Early form of Steam Engine Indicator, invented by Wm. Macnaught, Glasgow, and used on steamboat "Richard Stockton." Gift of Mr. W. F. Carnes, Harlan and Hollingsworth Corporation.

Hirsch Electric Cap Lamp for use in mines. Gift of the Hirsch Electric Mine Lamp Co.

First Model of Ellis Adding Typewriter. Gift of Mr. Halcolm Ellis.

Autograph letter from John Tyndall, Royal Institution of Great Britain, dated June 12, 1882, to A. E. Outerbridge, Jr., referring to "a very important observation made by General Duane on the Coast of the United States," and autograph letter from Sir Frederick Bramwell, dated London, December 4, 1882, to A. E. Outerbridge, Jr., referring to "Sterlings Toughened Cast Iron," and enclosing patent specification No. 11,262 issued in 1846. Gifts of Prof. A. E. Outerbridge, Jr.

REPORT OF COMMITTEE ON MEETINGS.

To the President and Members of The Franklin Institute:

During the year ending September 30, 1913, eight stated meetings were held.

At the May meeting the Institute's Elliott Cresson Medal was presented to Dr. Chas. P. Steinmetz, Dr. Isham Randolph, and Mr. Emile Berliner. The presentations were made by President Walton Clark, and were followed by addresses from each of the recipients of the medal.

Under arrangements made by the Committee on Meetings, with the coöperation of the Secretary's office, papers were presented at the meetings as follows:

October 16, 1912: "Recent Developments in Radiography." Mr. H. Clyde Snook.

November 20, 1912: "The Railway Tunnels of New York City." Dr. Alfred Noble.

December 18, 1912: "The Engineer in the Building of the Republic." Dr. Isham Randolph.

January 15, 1913: "Applications of the Gyroscope to Marine Purposes." Mr. Elmer A. Sperry.

February 19, 1913: "Transmission of Electrical Energy." Prof. Elihu Thomson.

March 19, 1913: "The Generation and Distribution of Energy." Mr. Samuel Insull.

April 16, 1913: "The Wireless Telephone." Prof. G. W. Pierce.

May 21, 1913: "Development of the Talking Machine." Mr. Emile Berliner.

"The Imaginative Faculty in Engineering." Dr. Isham Randolph.

"Some Electrical Problems Awaiting Solution." Dr. Chas. P. Steinmetz.

These papers were referred to the Committee on Publications, and afterwards, with the exception of one, were published in the JOURNAL.

JAMES S. ROGERS,
Chairman.

PHILADELPHIA, January 14, 1914.