

WITH regard to the article in last issue on "Concrete Superstructures," Mr. Warner wishes it understood that he is indebted for his information to the U. S. Engineer's official reports.

THE officers and members of the Canadian Electrical Association must be congratulated on the success of their convention last month at Ottawa. While the Ottawa convention was not equal to that of last year held in Montreal in point of numbers, it was quite equal in the character of the papers read, and certainly ahead of any previous convention in the business-like smoothness and completeness with which the programme was carried out. It savored of the silent, yet rapid, work of electrical men, and the local committee did themselves infinite credit. There was no hitch from beginning to end, and the visitors went away with the impression that it will be hard for any city to beat the Ottawa electrical men in handling a convention.

WE are indebted to Topley Bros., photographers, Ottawa, for one of the best samples we have seen of the photographic reproduction of a stroke of lightning. Mr. W. J. Topley placed a camera in position during the progress of a thunderstorm which passed over Ottawa about nine o'clock on the evening of Sept. 11th, and the result is reproduced herewith, from the photo, showing the Dominion Methodist Church in the foreground. The vivid flash here shown happened to be of a violet hue, and violet being the most actinic (that is, the most capable of impressing the sensitive plate) of all the colors of the spectrum, the effect was unusually good. Had the bolt shown a yellowish,



orange or reddish tint, as usually happens, the plate might have been only faintly, if at all, impressed. Of the hundreds who have called on Mr. Topley, to see and enquire about this photograph, nine out of ten are under the impression that he took it by watching for the favorable time and getting a "snap-shot" the moment the flash appears in the sky. Lightning is not photographed this way, however, for all the photographer has to do is to open the cap while the sky is black and the bolt of light photographs itself. The tint of the lightning will determine whether the photograph is likely to be good.

THE plant of the Canada Cutlery Co., of St. Henri, Que., has been purchased by the Ontario Silver Plate Co., of Humberstone, Ont.

THE Fredericton, N.B., Board of Trade were addressed, at a recent meeting, by F. Schilde, a German expert in the manufacture of pulp. Mr. Schilde pointed out the special advantages Fredericton possessed for the establishment of a pulp industry. A company will probably be formed.



C. R. POWELL, VICE-PRESIDENT CAN. ELECTRICAL ASSOCIATION.

C. BERKELEY POWELL was born at Port Dover, Ontario, August 19th, 1858; was educated at McGill University, and served his apprenticeship to the mechanic's trade in the shops of the Grand Trunk Railway at Point St. Charles. In 1882 he was appointed mechanical superintendent of the California Southern Railway, and two years later accepted a better position on the Old Colony Railway, with headquarters at Boston. In 1886 he resigned his position on the Old Colony Railway to go into partnership in the lumber firm of Perley & Pattee, who have sawmills at Ottawa. In 1891 he organized the Standard Electric Company of Ottawa, and was the general manager of this prosperous company until it amalgamated with the Ottawa Electric Company. At present Mr. Powell is a member of the firm of Perley & Pattee, is president of the Eclipse Office Furniture Company of Ottawa; is a director of the Ottawa Electric Company, and a director of the Upper Ottawa Improvement Company.

Personal

W. J. SUTTON, the well-known Winnipeg geologist, has been appointed assistant professor of mineralogy, petrography and geology at the Michigan school of mines, Houghton, Mich.

W. NICOL, Professor of Mineralogy in Queen's University, Kingston, has just returned from an exploration trip in the region north of Kingston. The professor has secured some excellent mineral specimens for the University.

PROF. GALBRAITH, principal of the school of Practical Science at Toronto, has been elected secretary of the Mechanical Science and Engineering section of the Springfield, Mass., Association for the Advancement of Science.

ST. JOHN, N.B., papers announce the sudden death in that city last month of William Campbell, from cholera morbus. The deceased was 60 years old and was a prominent manufacturer, having worked at the edge tool business for the past forty years. He served his time with W. Broad, and was for a number of years a member of the well known firm of Campbell & Fowler. He retired from this firm in 1879, and in 1880 he built and started for himself on Smythe street. In 1890 his sons took charge of the business and have been carrying it on up to the present under the name of Campbell Bros., with their father as superintendent. Mr. Campbell was well respected by all who knew him. Deceased leaves a wife, three sons and two daughters.

ALL members of the Canadian Association of Stationary Engineers will be very sorry to hear that Duncan Robertson, the newly re-elected treasurer of the association, was stricken with paralysis at the Windsor Hotel, Ottawa, where he now lies. He had remained at Ottawa to do some business, and on the morning of the 3rd was found in his room with one side paralyzed from head to foot, and unable to speak a word. A friend left him the previous evening in the best spirits. Mr. Robertson is much respected by all the engineers in and out of the association. Since the above was written he has been removed to his home, and we are glad to hear he is now recovering. He had only recently started in business for himself in Hamilton in engineers' specialties.

ENGINEERS are going over the route surveyed by the Canadian Pacific Railway for a branch line from Lachino bridge westward. This is regarded as a bluff to compel the Grand Trunk to sell its road between Valleyfield and Beauharnois.