

The Medals of the Franklin Institute. The medal meeting of the Franklin Institute, Philadelphia, was held on the afternoon of May 15th at 3.30.

Presentations were made as follows:

Certificate of Merit to MR. GEORGE F. MACHLET, American Gas Furnace Company, Elizabeth, New Jersey.

Longstreth Medals to MR. EDWARD G. HERBERT, Atlas Works, Manchester, England; DR. KONRAD JAGSCHITZ, Mainz, Germany; MR. A. W. MACHLET, American Gas Furnace Company, Elizabeth, New Jersey; and MR. J. F. PETERS, Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pennsylvania.

Wetherill Medals to MR. GUSTAVE FAST, The Bartlett Hayward Company, Baltimore, Maryland; MR. W. H. MASON, Masonite Corporation, Laurel, Mississippi; and DR. JOHANNES RUTHS, Djursholm, Sweden.

The Levy Medal to MR. LODEWYK J. R. HOLST, Brock and Weymouth, Inc., Philadelphia.

Cresson Medals to SIR JAMES C. IRVINE, St. Andrews, Scotland; DR. CHEVALIER JACKSON, Jefferson Medical College, Philadelphia; and DR. ELMER A. SPERRY, Sperry Development Company, Brooklyn, New York.

Franklin Medals and Certificates of Honorary Membership to MR. EMILE BERLINER, Washington, District of Columbia, and DR. CHARLES THOMSON REES WILSON, Cambridge, England, received by SIR ESME HOWARD, British Ambassador to the United States.

The following papers were read:

"Vocal Physics—Historical Notes," by EMILE BERLINER, and "Some Thundercloud Problems," by C. T. R. WILSON, University of Cambridge, who was represented by Professor JOHN ZELENY of Yale University.—*Science*, 59, 466 (May 3, 1929).