

PERSONALS

DR. J. A. L. WADDELL, consulting engineer, Kansas City, Mo., has been elected a corresponding member of the Academy of Science, France. Since the Academy was founded in 1795, only eighteen corresponding members have been chosen from the United States, Dr. Waddell making the nineteenth. Of those eighteen, three are still living; viz., Drs. Pickering and Hale, astronomers, and Dr. Davis, geographer.

MAJOR F. L. C. BOND, who was recently appointed chief engineer of the Grand Trunk Railway System, was born in Montreal in 1877 and educated at the Montreal High School,



the Collegiate Institute and McGill University. After graduating from McGill in 1898, he became resident engineer of the Eastern Division, G.T.R., and in 1901 was appointed engineer in charge of double track construction. The following year he was superintendent on the construction of the Park Avenue tunnel of the New York Subway, but returned to the Grand Trunk as resident engineer, Eastern Division, being promoted in 1913 to division engineer of Eastern Lines. In 1916 he

went overseas with the 10th Battalion, Canadian Railway Troops, and he has just returned from France. Major Bond succeeds H. R. Safford, who resigned last summer to accept an appointment as engineering assistant to the Regional Director of the Central Western District, United States Railroad Administration.

G. I. DAVIDSON, who has been with the Canadian General Electric Company, Ltd., for the past eighteen years, has been appointed manager of the publicity department of that company.

GORDON F. PERRY, who has been general manager of the National Iron Corporation since the incorporation of that company, has succeeded the late Cawthra Mulock as president of the firm.

E. F. SEIXAS, who for the past nineteen years has been general manager of the Niagara, St. Catharines & Toronto Railway, has been appointed general manager of the Monterey Railway, Light, Heat & Power Co., at Monterey, Mexico.

V. I. SMART, formerly Professor of Railway Engineering and Transportation, McGill University, and J. A. BURNETT, formerly electrical engineer, Grand Trunk Railway System, are now associated as consulting engineers, with offices in the New Birks Building, Montreal.

OBITUARIES

JOSEPH BOURQUE, of Hull, P.Q., contractor, died recently at the age of 53. Mr. Bourque was born in L'Assomption, P.Q. He served a term as mayor of Hull. Among the buildings which he erected was the Central Post Office, Montreal.

WILLIAM J. GALBRAITH, formerly of the contracting firm of Galbraith and Cate, Montreal, died recently of pneumonia at his home in Montreal, at the age of 32. Mr. Galbraith graduated from McGill University in 1909 and the following year was assistant engineer for M. P. and J. T. Davis on

caisson work for the Quebec Bridge. In 1912 he organized his own contracting firm but after the outbreak of war he joined the staff of the Foundation Co. as superintendent of construction in various shipyards in the United States. Latterly Mr. Galbraith was engaged in the valuation of a shipyard for the Dominion government.

EDMUND BURKE, senior partner of Burke, Horwood & White, architects, Toronto, died this week of pneumonia at the age of 68. Mr. Burke was for many years a councillor of the Association of Architects, and in 1910 vice-president of the Royal Institute of Canadian Architects. He was a past-president of the Engineers' Club of Toronto, and was architect for a great many of Toronto's most prominent churches and industrial buildings, including the Robert Simpson Store, Y.M.C.A., Meteorological Building, Methodist Book Room, McMaster University and the Metropolitan Church. Mr. Burke was born in Toronto in 1850 and was the son of a prominent contractor.

HARRY GODFRED SIDENIUS, assistant to the chief engineer of the C.P.R. Natural Resources Department, Calgary, Alta., died last November at the age of 37. He was educated at the Technical School at Copenhagen, Denmark, although he was born in New York City. Between 1904 and 1907 he was assistant to William Ingham, chief engineer of design and construction of the waterworks system at Port Elizabeth, South Africa. He came to Canada in 1907 and the following year was engaged with Smith, Kerry & Chace on the Winnipeg power projects. From 1909 to 1913 he was in the Natural Resources Department of the C.P.R., chiefly as resident engineer of construction at the Bassano Dam, on the Bow River, Alta., one of the most noted structures of its type. During 1914-5 he was engaged as assistant to the city engineer of Calgary, chiefly in connection with studies of the city's water supply. Throughout 1916 and part of 1917 he was attached to the 4th Field Troop, Canadian Engineers, with the rank of captain, as instructor at Sarcee Camp, Calgary. For eighteen months previous to his death he was again with the C.P.R. Natural Resources Department. Mr. Sidenius was a member of the American Society of Civil Engineers and of the Engineering Institute of Canada.

BIG EDDY CONSERVATION DAM

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Width of house over regulating valves	20	ft.
Height of racks for sluice openings	25	"
Width of racks for sluice openings	8	"
Length of racks for penstock openings	32	"
Length of steel guides for sluice gates at openings to regulating valve openings	98½	"
Elevation of lowest part of stream bed before excavation	140.0	
Elevation of top of non-overflow sections	286.0	
Elevation of normal water level below dam	185.0	
Elevation of normal water level above dam	284.0	
Elevation of crest of overflow sections	276.0	
Elevation of crest of opening to log slide	268.0	
Elevation of crest of opening to trash run	262.0	
Elevation of invert of log slide at outlet end	192.5	
Elevation of top of operating platform in regulating valve house	194.5	
Elevation of inverts of three supply tubes to regulating valves on upstream face of dam	186.5	
Elevation of top of discharge draft tubes from regulating valves	184.05	

The Quebec Public Utilities Commission has appointed Messrs. Drinkwater, St. Marie and Gibeau as a special board of engineers to prepare a report which will supplement the plans submitted by the Provincial Board of Health for the intercepting sewer for the towns of Longueuil, Greenfield Park, Montreal South and St. Lambert. The report is to be submitted by March 1st. None of the municipalities oppose the scheme, but the difficulty is the apportionment of the cost.