

Kegarise, Mrs. Elry Furry, both of New Enterprise, Pa. and Mrs. Arch Furry, of Johnstown, Pa. Three brothers preceded him in death.

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### RECENT DEATHS AND MEMORIALS

DR. HERBERT V. NEAL, who retired in 1938 as professor of zoology and dean of the Graduate School of Tufts College, was killed in an automobile accident on February 21. He was seventy years old.

DR. WILLIAM CONGER MORGAN, professor of chemistry and chairman of the department at the University of California at Los Angeles, died on February 9. He was in his sixty-sixth year.

DR. HORACE T. MANN, associate professor of petroleum engineering at the Massachusetts Institute of Technology, died on February 8 in his fifty-ninth year.

DR. ULYSSES S. HANNA, professor emeritus of mathematics at Indiana University, for forty-two years a member of the department, died on February 18 at the age of seventy-five years.

ERNEST ALBERT HOWES, dean of the College of Agriculture at the University of Alberta, died on February 10 at the age of sixty-seven years. He was a former member of the Canadian Department of Agriculture in Ottawa and had been professor of agronomy for a year at the University of Nevada.

DR. FRIEDRICH EMICH, professor emeritus of the Polytechnique Institute of Graz, Austria, the originator of modern microchemistry, died on January 22 at the age of seventy-nine years.

DR. ARVID GUSTAF HÖGBOM, professor emeritus of geology at Upsala University, died on January 19, at the age of eighty-four years. He was a correspondent

of the Geological Society of America and an honorary member of the geological societies of Vienna and Frankfurt a. Main, and of the Geographical Society of Finland.

A CORRESPONDENT writes: Notice has just been received from Dr. A. E. Fersman, of Moscow, of the death in Leningrad on October 25, in his eightieth year, of Professor Franz J. Loewinson-Lessing, member of the Academy of Sciences, USSR, and director of its Petrographical Institute, correspondent of the Geological Society of America, honorary member of the Geological Societies of London, Brussels and Liège. Professor Loewinson-Lessing, geological leader of Russian scientific men for many generations, was founder of the Petrographical Institute of the Academy of Sciences, USSR, author of more than two hundred scientific works, and was widely known for his chemical classification of rocks and a series of text-books on geology and petrography.

A PORTRAIT of the late Dr. T. Wingate Todd, professor of anatomy at Western Reserve University School of Medicine, Cleveland, was recently presented to the library of the department of anatomy by the Charles Bolton Fund. Birdsill Holly Broadbent, director of the fund, made the presentation on Dr. Todd's birthday, January 15, and President Winfred G. Leutner accepted it. The portrait was painted by Dr. Erich von Baeyer, fellow in röntgenology at University Hospital.

*Nature* states that in memory of the late Professor V. R. Williams, the Russian authority on soils, the Timiryazev Agricultural Academy in Moscow has founded three annual prizes to be awarded for the best work on soil study and cultivation. The first prize is of 5,000 roubles, the second of 3,000 roubles and the third of 1,500 roubles. The Commissariat of Agriculture is preparing for publication a complete collection of the works of Professor Williams.

## SCIENTIFIC EVENTS

### SCIENTIFIC COLLABORATION BETWEEN GREAT BRITAIN AND FRANCE

THE issue of *Nature* for February 3 gives an account of the visit of French scientific men to Great Britain. It says that there was a delegation from the Centre National de la Recherche Scientifique, the director of which, Professor H. Longchambon, was at the head. The other members of the delegation were: M. M. Fréchet, professor of mathematics at the Sorbonne; M. G. Darmon, professor of mathematics at the Sorbonne; M. F. Joliot, professor of physics at the Sorbonne; M. P. Auger, professor of physical chemistry at the Sorbonne; M. C. Sadron, professor of building

legislation at the Ecole Nationale Supérieure des Beaux-Arts, Strasbourg; M. G. Dupont, professor of theoretical chemistry at the Sorbonne; M. Denivelle, professor of chemistry at the Ecole Supérieure de Chimie at Mulhouse; M. A. Mayer, professor of medicine at the Collège de France; M. L. Blaringhem, professor of botany at the Sorbonne; M. P. Chouard, professor of agriculture at the Conservatoire National des Arts et Métiers; M. P. Langevin, professor of experimental physics at the Collège de France; Dr. P. Montel, professor of mathematics at the Sorbonne.

Lord Chatfield spoke recently in the House of Lords on the exchange of information and extension of the

liaison between the scientific organizations of Great Britain and France. The program arranged for the visitors included a reception at the Royal Society on January 29, when the guests were received on its behalf by Sir Albert Seward and Professor F. G. Donnan. Dr. E. V. Appleton then addressed the meeting, and described the organization of the scientific effort for defence in Great Britain. The French delegation was introduced by Dr. Montel, after which Professor Longchambon described the steps taken in France to mobilize scientific research. Professor Langevin also spoke. On January 30, the French delegation visited the National Physical Laboratory at Teddington, and on the following day went to Cambridge, where they visited the Cavendish Laboratory and the Colloid Science Laboratory.

A meeting of the Royal Society was arranged for February 1, at which Sir Arthur Eddington read a paper on "The Masses of the Proton, Neutron and Mesotron," and L. Jánossy and B. Rossi a paper on "Photon Component of Cosmic Radiation." Professor E. J. Williams gave an account of his experiments on the transformation of mesotrons into electrons, and Professor P. Auger and Professor P. M. S. Blackett took part in the discussion. On the same evening the French delegation was entertained at dinner by British men of science.

#### FELLOWSHIPS FOR BUSINESS EXECUTIVES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

THE third competition for at least ten fellowships open to young business executives which will cover twelve months of advanced study and investigation in the fields of business administration and economics has been announced by the Massachusetts Institute of Technology.

It is planned that the fellows obtain leave of absence from their present employment in order to undertake a special one-year program of work aimed further to prepare them for positions of higher administrative responsibility. The program, which is under the direction of Professor Wyman B. Fiske, is made possible largely through a renewed grant of \$32,500 from the Alfred P. Sloan Foundation. It meets the stated objective of the foundation—"the increase and diffusion of economic knowledge" by emphasis upon the broader economic and social aspects and responsibilities of industry. Stipends of \$2,500 for fellows who are married are permitted. This brings the opportunity within the range of all who are competent to benefit from it. The competition will close on March 16.

Opportunity is provided for advanced study in a variety of professional subjects and for concentration

in a chosen field in an attempt to give a broad understanding of the implications of each function and of its relation to the rest of the business. Each fellow will be required to undertake an individual investigation into some aspect of business administration. These investigations usually involve field work and ordinarily are in the same field as that selected for concentration.

There will be an organized series of evening conferences with approximately forty leading industrial executives, government representatives and labor leaders. Part of these conferences are held in connection with field trips in which the group combines visits to the industries of a particular location and is given opportunities for conferences with the executives of the plants visited. A wide range of industries and a broad geographic area are represented in the group that cooperates in this activity.

The selection of fellows is made upon the basis not only of certain minimum requirements, but also on evidence of ability and opportunity to benefit from the special nature of the program. Applicants should be between the ages of twenty-seven and thirty-four years and should have had a minimum of five years of industrial experience, part at least of a managerial type and in executive work, following the completion of their academic education. The academic background must have been in either science or engineering.

#### GRANTS OF THE COMMITTEE ON SCIENTIFIC RESEARCH OF THE AMERICAN MEDICAL ASSOCIATION

THE Committee on Scientific Research of the American Medical Association, under the chairmanship of Dr. Hektoen, has awarded the following grants:

To the Division of Neurology and Neurosurgery of the University of Chicago for the investigations of Drs. P. C. Bucy and Heinrich Klüver on the functions of the temporal lobes of the rhesus monkey, which will be extended by Dr. W. H. Sweet in an anatomical study of the projection from the temporal lobe in that species.

To Dr. A. G. Eaton, assistant professor of physiology at the School of Medicine of the Louisiana State University, for the continuation of his work on the absorption and metabolism of the amino acids.

To Dr. Louis N. Katz, director of cardiovascular research at the Michael Reese Hospital, Chicago, for a study of factors influencing the work of the heart.

To Dr. I. Davidsohn, pathologist of the Mount Sinai Hospital, Chicago, for work on the Thomsen Panagglutination Phenomenon in Serum.

To Dr. Robert S. Dow, of the Medical School of the University of Oregon, for the completion of study of the vascular architect and lesions of multiple sclerosis.

To Dr. Armand J. Quick, of the department of pharma-