THE FRANKLIN INSTITUTE

(Proceedings of the Stated Meeting held Wednesday, April 16, 1913.)

HALL OF THE FRANKLIN INSTITUTE,
PHILADELPHIA, April 16, 1913.

VICE-PRESIDENT COLEMAN SELLERS *in the Chair.*

Additions to membership, 36.

After the transaction of the usual Institute business a joint meeting was held with the Philadelphia Section of the American Institute of Electrical Engineers, Vice-President Sellers and Chairman Hornor presiding jointly.

Vice-President Sellers introduced Dr. G. W. Pierce, Assistant Professor of Physics, Harvard University, who spoke on "The Wireless Telephone."

Dr. Pierce first reviewed the methods of producing high-frequency electric oscillations by the singing-arc, the quenched-spark and the high-frequency generator, illustrating his remarks by lantern slides and by demonstrations of the first and second of these methods.

By means of schematic diagrams, he explained how such oscillations produced the continuous train of magnetic waves necessary for wireless telephony.

He stated that the chief advantage of wireless telephony over telegraphy was that less trouble was experienced from atmospheric and other interferences, since words could be interpreted more easily than signals, even if only a few syllables of such words were audible.

Dr. Pierce stated that wireless telephony had already been successful over a distance of 35 miles.

After a vote of thanks to the speaker, the meeting adjourned.

R. B. OWENS,
Secretary.

THE FRANKLIN INSTITUTE SCHOOL OF MECHANIC ARTS—REPORT OF THE DIRECTOR FOR THE SEASON 1912-1913.

(Abstract.)

To all who have the interests of the School at heart, it is a matter of gratification to note that the steady increase in the enrollment, which began with the reorganization of the work in all Departments in 1910, still persists.