original investigation, were read before the section and published in the *Journal* of the Institute. In addition to these, four other communications were presented, thus making a total of thirty-three subjects of scientific interest which were considered at ten regular meetings.

Very respectfully submitted,

WM. C. DAY, *Secretary*.

REPORT OF THE ELECTRICAL SECTION.

(For 1891.)

The President and Members of the Franklin Institute :

The Secretary of the Electrical Section begs leave to present the following report of the proceedings of the section, for 1891 :

An application for the formation of an Electrical Section, made in accordance with section 3, of article xi, of the by-laws, was presented to the Board of Managers and approved by them, and reported to the Institute with the names of the founders, at its stated meeting, December 17, 1890. After two preliminary meetings, the section was organized on February 24, 1891, by the adoption of its by-laws and the election of the following officers :

<i>President</i> ,	PROF. EDWIN J. HOUSTON.
<i>Vice-Presidents</i> ,	{ MR. CARL HERING.
	{ MR. PEDRO G. SALOM.
<i>Secretary</i> ,	PROF. L. F. RONDINELLA.
<i>Treasurer</i> ,	{ DR. WM. H. WAHL.
<i>Conservator</i> ,	{

The membership has increased from sixteen founders to sixty-eight active and associate members now on the roll, and the section has lost two members by resignation and one by death.

Seven stated meetings have been held, in accordance with the section's by-laws, on the first Tuesday of each month excepting July and August, with an average attendance of thirty members and visitors at each meeting.

The communications that have been presented during the year, may be found printed in full in the *Journal* of the Institute, and in the present volume of the Proceedings of the section.

In addition to these, many open questions have been discussed, and several electrical devices have been exhibited and described, so that every meeting has been interesting and profitable.

The growth of the section in every way during the short period of its existence has been very gratifying, and it is hoped and believed that it will continue in the future, so that its work may assist in maintaining the scientific *prestige* of the Institute in the department of electricity.

Respectfully submitted,

L. F. RONDINELLA, *Secretary*.

Philadelphia, January 5, 1892.