

Göteborg University, Sweden. He came to Canada in 1881 and joined the Credit Valley railroad as assistant engineer. Two years later that railroad was taken over by the C.P.R., and Mr. Hertzberg soon became division engineer at Toronto, and was later promoted to the rank of district engineer. He was vice-consul at Toronto for Norway and Sweden from 1894 until 1905. Mr. Hertzberg became a member of the Canadian Society of Civil Engineers in 1888. He has three sons, all of whom are engineers: Col. H. F. H. Hertzberg, commandant of the Canadian Engineers at Halifax, N.S.; C. S. L. Hertzberg, consulting engineer, Toronto; and O. P. Hertzberg, resident engineer, C.P.R.

ANDREW H. HARKNESS, consulting engineer, Toronto, who has just announced the formation of a new partnership, Harkness, Loudon & Hertzberg, was born in 1873 in Dundas county, Ontario, and was educated at the Iroquois high school and S.P.S., University of Toronto, from which he graduated with honors in 1895. He obtained the degree of B.A.Sc. in



1897 and returned to S.P.S. in the fall of 1898 as a fellow in civil engineering, which appointment he retained for four years. The vacations during his university course and while a fellow at S.P.S., and also the intervening years, were spent mostly in architects' offices and partly on municipal drainage work. In the fall of 1902 Mr. Harkness entered the bridge department of the Canada Foundry Co., Toronto, and during the next seven years served at various times as draftsman, checker, designer and assistant structural

engineer on bridge and building design. In the summer of 1909 he was engaged as engineer of erection of the St. Andrews movable dam, near Winnipeg, and in June, 1910, he entered private practice in Toronto, confining his work almost exclusively to architectural engineering. He entered into partnership with J. M. Oxley in 1911, which continued until June, 1915, when Mr. Oxley went overseas. Mr. Harkness' practice, however, was carried on under the firm name of Harkness & Oxley until April, 1919. Among the many structures on which Mr. Harkness was retained as consulting engineer to the architect, are the following: C.P.R., Dominion Bank, Williams' Piano, Excelsior Life and Methodist Book Room buildings, Toronto; Confederation Life and Bank of Commerce buildings, Winnipeg; and the new parliament buildings and power house, Ottawa. He has also been consulting engineer for the design of many industrial plants, including the John Inglis Co.'s boiler and machine shops, Toronto; garage for the Automobile Supply Co., Toronto; Hamilton Gear & Machine Co., Toronto; the Woods Mfg. Co., Toronto; and the Herbert Morris Crane & Hoist Co., Niagara Falls, Ont. Mr. Harkness is a member of the Engineering Institute of Canada and of the American Society of Civil Engineers. For the past year he has been chairman of the Toronto branch of the Engineering Institute.

ALLAN LATORNELL, assistant engineer of sewers, department of works, city of Toronto, has been appointed engineer in charge of that section, succeeding W. R. Worthington, who recently resigned to enter private practice. Mr. Latornell graduated in civil engineering at S.P.S., University of Toronto, with the class of 1905. For a year after graduation he was engaged in municipal work in the counties of Grey and Simcoe, Ont., but in 1907 he joined the staff of the

Toronto sewer section and has since occupied various positions of responsibility therein.

F. G. ENGHOLM, of the firm of F. G. Engholm & Partners, Ltd., Toronto, representatives in Canada of the Hennebique system of reinforced concrete construction, will deliver a lecture on reinforced concrete this evening (January 8th) before the Toronto branch of the Engineering Institute of Canada.

LIEUT.-COL. BLAIR RIPLEY, D.S.O., has been appointed engineer of the Ontario District, Canadian Pacific Railway, with headquarters at Toronto, succeeding Mr. Hertzberg, who has retired. Before the war, Col. Ripley was engineer of grade separation for the C.P.R. He was O.C. of the 1st Battalion, Canadian Railway Troops.

A. E. FOREMAN, public works engineer for the British Columbia government, gave an address on "Organization and Work of the Public Works Department" at the annual meeting of the Victoria branch of the Engineering Institute of Canada. He stated that the province has been divided into eight districts, with a qualified engineer in charge of each district, and that good results are forthcoming.

T. A. BARNETT, one of the superintendents in the construction department of the Hydro-Electric Power Commission of Ontario, has resigned in order to accept appointment as general superintendent for Morrow & Beatty, Ltd., contractors, on the proposed extensions to the hydro-electric development and pulp mill at Iroquois Falls, Ont., for the Abitibi Power and Paper Co., Ltd.

SIR WILLIAM HEARST, until recently premier of Ontario, has been appointed by the Dominion government as a member of the International Joint Commission, succeeding P. B. Mignault, who resigned several months ago when he was elevated to the bench. The other Canadian members of the commission are C. A. Magrath, Ottawa, who is chairman of the Canadian section of the commission, and H. A. Powell, St. John, N.B.

MARCEL PEQUEGNAT, formerly assistant city engineer of Kitchener, Ont., has been appointed to succeed Henry Hymmen as superintendent of water works of that city. Mr. Pequegnat designed the plans for the Bridgeport development, and has been in close touch with the water works commission as an advising engineer. He was for several years a demonstrator in the Faculty of Applied Science, University of Toronto.

A. W. HADDON, formerly city engineer of Edmonton, has been elected one of three city commissioners of that city and will probably be in charge of the works department. Mr. Haddon joined the Edmonton city engineer's department in 1909 as assistant to the late A. J. Latornell. He became acting city engineer in July, 1915. Early last year he accepted a lectureship in engineering at the University of Saskatchewan, but resigned in May to accept appointment as city engineer.

MAJ. ALEX C. LEWIS, who before going overseas was secretary of the Toronto Harbor Commission, has been appointed secretary-treasurer of the Canadian Deep Waterways and Power Association, and will establish an office in Windsor, Ont. Mr. Lewis will at first undertake the collection of all available information bearing upon the completion of the Welland canal and the canalization of the St. Lawrence river, and will submit the data to various municipal councils and boards of trade throughout Ontario in order to obtain their co-operation and influence in securing more speedy action by the Dominion government.

RAY R. KNIGHT has been appointed Toronto manager and engineering representative for Francis Hankin & Co., Ltd., Montreal. Mr. Knight's office will be at 609 Temple Bldg., Toronto. Mr. Knight came to Canada from England in 1911 and was designing engineer in the sewer section, department of works, city of Toronto, until February, 1913, when he became city engineer of Fort William, Ont., which position he held until December, 1916, when he obtained a commission in the Canadian Engineers. Mr. Knight was retained at the engineering training depot, St. Johns, Que., as an instructor, and was promoted to the rank of captain. For the past fourteen months he has been chief engineer for the Canadian Incinerator & Furnace Co., Ltd., Toronto.