

ican Society of Mechanical Engineers, serving for two terms; three times a vice-president of the American Association for the Advancement of Science, and a member of the American Society of Civil Engineers and of numerous other technical and academic organizations in this country and abroad. He also served on several important state and federal commissions.

Dr. Thurston was considered an authority on materials of construction, steam engines and boilers, and the history of engineering, as well as on the philosophy of education. His most widely known work, "A History of the Growth of the Steam Engine," published originally in 1878, is scheduled for republication this year as part of the celebration of the centennial of his birth.

Training engineers to meet the problems of the future was a subject of perennial interest to Dr. Thurston and will be the theme of the Anniversary Convocation. Thurston, the pioneer, proclaimed values and enunciated principles that have a bearing to-day, and the spirit of Thurston counsels boldness in grasping the immense opportunities of to-morrow.

RECENT DEATHS AND MEMORIALS

DR. LEWIS D. ROBERTS, professor of physical chemistry at the University of Southern California, died by suicide on August 3. He was in his fifty-sixth year.

DR. CLYDE MASON SHAW, professor emeritus of the College of Pharmacy at the University of Illinois, Chicago, died on August 5, at the age of seventy-one years.

DR. COOPER CURTICE, who retired as veterinarian at the Bureau of Animal Industry of the U. S. Department of Agriculture in 1930, known for his work in the eradication of cattle ticks and cattle-tick fever, died on August 8, at the age of eighty-three years.

Nature reports the death on July 28 of Professor R. W. Reid, emeritus regius professor of anatomy in the University of Aberdeen; and of Scoresby Routledge, known for his investigations among the Akikuyu of East Africa and of the archeology and ethnology of Easter Island, on July 31, in his eightieth year.

ACCORDING to *Nature* a teak memorial seat to the late Sir William Perkin, the chemist, is to be unveiled and dedicated to the public at Sudbury, Middlesex, on August 12. The memorial will be outside a recreation ground, and opposite the site where Sir William's house and laboratory stood. The cost of the memorial has been met by public subscription.

SCIENTIFIC NOTES AND NEWS

DR. ROBERT A. MILLIKAN, of the California Institute of Technology, accompanied by Dr. H. Victor Neher and Dr. W. H. Pickering, sailed for Australia on August 16. They will engage in cosmic ray research in Australia, Tasmania, the East Indies, India and Egypt, returning in February, 1940.

THE Royal College of Physicians has made the following awards: the Baly Gold Medal to Dr. C. H. Best, professor of physiology in the University of Toronto, for his physiological researches; the Moxon Gold Medal to Sir Arthur Hurst, senior physician to Guy's Hospital, for his researches and observations in clinical medicine; the Weber-Parkes Medal and Prize to Sir Pendrill Varrier-Jones, founder and medical director of the Papworth Village Settlement, for his work on tuberculosis.

THE gold medal of the Royal Agricultural Society of England has been awarded to Sir George Stapledon, professor of agricultural botany at the University College of Wales at Aberystwyth and director of the Welsh Plant Breeding Station, "for his distinguished services to agriculture."

THE prize of the Senckenberg Foundation of the value of about 4,000 marks, which was established a hundred and seventy-five years ago, was awarded on the occasion of the twenty-fifth anniversary of the university at Frankfurt-a/M, to Dr. Ernst Ruska for his work with the electron microscope. The prize

is awarded every three years to a German investigator for contributions to the advancement of medicine or science.

THE *Journal* of the American Medical Association reports that at the annual meeting of the Minnesota State Medical Association it was voted to present the distinguished service medal and scroll, awarded to members for special contributions to the work of the association, to the late Drs. William J. Mayo and Charles H. Mayo. Their photographs will be hung in the Medical School of the University of Minnesota.

DR. GEORGE H. FANCHER, professor of petroleum engineering at the University of Texas, has been elected a fellow of the International Institute of Petroleum, which has its headquarters in London.

THE University of Edinburgh has conferred the doctorate of laws on Dr. Francis H. A. Marshall, fellow of Christ's College, Cambridge, and reader in agricultural physiology in the University of Cambridge, in recognition of his work in the physiology of reproduction.

PROFESSOR LUIGO D'AMATO, director of the Medical Clinic of the University of Naples, has been made a senator of Italy.

DR. LAIGNEL-LAVASTINE, professor of the history of medicine at the University of Paris, has been elected president of the International Society of the History of Medicine.