

ways its grants are enriching the staff and work of the university. Its stimulation is being felt all the way from promising young scholars to our most distinguished scientists of maturity."

Of the total grant, \$84,000 is allotted to special grants-in-aid to stimulate university research. These are used to purchase equipment and supplies and to help to support more than a hundred young men and women graduate research workers. Included in the grant is a new fund of \$25,000 to permit faculty members to carry on during the summer months certain lines of research which are already underway.

There is also included a \$15,000 fund for the continuation of the special fellowships and scholarships inaugurated a year ago, and known as the Wisconsin Alumni Foundation Fellowships for gifted young scholars and students of science. Funds for their support this year have been increased \$5,000 over the \$10,000 given for them last year. At the present time twenty-three young men are carrying on research work under these fellowships. They are selected for their attainments from all parts of the country.

An additional fund of \$5,000 is included in this year's grant for the establishment of two or more post-doctorate fellowships with which it will be possible to bring to the state university gifted men who have already proved their ability to carry on independent research work in the natural sciences.

The grant also includes \$8,000 which will provide for the continuation of the work now being done by Professor Aldo Leopold on game management and the waste land problems and \$1,000 for the continuation of the lectureship fund, which each year brings to the university a leading investigator to lecture on some phase of the natural sciences.

THE TENTH ANNUAL PRIESTLEY LECTURES

DR. WARREN K. LEWIS, professor of chemical engineering at the Massachusetts Institute of Technology, will be the tenth annual Priestley lecturer at the Pennsylvania State College. The lectures will deal with the interrelationships between physical chemistry and chemical engineering, and will be given in the chemistry amphitheater of the college, at 7:00 P.M., on March 23, 24, 25, 26 and 27.

Professor Lewis, Perkin medallist for 1936 and one of the founders of chemical engineering, has chosen for his topic, "The Borderline Between the Physical Chemistry of Fluids and the Behavior of Suspensions." The five lectures will deal with the structure of liquids, the viscosity of fluids, suspensions and emulsions, and gelation.

The Priestley lecture series was inaugurated by the

faculty of the department of chemistry in 1926 as a memorial to Joseph Priestley, the discoverer of oxygen, whose American laboratory was situated only a few miles from State College. In 1931 the Penn State Chapter of Phi Lambda Upsilon (Honorary Chemical Society) undertook the financial support of the lecture series. These lectures, therefore, now constitute a joint memorial to Joseph Priestley on the part of both the faculty of the department of chemistry and of the Penn State Chapter of Phi Lambda Upsilon.

The Priestley lectures deal each year with the borderline between physical chemistry and some other branch of science. Previous Priestley lecturers and their borderline topics are:

- 1927—Dr. V. Cofman, E. I. du Pont de Nemours and Company—Biocolloids.
- 1928—Dr. S. L. Hoyt, General Electric Company—Metallurgy.
- 1929—Dr. H. B. Williams, Columbia University—Medicine.
- 1930—Dr. L. Navias, General Electric Company—Ceramics.
- 1931—Dr. J. W. Williams, University of Wisconsin—Electrical Engineering.
- 1932—Dr. V. K. LaMer, Columbia University—Biochemistry.
- 1933—Dr. E. R. Jette, Columbia University—Metallurgy.
- 1934—Dr. R. A. Gortner, University of Minnesota—Life Processes.
- 1935—Dr. M. A. Hunter, Rensselaer Polytechnic Institute—Electro-metallurgy.

RECENT DEATHS

THE death is announced of Dr. William G. Krauss, professor emeritus of tropical medicine at the Medical College of the University of Tennessee, formerly director of the city laboratory of Memphis. He was one of the first of the southern medical profession to recognize the clinical value of x-rays. Dr. Krauss died as a result of his early work with x-rays.

JAMES H. SCARR, head of the United States Weather Bureau in New York City for the last ten years, died on February 14 at the age of sixty-nine years. Mr. Scarr was a fellow of the American Meteorological Society, scientific member of the Institute of Aeronautical Sciences and member of the American Association for the Advancement of Science.

DR. JAMES HARTLEY ASHWORTH, professor of natural history at the University of Edinburgh, died suddenly in Edinburgh on February 4 at the age of sixty-one years. Dr. Ashworth was visiting professor at the University of California in 1930.

PROFESSOR ANDREW FRANK DIXON, who had been

professor of anatomy and chirurgy at the University of Dublin for the past thirty-three years, died on January 15, at the age of sixty-seven years.

THE Peking correspondent of the London *Times* reports that the Chinese geologist, Dr. V. K. Ting, has died at Changsha at the age of forty-eight years.

SCIENTIFIC NOTES AND NEWS

THE doctorate of laws was conferred on February 14 by Dartmouth College on Dr. James Rowland Angell, president of Yale University, on the occasion of the celebration of the fortieth anniversary of "Dartmouth Night." Dr. Angell and President Ernest M. Hopkins, of the college, were the principal speakers. Until 1920 Dr. Angell was professor of psychology and dean of the faculties of arts, literature and science at the University of Chicago and was later chairman of the National Research Council and president of the Carnegie Corporation.

DR. FREDERIC EUGENE IVES, known throughout the world for his invention of photoengraving and color photography, celebrated his eightieth birthday at his home in Philadelphia on February 17.

At the annual dinner of the American Institute of Mining and Metallurgical Engineers on February 19, the William Lawrence Saunders Medal was presented to Clinton Crane, president of the St. Joseph Lead Company of St. Joseph, Mo.; the Robert W. Hunt Prize was given to C. C. Henning, of the Jones and Laughlin Steel Company of Pittsburgh, and the J. E. Johnson, Jr., Award was presented to Francis Hearne Crockard, of the Republic Steel Corporation. Dr. Robert Peele, professor emeritus of the Columbia University School of Mines, was named as an honorary member of the institute.

A MEDAL for "conspicuous alumni service" was awarded at the annual Lincoln Day celebration of the alumni of Columbia University to Dr. William H. Woglom, member of the medical class of 1901 and professor of cancer research at the Crocker Institute.

At the recent annual meeting of the Geological Society of America, Dr. Victor M. Goldschmidt, professor of mineralogy and geochemistry at Göttingen; Dr. Paul Fourmarier, professor of commercial geography at Liège, and Dr. Emile Argand, professor of geology and paleontology at Neuchâtel, were elected foreign correspondents.

THE council of the Geological Society, London, has made the following awards: The Wollaston Medal to Professor Gustaaf Adolf Frederik Molengraaff, of Delft, in recognition of his researches concerning the mineral structure of the earth in many widely separated regions and especially in the Dutch East Indies and South Africa; the Murchison Medal to Ernest Edward Leslie Dixon, of the British Geological Sur-

vey, in recognition of the value of his geological researches, especially in South Wales and the North of England; a Lyell Medal to Mrs. Eleanor Mary Reid, for her studies of the fossil floras of the Tertiary and Pleistocene rocks; a Lyell Medal to Professor Leonard Johnston Wills, of the University of Birmingham, for his researches on the stratigraphy and paleontology of the Midlands.

SIR ARTHUR SMITH WOODWARD, until his retirement in 1924 for twenty-three years keeper of the Geological Department of the British Museum, has been elected a member of the Royal Swedish Academy of Sciences in Stockholm in the Section of Zoology.

H. P. CHARLESWORTH, assistant chief engineer of the American Telephone and Telegraph Company, has been reelected chairman of the Engineering Foundation, New York City. D. Robert Yarnall, of the Yarnall-Waring Company, of Philadelphia, has been elected vice-chairman and Alfred D. Flinn has been elected director and secretary. Members of the board of trustees are Mr. Charlesworth, Mr. Yarnall, A. L. J. Queneau, George L. Knight, George Barron, Everette DeGolyer, George E. Beggs, Langdon Pearse, Walter H. Fulweiler, Albert E. White, F. M. Farmer, Walter I. Schlichter, Frederick M. Becket, John V. N. Dorr and Edward R. Fish.

THE tenth national convention of Sigma Gamma Epsilon, professional fraternity for geology, mining, metallurgy, ceramics and petroleum engineers, was held at Hollywood, Calif., on December 27 and 28, 1935. The fraternity now has thirty chapters in all parts of the United States. The following national officers were elected: *President*, Professor E. F. Schramm, University of Nebraska; *Vice-presidents*, Dr. E. P. Henderson, U. S. National Museum, Professor K. K. Landes, University of Kansas, Professor E. T. Hodge, Oregon State College; *Secretary-treasurer*, Professor C. B. Carpenter, Colorado School of Mines; *Historian*, Professor F. M. Bullard, University of Texas, and *Editor*, Professor W. A. Tarr, University of Missouri. The next convention will be held at the University of Texas in December, 1937.

C. G. FISHER, president of the Fisher Scientific Company, has been elected chairman for 1936 of the Pittsburgh Section of the American Chemical Society.

ANNOUNCEMENT is made of the retirement from active service next September of Dr. Reid Hunt, since