

all the requirements for the Ph.D. degree except the thesis. These fellowships are intended to supplement formal academic study by opportunity for direct contact with the materials of social science not available in the classroom or library.

The remaining sixty awards are research grants-in-aid, designed to assist mature scholars in the completion of research projects already well under way. These grants average about \$450 and do not ordinarily exceed \$1,000. Twelve of these appointments were made through a special fund specifically granted for the purpose of assisting and encouraging the research of social science faculties in the South. The objectives and requirements for eligibility are the same as those governing the national grants-in-aid, but applications are restricted to fourteen southern states.

ENGINEERING AWARDS IN GREAT BRITAIN

THE following awards for 1940 of the Institution of Mining and Metallurgy are reported in *Nature*: Consolidated Gold Fields of South Africa Limited Gold Medal to C. R. Julian for his paper on "Underground Mining at Rio Tinto, Spain"; Consolidated Gold Fields of South Africa Limited Premium of forty guineas conjointly to J. Spalding and T. W. Parker for their paper on "Air-Conditioning Plant at the Ooregum Mine-Kolar Gold Field"; William Frecheville Students' Prize of ten guineas conjointly to J. E. Denyer and K. C. G. Heath for their paper on "Mining and Milling Tin-Tungsten Ore at Mawchi Mine, Burma." The council has also elected H. K. Picard to honorary membership, in recognition of his distinguished services to metallurgy.

The awards of the premiums of the Council of the Institution of Electrical Engineers are: *Institution Premium*: C. F. Booth; *Ayrton Premium*: W. A. Cook; *Fahie Premium*: A. Fairweather and J. Ingham; *John Hopkinson Premium*: G. H. Rawcliffe; *Kelvin Premium*: C. E. R. Bruce and R. H. Golde; *Extra Premiums*: C. G. Garton, L. Gosland and W. F. M. Dunne, Professor Willis Jackson and A. E. Chester, Dr. R. Jessel, W. J. Mason and S. A. G. Emms, G. H. Metson, A. Langley Morris; *Wireless Section Premiums*: N. M. Rust, O. E. Keall, J. F. Ramsay and Dr. K. R. Sturley (Ambrose Fleming Premium), C. A. Mason and J. Moir, Dr. R. H. Barfield; *Meter and Instrument Section Premiums*: Dr. A. E. W. Austen and Dr. S. Whitehead, A. J. King, Dr. R. W. Guelke, C. R. Maguire and Dr. R. A. Scott; *Transmission Section Premiums*: F. R. Perry (Sebastian de Ferranti Premium), Dr. C. Dannatt and R. A. Polson.

DEATHS AND MEMORIALS

DR. JAMES WATERMAN GLOVER, James Olney pro-

fessor of mathematics, emeritus, at the University of Michigan, died on July 15 at the age of seventy-two years. Dr. Glover had been connected with the university since 1895 when he joined the faculty as instructor of mathematics.

DR. ALADINE CUMMINGS LONGDEN, since 1926 professor emeritus of physics at Knox College, Galesburg, Ill., died on July 12 at the age of eighty-four years. He joined the faculty of Knox College in 1901.

DR. OLAF ANDERSON, professor of petrographic analysis at the Stevens Institute of Technology, died on July 18 at the age of fifty-seven years.

DR. ARTHUR ALBERT WEDEL, specialist in the subsurface stratigraphy of the central Southern States, died on May 7 at the age of forty-three years.

PROFESSOR A. KRYSHTOFVICH, of Leningrad, has written to inform us of the death in her fifty-second year, on April 12, of Dr. Nina V. Pimenova, paleobotanist and geologist to the Geological Institute of the Ukrainian Academy of Science, Kiev, and lecturer on paleobotany in the State University, and on May 5, in his eighty-fifth year, of Dr. Alexander A. Brauner, director of the Zoological Museum of the Odessa State University, Ukraine, known for his work in the zoology and zoogeography of the U.S.S.R.

DR. PETER VAN DE KAMP, of the Sprout Observatory of Swarthmore College, writes: "A letter received from the Netherlands a few days ago mentions the death of Professor Leonard Salomon Ornstein in Utrecht. Professor Ornstein was born in Nijmegen, Holland, on November 12, 1880. He studied at the University of Leiden, where he was assistant in theoretical physics and received the doctor's degree in 1908. A year later he was appointed lecturer at the University of Groningen; in 1915 he became professor in theoretical physics at the University of Utrecht and was appointed director of the physical laboratory in 1922 as successor to W. H. Julius. His field of study included molecular theory, heat, electricity, optics and liquid crystals. Ornstein's death at the early age of sixty years comes as a shock, since only recently a letter was received in which he reported himself as being in good health."

THE *Journal* of the American Medical Association reports that special ceremonies to dedicate a medalion in Touro Infirmary, New Orleans, were held, June 24, in honor of Dr. Rudolph Matas, who until his retirement in 1935 since 1895 had been affiliated with the institution. A bronze plaque carrying his likeness, executed by Mrs. J. Higginson Manning, New Orleans, was unveiled by Dr. Isidore Cohn, who succeeded him in 1935 as chief surgeon of the infirmary.