Nebulae*: DR. E. P. HUBBLE, Mount Wilson Observatory.
- March 4. *The Solar System*: DR. C. E. ST. JOHN, Mount Wilson Observatory.
- March 18. *Some Phases of the Evolution of Man*: DR. J. C. MERRIAM, president, Carnegie Institution of Washington.
- April 1. *Geological History of the Earth*: DR. J. P. BUWALDA, professor of geology, California Institute.
- April 15. *Geological History of the Earth*: DR. J. P. BUWALDA, professor of geology, California Institute.
- April 29. *Evolution of Matter and Energy*: DR. R. C. TOLMAN, professor of physical chemistry and mathematical physics, California Institute.
- May 12. *Evolution of Stars*: DR. H. N. RUSSELL, professor of astronomy, Princeton University.
- October 14. *The Earth and the Sun*: DR. C. G. ABBOT, Smithsonian Institution.
- November 4. *Evolution of Life on the Earth*: DR. CHESTER STOCK, professor of paleontology, California Institute.
- November 18. *Evolution of Life on the Earth*: DR. CHESTER STOCK, professor of paleontology, California Institute.

It is hoped that the course may be continued through the year 1927 so as to include lectures on biological evolution, anthropological evolution, the development of early civilizations and the evolution of mind and of human thought.

SCIENTIFIC NOTES AND NEWS

WILLIAM BATESON, director of the John Innes Horticultural Institution, near London, distinguished for his contributions to genetics and other biological subjects, died on February 1 in his sixty-fifth year.

PROFESSOR ROBERT H. MILLIKAN, director of the Norman Bridge Laboratory of Physics at the California Institute of Technology, has been elected a corresponding member of the French Academy of Sciences (section of physics) to take the place of the late Sir James Dewar.

PROFESSOR CHARLES JOSEPH CHAMBERLAIN, of the University of Chicago, has been elected a corresponding member of the Botanical Society of Geneva.

PROFESSOR E. D. MERRILL, dean of the College of Agriculture and director of the Agricultural Experiment Station of the University of California, has been elected a corresponding member of the Deutschen Botanischen Gesellschaft, in recognition of his "great and permanent service in the elucidation of the flora of tropical Asia, especially of the Malay Archipelago."

DR. J. WHITRIDGE WILLIAMS, professor of obstetrics in the Johns Hopkins University, recently received word of his election as an honorary member of the Society of Obstetrics and Gynecology of Paris.

DR. OSKAR VON MILLER, of the German Museum of Natural Sciences at Munich, has been made a corresponding member of the Royal Academy of Sciences of Stockholm.

S. Z. DE FERRANTI, inventor and engineer, has been made an honorary member of the British Institution of Electrical Engineers.

DR. HARRY PLOTZ, of the Pasteur Institute, Paris, was recently made a chevalier of the Legion of Honor by the French government.

DR. P. VOLKMANN, emeritus professor of theoretical physics at the University of Königsberg, celebrated his seventieth birthday on January 12.

PROFESSOR BAR has been elected president of the French Academy of Medicine and Professor Gley vice-president.

SIR OLIVER LODGE has been elected president of the Radio Society of Great Britain for 1926.

PROFESSOR DEXTER S. KIMBALL, dean of the college of engineering at Cornell University, has been elected president of the American Engineering Council, in succession to James Hartness.

PROFESSOR MARSTON T. BOGERT, of the department of organic chemistry at Columbia University, has been appointed a research consultant in the Chemical Warfare Service.

DR. CLARENCE C. LITTLE, president of the University of Michigan, has accepted the chairmanship of the lay advisory board of the American Association for Medical Progress, Inc.

At the close of ten years' service as managing editor of *Genetics*, Dr. George H. Shull has at his own request been relieved and Dr. Donald F. Jones, of the Connecticut Agricultural Experiment Station, New Haven, has been elected to the managing editorship.

A. W. ALLEN has resigned as editorial representative of *Chemical and Metallurgical Engineering* in the Pacific Coast region, to join the technical staff of Antony Gibbs and Co., in connection with the operation of nitrate recovery plants in Chile. He will sail for Chile late in February.

DR. ALBERT F. WOODS, president of the Maryland State University, is to be appointed director of scientific work in the United States Department of Agriculture by Dr. W. M. Jardine, Secretary of Agriculture, to fill the vacancy caused by the resignation of Dr. E. D. Ball.