the trustees may think fit. The fund has proved exceedingly useful in cases which do not come within the ordinary scope of the Royal Medical Benevolent Fund and in cases in which there is urgent need for help.

RECENT DEATHS

DR. L. L. VAN SLYKE, chemist at the New York State Agricultural Experiment Station at Geneva and professor of dairy chemistry at Cornell University, died on October 1. He was seventy-two years old.

DR. WILLIS A. SLATER, director of the Fritz engineering laboratory at Lehigh University and formerly engineer physicist at the U. S. Bureau of Standards, died on October 6 at the age of fifty-three.

DR. GEORGE THOMSON ELLIOT, emeritus professor of dermatology at Cornell University Medical College, died on September 14. Dr. Elliot was seventy-six years of age.

MR. ALFRED J. HENRY, senior meteorologist in the U. S. Weather Bureau and editor of the *Monthly Weather Review,* died on October 5, aged seventy-three years.

DR. JAMES W. GIDLEY, assistant curator of fossil mammals at the U. S. National Museum, died on September 26. He was sixty-five years of age.

DR. J. MADISON TAYLOR, professor of physical therapeutics and dietetics at Temple University, died on October 3 at the age of seventy-seven years.

PROFESSOR JOSIAH W. VOTEY, dean of the College of Engineering at the University of Vermont, died on September 16, at the age of seventy-one years.

MR. ANDREW J. WILEY, well-known consulting engineer, died on October 7. He was sixty-nine years of age.

SIR WILLIAM JOHN RITCHIE SIMPSON, director of tropical hygiene at the Ross Institute, Putney, editor of the *Journal of Tropical Medicine,* and emeritus professor of hygiene and public health at King's College of the University of London, died on September 20, at the age of seventy-six years.

DR. PERCY GROOM, professor of the technology of woods and fibers at the Imperial College of Science and Technology, died suddenly on September 16. Dr. Groom was sixty-six years of age.

COLONEL THE HONORABLE MILO G. TALBOT, who was awarded a Royal Medal of the Royal Geographical Society in 1909 and who was known for his surveys of the northwest frontier of India and Anglo-Egyptian Sudan, died on September 3 at the age of seventy-six years.

SCIENTIFIC EVENTS

THE METALLURGICAL ADVISORY BOARD

THE fifth annual open meeting of the metallurgical advisory board to the Carnegie Institute of Technology and the U. S. Bureau of Mines will be held on Friday, October 16, on the campus of the institute, in Pittsburgh. The progress made on research problems undertaken jointly by the Carnegie Institute and the U. S. Bureau of Mines will be discussed during the morning and afternoon sessions by investigators from the two laboratories.

Mr. Charles F. Abbott, executive director of the American Institute of Steel Construction, Inc., will be the principal speaker at the evening session, which will follow an informal dinner at the Hotel Schenley. Mr. Abbott's subject will be "Market Research in the Steel Industry." Dr. Thomas S. Baker, president of the Carnegie Institute of Technology and organizer of the advisory board, will preside at the evening session.

The morning meeting will be devoted to reports and discussions on iron-manganese-carbon alloys and chrome-nickel alloys. Reports on research work will be given by Dr. Francis M. Walters, Jr., director of the Bureau of Metallurgical Research of the Carnegie Institute; Dr. V. N. Krivobok, metallurgist of the same bureau, and Maxwell Gensamer and Cyril Wells, assistants. Dr. C. H. Herty, Jr., physical chemist, and M. B. Royer, assistant metallurgist, of the U. S. Bureau of Mines, will deliver a report on the solubility of carbon in iron-manganese-silicon alloys. Dr. G. R. Fitterer, associate metallurgist of the U. S. Bureau of Mines, will report on the electrolytic method for the determination of inclusions in steel. Other reports will be delivered by the same investigators.

The physical chemistry of steel-making will be reported on and discussed at the afternoon session. The three outstanding contributions from this work are the development of a new manganese-silicon deoxidizer, which has been shown to be much superior to ferro-manganese ferro-silicon in combination in producing clean steel at a low cost; the development of a method for quantitatively determining non-metallic inclusions in plain-carbon steels; and the determination of the factors which affect the oxidation of steel in the open-hearth furnace. These reports will be made by Dr. Herty and members of the staff of the U. S. Bureau of Mines. The several reports will be interspersed with discussions by metallurgists from the industry.