

APPOINTMENTS AT HARVARD UNIVERSITY

THE following promotions and appointments in the scientific departments are announced:

George David Birkhoff, professor of mathematics. A.B. (Harvard Univ.) 1905, A.M. (*ibid.*) 1906, Ph.D. (Univ. of Chicago) 1907. Instructor in mathematics, 1907-09, University of Wisconsin; preceptor in mathematics, 1909-11, professor of mathematics, 1911-12, Princeton University; assistant professor of mathematics, 1912-19, Harvard University.

Cecil Kent Drinker, associate professor of applied physiology. S.B. (Haverford Coll.) 1909, M.D. (Univ. of Pennsylvania) 1913. Instructor in physiology, 1915-16, Johns Hopkins University; instructor in physiology, 1916-18, assistant professor of physiology, 1918-19, Harvard University.

Chester Laurens Dawes, assistant professor of electrical engineering. S.B. (Mass. Institute of Technology) 1909. Assistant in electrical engineering, 1911-12, instructor in electrical engineering, 1912-19, Harvard University; instructor in electrical engineering, 1916-19, Massachusetts Institute of Technology.

William Caspar Graustein, assistant professor of mathematics. A.B. (Harvard Univ.) 1910, A.M. (*ibid.*) 1911, Ph.D. (Univ. of Bonn) 1913. Instructor in mathematics, 1913-14, 1919, Harvard University; instructor in mathematics, 1914-16, assistant professor of mathematics, 1916-19, Rice Institute, Texas.

Lincoln Ware Riddle, assistant professor of cryptogamic botany. A.B. (Harvard Univ.) 1902, A.M. (*ibid.*) 1905, Ph.D. (*ibid.*) 1906. Austin teaching fellow in botany, 1905-06, Harvard University; instructor in botany, 1906-09, associate professor of botany, 1909-18, professor of botany, 1918-19, Wellesley College.

Frederick Albert Saunders, assistant professor of physics. A.B. (Univ. of Toronto) 1895, Ph.D. (Johns Hopkins Univ.) 1899. Instructor in physics, 1899-1901, Haverford College; instructor in physics, 1901-02, associate professor of physics, 1902-05, professor of physics, 1905-14, Syracuse University; professor of physics, 1914-19, Vassar College.

Bancroft Huntington Brown, A.M., instructor in mathematics.

Edward Smith Handy, A.B., Austin teaching fellow in anthropology.

Charles Andrew Rupp, Jr., instructor in mathematics.

Arthur Bliss Seymour, S.M., assistant in the cryptogamic herbarium.

Horace Greeley Perry, A.M., Austin teaching fellow in botany.

John Felt Cole, A.B., instructor in astronomy.

McKeen Cattell, A.M., Austin teaching fellow in physiology.

Neal Tuttle, A.M., Austin teaching fellow in chemistry.

THE NATIONAL ACADEMY OF SCIENCES

At the meeting of the National Academy of Sciences, which took place last week at Washington, the following officers were elected:

Home Secretary: Dr. Charles Greely Abbot, assistant secretary of the Smithsonian Institution.
Treasurer: Frederick L. Ransome, U. S. Geological Survey.

Members of the Council: Colonel John J. Carty, American Telephone and Telegraph Company; Dr. Henry H. Donaldson, Wistar Institute of Anatomy, University of Pennsylvania, and Professor Raymond Pearl, school of hygiene and public health, The Johns Hopkins University.

Members were elected as follows:

Professor Joseph Barrell, geologist, Yale University,

Professor Gary Nathan Calkins, zoologist, Columbia University,

Professor Herbert D. Curtis, astronomer, Lick Observatory, University of California,

Gano Dunn, electrical engineer, New York City,

Professor Lawrence J. Henderson, biologist, Harvard University,

Professor Reid Hunt, pharmacologist, Harvard University,

Professor Treat Baldwin Johnson, chemist, Yale University,

Professor W. J. V. Osterhout, botanist, Harvard University,

Dr. Frederick A. Seares, astronomer, Mount Wilson Observatory, Mount Wilson, California,

Professor William A. Setchell, botanist, University of California,

Major General George O. Squier, electrical engineer, chief army signal officer, Washington, D. C.,
Professor Augustus Trowbridge, physicist, Princeton University,

Professor Oswald Veblen, mathematician, Princeton University,

Professor Ernest J. Wilczynski, mathematician, University of California,

Professor Edwin Bidwell Wilson, mathematical physicist, Massachusetts Institute of Technology.