

PERSONAL.

E. DUNCAN, chief engineer of the Glengarry and Stormont Railway Company, is sailing shortly for Europe.

J. G. SULLIVAN, chief engineer of western lines for the C.P.R., has been elected second vice-president of the American Railway Engineering Association.

C. D. McARTHUR, chief engineer at Halifax for Foley Bros., Welch, Stewart and Fauquier, gave an illustrated address before the Nova Scotia Engineering Society last week. His subject was "The Use of Steel Forms for Concrete."

OBITUARY.

On April 2nd Mr. Chas. Balmer, electrical engineer for the Chatham, Wallaceburg and Lake Erie Railway, was electrocuted by coming into contact with a 240-volt wire.

In the list of war casualties the name appears of J. H. Rosber, a lance-corporal in the Princess Patricia's. Prior to his enlistment, the deceased had been in the employ of the Canadian Pacific Railway, and was for five years connected with the company's engineering staff on the Bassano dam.

The death has been announced of Frederick Winslow Taylor, originator of the modern scientific management movement and the author of a number of technical books and articles, among the best known being "The Principles of Scientific Management," and "Shop Management," both published in 1911. Mr. Taylor was also an inventor of considerable ability. Among his numerous inventions was the Taylor-White process of treating modern high-speed tools for which he received a personal gold medal from the Paris Exposition in 1900 and the Elliott Cresson medal of the Franklin Institute. The deceased was a member of the American Society of Mechanical Engineers, and served as its president in 1905 and 1906.

OIL REFINERY AT IOCO, B.C.

A new oil refinery was recently placed in operation by the Imperial Oil Co., at Ioco, B.C. It has a capacity of 35,000 gallons per day, and its construction involved an expenditure of \$1,250,000, including a dock 700 ft. in length on Burrard Inlet. It is the complement of the company's refinery in operation at Sarnia, Ont.

Some interesting features attend the new plant, chief among which is the arrangement for unloading oil. The crude oil comes by steamer from Peru and is pumped through a 12-inch pipe line for about $\frac{5}{8}$ of a mile to the storage tanks, by two electrically driven pumps with a capacity of 25,000 Imperial gallons per minute. One of the oil tanks has a capacity of $2\frac{1}{2}$ million Imperial gallons, the largest in Canada. Others have $1\frac{1}{2}$ million gallons capacity.

In refining, the oil is pumped from the storage tanks to a battery of stills each with a capacity of 45,000 gallons. The various grades derived therefrom are run into agitators with a capacity of 60,000 gallons. After this the oil is stored ready for shipment.

The power equipment includes three 200-h.p. return tubular boilers. Special fire fighting apparatus has been

installed, including an electrically driven centrifugal and a duplex steam pump. Two other electrically driven centrifugal pumps furnish fresh water for the refinery through a pipe line over a mile in length. All refining apparatus is electrically driven.

HYDRO-RADIAL UNION OF ONTARIO.

The officers of this organization, at present vigorously advancing the cause of hydro-electric radial lines throughout the province, are as follows: Honorary president, Sir Adam Beck; honorary vice-presidents, Hon. I. B. Lucas and Mr. W. K. McNaught; president, Mr. J. W. Lyon, Guelph; vice-presidents, Mayor Church, Toronto; ex-Mayor Graham, London; Mr. A. F. Wilson, Markham, and Mayor Butler, Peterborough. District presidents: ex-Mayor Evans, Prescott; T. F. Mathews, Peterborough; J. H. Downey, Whitby; Controller J. O'Neill, Toronto; Peter Rae, East Flamboro; J. B. Ryan, Guelph; W. B. Johnston, St. Thomas; Mayor Clay, Windsor; R. Stirrett, Petrolia; D. M. McLaughlin, Stratford; W. C. Bush, St. Catharines; and R. Lush, Clarkson's.

ONTARIO GOOD ROADS ASSOCIATION.

The newly elected officers of this association are as follows: Honorary presidents, N. Vermilyea, Belleville, and J. A. Sanderson, Oxford Station; president, S. L. Squire, Waterford; first vice-president, K. W. McKay, St. Thomas; second vice-president, C. R. Wheelock, Orangeville; secretary-treasurer, George H. Henry, Todmorden; directors, Messrs. W. H. Pugsley, J. J. Parsons, T. L. Kennedy, S. E. Allan, F. A. Senecal and David Clow.

COMING MEETINGS.

TORONTO ELECTRICAL SHOW.—The second annual exhibition, to be held in the Arena, Toronto, April 12th to 17th. Secretary, Mr. E. M. Wilcox, 62 Temperance Street, Toronto.

AMERICAN WATERWORKS ASSOCIATION.—The 35th annual convention, to be held in Cincinnati, Ohio, May 10th to 14th, 1915. Secretary, J. M. Diven, 47 State Street, Troy, N.Y.

SOCIETY FOR THE PROMOTION OF ENGINEERING EDUCATION.—Annual meeting to be held at the Iowa State College, Ames, Iowa, June 22nd to 25th, 1915. Secretary, F. L. Bishop, University of Pittsburgh, Pittsburgh, Pa.

AMERICAN FORESTRY ASSOCIATION.—Special meeting to be held on October 20th at the Panama-Pacific International Exposition, San Francisco, Cal. Secretary, P. S. Ridsdale, Washington, D.C.

St. John, N.B., has decided to adopt a town planning scheme. A plan has been prepared, including almost all the suburban lands for a radius of three miles outside the city, and the legislature will shortly be asked to give its approval.