

ENGINEERING INSTITUTE ELECTIONS

AT a meeting of the Engineering Institute of Canada held April 20th in Montreal, the following elections and transfers were announced:—

Members.—R. N. Blackburn, Regina; J. O. Boving, London, Eng.; W. L. Dethloff, Coniston, Ont.; W. P. Dobson, Toronto; R. T. Gent, Niagara Falls; H. V. Haight, Sherbrooke; J. D. Hathaway, Westmount; G. P. Hawley, Cedars, Que.; W. G. Hewson, Toronto; T. D. LeMay, Toronto; Maj.-Gen. W. B. Lindsay, Strathroy, Ont.; Wills MacLachlan, Toronto; L. D. Magie, Peterboro; James McEvoy, Toronto; G. E. Newill, Montreal; G. W. Rayner, Toronto; H. M. Scott, Montreal; P. F. Sise, Montreal.

Associate Members.—N. T. Binks, Montreal; W. M. Cruthers, Peterboro; F. L. Darrell, Kenogami, Que.; A. L. Dickieson, Peterboro; D. A. Duffy, St. John, N.B.; K. A. Dunphy, Souris, Man.; R. H. Findlay, Westmount; V. S. Foster, Peterboro; L. F. Fyles, Calgary; A. MacD. Grant, Ottawa; R. L. Hearn, Toronto; V. J. Hvidt, Princeton, B.C.; C. J. Jeffery, Armstrong, B.C.; Lieut. F. B. James, Walkerton, Ont.; B. F. Lamson, St. Catharines; C. J. LeBlanc, Montreal; W. S. Lockhart, Montreal; W. MacK. MacAndrew, Vancouver; J. P. Mackenzie, Vancouver; M. S. Madden, Keewatin, Ont.; W. F. McKnight, Montreal; Robert Morham, Toronto; Lieut. R. R. Murray, Halifax; Capt. B. T. O'Grady, Nelson, B.C.; F. O. Orr, Alfred, Ont.; G. H. Patterson, Quebec; H. C. F. Poste, Cornwall; William Ramsay, Nelson, B.C.; J. I. Richardson, Quebec; Major G. L. Ridout, Toronto; H. S. Rimmington, Winnipeg; Capt. F. A. Ritchie, Sault Ste. Marie; A. R. Robertson, Toronto; S. G. Smith, Toronto; R. D. Sutherland, Montreal; F. E. Umphrey, Winnipeg; James Veitch, Winnipeg; W. C. Way, Ottawa; H. M. White, Winnipeg; J. M. F. Wilson, Winnipeg; John Young, Winnipeg; Francis Hankin, Montreal.

Juniors.—Pierre Danais, Baie Saint Paul, Que.; Major N. H. Daniel, Toronto; D. C. M. Davies, Regina; R. C. Eastman, Capreol, Ont.; J. W. D. Farrell, Regina, Sask.; H. E. Miller, Charlottetown, P.E.I.; V. C. Moulton, Westmount; Lieut. Alexander Pirie, Vancouver; J. R. Ross, Winnipeg; J. H. Russell, Peterboro; Capt. W. J. Rutherford, Westmount; Lieut. A. B. Rutherford, Westmount; Lieut. W. B. Scott, Montreal; N. H. F. Smith, Ottawa; A. R. Whit-
tier, Ottawa; E. P. Wilson, Montreal; J. K. Wilson, Montreal.

Transferred, Associate Members to Members.—Major W. E. Davis, Winnipeg; Major E. P. Fetherstonhaugh, Winnipeg; Lieut. J. D. McDeath, Moncton, N.B.; P. H. Mitchell, Toronto; Major W. H. Munro, London, Eng.; J. J. Newman, Windsor, Ont.; Joseph Rocchetti, Winnipeg; J. S. Tempest, Ottawa.

Transferred, Junior to Member.—Lt.-Col. J. C. Brown, Constantinople, Turkey.

Transferred, Juniors to Associate Members.—Garnet Affleck, Winnipeg; W. W. Dynes, Winnipeg; Major Erskine Duncan, Galt; Capt. L. I. Easton, Winnipeg; H. F. J. Estrup, Welland; H. P. Heywood, Toronto; Capt. K. R. MacKinnon, Omaha, Neb.; K. W. Morton, New Westminster, B.C.; W. H. Norrish, Ottawa; Major G. R. Turner, Fredericton, N.B.; Capt. C. S. Walley, Winnipeg.

Transferred, Students to Associate Members.—Capt. Yves Lamontagne, Montreal; Major H. R. Urie, Winnipeg.

Transferred, Students to Juniors.—A. M. Alberga, Montreal; L. F. Barnes, Hamilton; W. S. Collins, Winnipeg; W. W. Crough, Selkirk, Man.; L. A. Dubreuil, St. Placide, Que.; Lieut. J. C. Irving, Winnipeg; Hector MacNeil, Montreal; Lieut. F. C. Rounthwaite, Montreal.

Work on the Welland Ship Canal was resumed on a small scale last Thursday morning, when dredging on Section 5 recommenced. The Dominion Dredging Co.'s fleet is being prepared for work in the harbor at Port Weller, Section 1, and other work on that section may soon be resumed. Work on Sections 2 and 3 may be hampered by power shortage; also there may be labor troubles, as these are the two sections in which strikes were declared last fall shortly before the work was shut down by the Dominion government.

NOVA SCOTIA BILL PASSED

BOTH houses of the Nova Scotia legislature have passed the bill incorporating the "Association of Professional Engineers of the Province of Nova Scotia," and it now requires only the formality of the lieutenant-governor's signature for the bill to take its place upon the statute books of the province. Nova Scotia is the sixth province to pass legislation dealing with the registration and licensing of engineers, as similar bills were recently adopted by the legislatures of British Columbia, Alberta, Manitoba, Quebec and New Brunswick. Saskatchewan, Ontario and Prince Edward Island are the only provinces that have not yet adopted such legislation. No bill has been introduced in Ontario or Prince Edward Island. In Saskatchewan a bill was prepared, but upon advice of the provincial premier, who requested a number of changes, it was withdrawn but will most likely be introduced next fall. On account of the comparatively few engineers in Prince Edward Island, there has been no concerted action towards legislation in that province. In Ontario a joint committee of two members from each of seven technical organizations is at work drafting a bill which it is hoped will meet with the approval of all engineers in that province.

EXTENSOMETER TESTS OF CONCRETE BEAMS

AT the last spring meeting of the Toronto branch of the Engineering Institute of Canada, held last Thursday evening in the Mining Building of the University of Toronto, Prof. W. A. Slater, engineer-physicist of the U.S. Bureau of Standards, delivered a lecture on "The Extensometer Tests of Reinforced Concrete Beams for the Emergency Fleet Corporation." These tests were made by the Structural Research Unit, Concrete Ship Section, Emergency Fleet Corporation, and Prof. Slater and A. R. Lord were jointly in charge of the work of that unit.

The meeting was well attended, and great interest was shown in Prof. Slater's remarks and in his slides and moving pictures. His lecture was divided into four parts: (1) General discussion, (2) slides and diagrams, (3) moving pictures of the tests, and (4) mathematical demonstration.

The lecture was followed by considerable discussion, during the course of which Prof. Slater stated, in reply to a question, that all of the slides, diagrams and data given by him in the lecture would soon be published in a technological paper that will be issued by the Bureau of Standards, and that a very great deal of the data will also be contained in a paper which he is presenting to the American Society of Civil Engineers.

Prof. Slater was formerly first assistant to Prof. A. N. Talbot in the Engineering Experiment Station of the University of Illinois. When the United States entered the war, his services were secured by the Emergency Fleet Corporation. In 1919 he took charge of the reinforced concrete research work conducted by the Bureau of Standards. He has presented a number of important papers to various societies in the United States, and is a member of several concrete committees.

Prof. Slater's lecture terminates a most successful season for the Toronto branch of the Engineering Institute. Under the able leadership of this year's chairman, R. O. Wynne-Roberts, the branch has shown more active interest in its weekly meetings than has been the case for many years past. There has been a meeting every Thursday evening throughout the winter and spring, and it is to be noted that the program as arranged last fall was carried out without any deviation, as every speaker kept his appointment.

The Hydro-Electric Power Commission of Ontario has completed the High Falls plant on the Mississippi River, 22 miles northwest of Perth, Ont. The formal opening of the plant took place last week, Sir Adam Beck officiating. The plant consists of three 1,200 h.p. units of the double-runner, horizontal type.