secretary of the Joint Committee of Technical Organizations, Ontario Branch, Excelsior Life Building, Toronto, and will be acknowledged promptly.

The annual meeting will be held in the Chemistry and Mining Building, Toronto University, Toronto, the evening of March 30th, and will be addressed by Mr. John Murphy, chief electrical engineer of the Department of Railways and Canals; Mr. Matheson, late of Colorado but now chief engineer of the British American Nickel Corporation, and others. All engineers, whether members of any society or not, will be privileged to attend this meeting.

PRELIMINARY STATEMENT OF THE MINERAL PRODUCTION IN THE PROVINCE OF QUEBEC FOR 1916.

The first compilation of the mineral production of the province of Quebec during 1916 shows a total value of $13,070,566. As compared with the previous year, $11,465,873, this is an increase of $1,604,693, or 14%.

The mineral production is roughly divided into "products of the mine" and "building materials," and analysis of figures shows that the increase is wholly attributable to the former, which show an increase of 52.8%, whereas the building materials have decreased 18.5%. In 1915 the figures were: Produce of the mines, $5,223,639, or 46%; building materials, $6,242,234, or 54%. In 1916, produce of the mines, $7,982,430, or 61%; building materials, $5,088,136, or 39%.

This advance is very gratifying, especially when it is taken into consideration that the building materials, comprising limestone, granite, cement, lime, brick and other clay products represent a large proportion of the mineral production of the province.

The following table presents the total figures of the mineral production of the province for each year for the last 17 years:—

Year.	Value.	Year.	Value.
1900	$ 2,546,076	1909	$ 5,552,062
1901	2,997,731	1910	7,323,281
1902	2,985,463	1911	8,679,786
1903	2,772,762	1912	11,187,110
1904	3,023,568	1913	13,119,811
1905	3,750,300	1914	11,732,783
1906	5,019,932	1915	11,465,873
1907	5,391,368	1916	13,070,566
1908	5,458,998		

ANNUAL DINNER OF ENGINEERS' CLUB OF TORONTO.

The annual club dinner of the Engineers' Club of Toronto will be held Friday, March 23rd. The result of the balloting in connection with new club quarters will be announced. A musical programme has been provided and a large attendance of members is earnestly requested.

ENGINEERS' CLUB, PETERBOROUGH.

A well-attended dinner, given by the civil, mechanical and electrical engineers who are interested in forming an Engineers' Club, was held recently at the Oriental Hotel, Peterborough, Ont. The officers elected were: President, C. E. Canfield; secretary, G. R. Langley.

PERSONAL.

ARTHUR J. SMITH, building contractor, Brandon, Man., has enlisted for active service.

W. F. TYE, M.Can.Soc.C.E., of Montreal, has been engaged by the Hamilton city council to prepare a report on a common entrance for all railways into Hamilton.

A. E. FOREMAN, A.M.Can.Soc.C.E., formerly assistant city engineer of Victoria, B.C., has been appointed chief engineer of the department of public works of British Columbia.

ANSON J. HOPKINS, who has been with the Canadian Fairbanks-Morse Co., Limited, in Vancouver, was recently appointed general head of the accessory department of that company, and is now organizing the work of this department in the firm's eleven branches.

HENRY W. FISHER, chief electrical engineer, Standard Underground Cable Co., Perth Amboy, N.J., gave an illustrated address on March 16th before the Toronto Section of the American Institute of Electrical Engineers on "Underground Cables: Their Manufacture and Use Under Modern Practice."

R. O. WYNNE-ROBERTS, M.Can.Soc.C.E., Toronto, has become associated with Mr. Frank Barber in connection with the York Township water scheme and other works, and will conduct his practice as consulting engineer at 57 Adelaide Street East, Toronto, until the end of this month, when new premises will be taken.

OBITUARY.

GEORGE FOREST McKAY, of New Glasgow, N.S., who assisted in the founding of the Nova Scotia Steel & Coal Co., and who was the oldest director of the company, died on March 13th at the age of 82 years.

Lieutenant C. R. NEEDS, A.M.Can.Soc.C.E., civil engineer of the Canadian Aviation Corps, was killed in an aeroplane accident in England, February 27th. Lieut. Needs was resident engineer of the C.N.R. until the outbreak of war, when he went to Galt as chief inspector of the munitions plants there for the Canadian Inspection Co.

During the fiscal year ending June 30th, 1916, the city of Detroit laid 259,671 lin. ft., or 49.18 miles, of water mains.

The total expense for operating and maintenance of the water softening and purification works of the city of Columbus, O., for 1916 was $199,299, of which $24,902 was for labor and supervision, $168,346 for chemicals and $6,051 for general supplies. The cost of purification per 1,000,000 gal. delivered to consumers was $27.75.

According to a recent issue of a Buenos Aires paper, new steel works have been established at Santiago, utilizing the scrap iron which was previously exported to Europe. This new enterprise owes its existence to the high price of steel. Much difficulty was experienced at first in obtaining skilled workmen, but the situation was saved by the employment of Spaniards from Bilbao. It was necessary to set up a special plant for the manufacture of the machinery required, which is of European type. Chilean coal is used as fuel. The products of the new steel plant include merchant bars, sheets, angles, bars for reinforced concrete, nails, horseshoes, tires, etc. The price of Chilean steel is 20 per cent. less than that of the imported article. The quality may be considered as medium. The output of the new works is disposed of without any difficulty.