

ciation for the Advancement of Science; formerly professor of astronomy, University of Chicago.

George B. Pegram, dean, Graduate Faculties of Columbia University; past president, Society for Promotion of Engineering Education.

John T. Tate, dean, College of Science, Literature and the Arts of the University of Minnesota; president, American Physical Society.

Edward R. Weidlein, director, Mellon Institute; past president, American Institute of Chemical Engineers.

Frank C. Whitmore, dean, School of Chemistry and Physics of Pennsylvania State College; past president, American Chemical Society.

Those "Modern Pioneers" whose contributions were regarded by the Committee on Awards as particularly significant were honored at a final national dinner at the Waldorf Astoria Hotel, New York City, on February 27, when more than fifteen hundred representatives of industry, commerce and government were in attendance. Nineteen leading inventors and research workers judged by the committee to have made outstanding contributions to the progress of the country in the last twenty-five years were honored as national "Modern Pioneers" and were awarded silver plaques. A silver plaque was also awarded to a group of eleven research workers of the du Pont laboratories. Earlier in the evening the hundred and one local inventors selected by the committee from the New York and New Jersey area were awarded scrolls.

H. W. Prentiss, Jr., of Lancaster, Pa., president of the National Association of Manufacturers, was the principal speaker at the dinner. Other speakers were Dr. Compton, Mr. Lund and Conway P. Coe, Commissioner of Patents. Dr. Charles F. Kettering, vice-president of the General Motors Corporation, addressed the gathering by telephone from his laboratory at Coral Gables, Florida.

Those who received silver plaques are:

Dr. Edwin Howard Armstrong, professor of electrical engineering at Columbia University.

Dr. Leo Hendrik Baekeland, founder and retired president of the Bakelite Corporation of New York.

Dr. William Meriam Burton, of Pasadena, Calif., a former president of the Standard Oil Company of Indiana.

Willis Haviland Carrier, chairman of the board of the Carrier Corporation of Syracuse.

Dr. William David Coolidge, director of the research laboratory of the General Electric Company, Schenectady.

Dr. Frederick Gardner Cottrell, chemist, of Washington.

Dr. George Oliver Curme, Jr., vice-president of the Carbide and Carbon Chemicals Corporation of New York.

Dr. Lee De Forest, president of several De Forest companies, Hollywood, Calif.

John Van Nostrand Dorr, president of Dorr Company, Inc., New York.

Henry Ford, president of the Ford Motor Company, Dearborn, Mich.

Dr. Charles Franklin Kettering, president of General Motors Research Corporation and vice-president of General Motors Corporation.

Edwin Herbert Land, president of the Polaroid Corporation, Boston.

Dr. Irving Langmuir, associate director of the research laboratory of the General Electric Company.

Dr. Harry Steenbock, professor of biochemistry at the University of Wisconsin.

John B. Tytus, vice-president in charge of operations of the American Rolling Mills Company, Middletown, Ohio.

Charles Frederick Wallace, vice-president of Wallace & Tiernan Company, Inc., Belleville, N. J.

Orville Wright, of Dayton, Ohio.

Dr. Vladimir Kosma Zworykin, research engineer of R.-C.-A. Manufacturing Company, Camden, N. J.

The following Nylon group from E. I. du Pont de Nemours & Co., Wilmington, Del.: Drs. Williard E. Catlin, Donald D. Coffman, Winfield W. Heckert, Benjamin W. Howk, George D. Graves, Wilbur A. Lazier, John B. Miles, Jr., Wesley R. Peterson, Frank K. Signaigo, Edgar W. Spanagel and the late Wallace Hume Carothers.

RECENT DEATHS

ARTHUR EDWIN NORTON, since 1935 Gordon McKay professor of applied mechanics in the School of Engineering of Harvard University, died suddenly on February 24. He was in his sixty-third year.

DR. JOSHUA WILLIAM BEEDE, instructor and professor of geology at Indiana University from 1901 to 1917 and from 1928 to 1930, died on February 27 at the age of sixty-eight years. Professor Beede was geologist of the Texas Geological Survey from 1917 to 1922 and was the author of numerous papers on the Upper Paleozoic rocks of Kansas, Oklahoma and Texas.

DR. ORAN RABER, plant physiologist and conservationist in the U. S. Forest Service at New Orleans, died on February 29 at the age of forty-seven years.

MAURICE BLUMENTHAL, consulting engineer of Brooklyn, N. Y., died on February 27 at the age of fifty-two years.

PROFESSOR ALEXANDRE BESREDKA, chief of the laboratory of the Pasteur Institute, Paris, died on February 28. He was seventy years old.

Nature announces the death of Professor Aristide Busi, director of the Institute of Medical Radiology, Rome, aged sixty-five years; of W. M. Gardner, principal of Bradford Technical College from 1905 to 1921, on December 22, aged seventy-eight years; of W. H. Lovegrove, formerly conservator of forests, Kashmir, on January 25, aged seventy-two years; of Professor S. Lees, Chance professor of mechanical engineering in the University of Birmingham, aged

fifty-four years; of B. D. Porritt, director of research of the Research Association of Rubber Manufacturers, on January 28, aged fifty-six years; of F. T. Shutt,

formerly Chief Dominion Chemist and assistant director of the Central Experimental Farm, aged eighty years.

SCIENTIFIC NOTES AND NEWS

VOLUME 66 of *The Journal of Morphology*, appearing during the first half of the year 1940, is being published in honor of Dr. C. E. McClung, professor of zoology at the University of Pennsylvania, whose seventieth birthday occurs on April 5. He has been managing editor of the journal since 1920. It will consist primarily of papers by his former students. It will also include a recent photograph of Dr. McClung, a salutatory statement by Dr. Frank R. Lillie, a biographical sketch and a bibliography of his publications.

THE William H. Nichols Medal of the New York Section of the American Chemical Society was presented to Professor John M. Nelson, of Columbia University, at a dinner of the section at the Hotel Pennsylvania on March 8. The medal was awarded to him in recognition of "important contributions to the chemistry of life processes."

DR. JOHN HERR MUSSER, professor of medicine at Tulane University, received the Alumni Award of Merit of the School of Medicine of the University of Pennsylvania on Founder's Day, January 17, as part of the observance of the bicentennial of the university.

THE Royal Society, London, has conferred foreign membership on Dr. Paul Langevin, professor of physics at the Collège de France and director of the École de Physique et de Chimie, Paris, who was a member of the recent delegation of scientific men sent from France to Great Britain to arrange for a liaison between the scientific organizations of the two countries.

CORRESPONDING members of the Geological Society of America were elected at the Columbus meeting as follows: Per A. Geijer and Erik H. O. Stensiö, of Stockholm, and Felix Andries Vening Meinesz, of Utrecht.

THE German Goethe Medal has been awarded to Dr. Paul Uhlenhuth, professor of hygiene and bacteriology at Freiburg/Br.

THE Harben Gold Medal of the Royal Institute of Public Health and Hygiene, London, has been awarded to Sir Leonard Hill, professor of physiology at the Hospital of the University of London. The Smith award has been conferred on Sir William Savage, recently medical officer of health, Somerset.

RECENTLY elected officers of the Society of Economic Paleontologists and Mineralogists are: *Presi-*

dent, Professor Carey Croneis, University of Chicago; *Vice-president* Dr. J. R. Sandidge, Magnolia Petroleum Corporation; *Secretary-Treasurer*, Dr. H. B. Stenzel, Texas Bureau of Economic Geology; *Councillors*, Past-presidents Professor Gayle Scott, Texas Christian University, and Dr. E. H. Sellards, director of the Texas Bureau of Economic Geology. Professors Norman D. Newell and W. H. Twenhofel, of the University of Wisconsin, continue as editors, respectively, of the periodicals of the society, the *Journal of Paleontology* and the *Journal of Sedimentary Petrology*.

DR. ARTHUR B. LAMB, professor of chemistry and director of the chemical laboratory of Harvard University, has been appointed dean of the Graduate School of Arts and Sciences. Dr. Lamb was professor of chemistry and director of the Havemeyer Laboratory of New York University until 1912, when he took up the work at Harvard University.

DR. STANLEY E. DORST, associate professor of medicine and assistant dean of the College of Medicine of the University of Cincinnati, has been appointed dean to succeed the late Dr. Alfred Friedlander.

BERTRAND RUSSELL, the British mathematician and philosopher, has been appointed professor of philosophy at the College of the City of New York, and Dr. Alfred Tarski, formerly of the University of Warsaw, visiting professor of philosophy. Dr. Gardner Murphy, assistant professor at Columbia University, has been appointed professor of psychology. The appointments are to fill vacancies caused by the recent retirement of Professor Harry Allen Overstreet and of Dr. Morris Raphael Cohen. The department of philosophy and psychology has been divided into two departments.

DR. ALFRED K. SNELGROVE, secretary of the department of geology at Princeton University and of the Princeton Geological Association, has been appointed head of the department of geology and mineralogy at the Michigan College of Mining and Technology.

EDWARD GEORGE TANDY LIDDELL, fellow of Trinity College, Oxford, has been appointed from March 1 Waynflete professor of physiology at the University of Oxford.

DR. F. WOOD JONES, of the University of Manchester, has withdrawn his resignation from the chair of anatomy, which was to have taken effect on Decem-