

which was awarded a grand prize. The exhibit consisted of a series of booths and a large collection of pictures, contrasting good and bad lighting in home, school, store and mill, and showing in a striking manner the importance of direction in illumination, and the vast difference between good use and misuse of light.

The entire exhibit, which was installed under the direction of a special committee of the society, is to be placed in the American Museum of Safety, in the Engineering Societies Building, New York, where it may be seen, free of charge, by the public.

Directors' Meeting, December 12, 1913

The Board of Directors of the Institute held its regular monthly meeting in New York on Friday, December 12, 1913, at 3:30 p.m.

There were present: President C. O. Mailloux, New York; Past-President Ralph D. Merzhon, New York; Vice-Presidents A. W. Berresford, Milwaukee, Wis., S. D. Sprong, New York; Managers F. S. Hunting, Fort Wayne, Ind., W. S. Lee, Charlotte, N. C., Farley Osgood, Newark, N. J., C. A. Adams, Cambridge, Mass., J. Franklin Stevens, Philadelphia, Pa., William McClellan, New York, H. A. Lardner, San Francisco, Cal., B. A. Behrend, Boston, Mass., Peter Junkersfeld, Chicago, Ill., L. T. Robinson, Schenectady, N. Y.; Treasurer George A. Hamilton, Elizabeth, N. J.; and Secretary F. L. Hutchinson, New York.

The action of the Finance Committee in approving monthly bills amounting to \$7,218.64, was ratified.

Upon the recommendation of the Sections Committee, Section 51 of the Institute by-laws, limiting Section territory to points within sixty miles of the meeting place of a Section, was amended so as to permit the Board of Directors to extend this territory in cases where such extension is warranted by condi-

tions such as obtain with some of the Pacific Coast Sections.

Upon the recommendation of the Board of Examiners, the following action was taken upon pending applications for election and transfer:

Fifty-five applicants were elected Associates.

Eighty-four students were ordered enrolled.

The following applicants were elected to the grade of member: Stephen F. Briggs, Milwaukee, Wis.; Fred A. Bryan, South Bend, Ind.; J. W. Hissink, Kaiserdamm, Berlin, Germany; A. D. Hotson, Vancouver, B. C.; William P. Kennedy, New York; Sherman G. Peticolas, Omaha, Neb.; Samuel R. Pritchard, Blacksburg, Va.; Richard H. Whitehead, Pedro Miguel, C. Z.

The following Members were transferred to the grade of Fellow: H. A. Mavor, Glasgow, Scotland; William McLellan, Newcastle-on-Tyne, England.

The Standards Committee reported recommending the publication in the PROCEEDINGS of the preliminary report of the Joint Rubber Insulation Committee, an unofficial body representing various manufacturers and users of rubber compounds, which has been at work for two years preparing a standard specification and analytical procedure for 30 per cent *Hevea* rubber insulating compound. The report is printed in Section II of this issue.

The Secretary announced the following additional committee appointments by President Mailloux:

Standards Committee: W. A. Del Mar.

Committee on Electrically Propelled Vehicles: Ernest Lunn and Frank W. Smith.

Sub-Committee on Transmission: Victor H. Greisser.

Sub-Committee on Distribution: P. M. Lincoln.

Local Representatives of the Board of Examiners (As recommended by that Board): C. L. Cory, Berkeley, Cal.; R. F. Hayward, Vancouver, B. C.; H. H.

Humphrey, St. Louis, Mo.; L. A. Herdt, Montreal, P. Q.; A. M. Schoen, Atlanta, Ga.; E. Leonarz, Monterey, Mex.; W. B. Jackson, Chicago, Ill.; J. F. Vaughan, Boston, Mass.

**A. I. E. E. Meeting in New York
December 12, 1913**

The 289th meeting of the Institute was held in the auditorium of the Engineering Societies Building, New York, on Friday evening, December 12, 1913.

President C. O. Mailloux called the meeting to order at 8:40 p.m., and introduced Mr. F. M. Farmer, who read his paper entitled *The Dielectric Strength of Thin Insulating Materials*.

Those who took part in the discussion of Mr. Farmer's paper and the general subject of insulating materials, were Messrs. F. W. Peek, Jr., Phillips Thomas, R. P. Jackson, C. E. Skinner, Henry W. Fisher, M. E. Tressler, E. B. Rosa, Clayton H. Sharp, John B. Taylor, A. E. Kennelly, D. B. Rushmore, H. M. Hobart, W. I. Middleton, C. F. Scott, and F. M. Farmer.

The meeting was then adjourned to the rooms of the Institute on the tenth floor, where light refreshments were served to the members and guests.

**Recommended for Transfer,
December 9, 1913**

The Board of Examiners, at its regular monthly meeting on December 9, 1913, recommended the following members of the Institute for transfer to the grades of membership indicated. Any objection to these transfers should be filed at once with the Secretary.

TO THE GRADE OF FELLOW

BAUM, F. G., Consulting Engineer; Chief Engineer Hydraulic Construction, and General Superintendent Construction, Pacific Gas & Electric Co., San Francisco, Cal.

TO THE GRADE OF MEMBER

LITTLE, ARLINGTON P., Associate Professor of Electrical Engineering, Oklahoma A. & M. College, Stillwater, Okla.

PYLE, CLARENCE G., District Sales Agent, Standard Underground Cable Co., Los Angeles, Cal.

**Transferred to the Grade of
Fellow December 12, 1913**

The following were transferred to the grade of Fellow of the Institute at the meeting of the Board of Directors on December 12, 1913.

MAVOR, H. A., Electrical Engineer, Glasgow, Scotland.

MCLELLAN, WILLIAM, Merz and McLellan, Newcastle-on-Tyne, England.

**Members Elected December
12, 1913**

BRIGGS, STEPHEN F., President, Briggs & Stratton Co., Milwaukee, Wis.

BRYAN, FRED A., President & General Manager, Indiana & Michigan Electric Co., 220 Colfax Ave., South Bend, Ind.

HISSINK, J. W., Member of Board of Directors, Bergmann-Elektricitatswerke Aktiengesellschaft; res., Kaiserdamm 36, Berlin W., Germany.

HOTSON, A. D., Senior Member, Hotson & Gillies, Vancouver, B. C.

KENNEDY, WILLIAM P., Consulting Engineer, 1790 Broadway; res., Hotel Flanders, 135 W. 47th St., New York, N. Y.

PETICOLAS, SHERMAN G., Consulting Electrical & Mechanical Engineer, Suite 209-15 Woodmen of the World Bldg., Omaha, Nebr.

PRITCHARD, SAMUEL REYNOLDS, Professor of Electrical Engineering, Virginia Polytechnic Institute, Blacksburg, Va.

WHITEHEAD, RICHARD HENRY, Testing Engineer, Isthmian Canal Commission, Pedro Miguel, C. Z.

Total 8.