

transferred to Medicine Hat to take charge of the construction work of the company's plant, No. 14, there.

A. N. PITCHER, who has been constructing engineer during the development period of the Canadian Coal and Coke Company in Alberta, has been appointed chief engineer. The head offices of the company are at present in Montreal, but they will be moved to the collieries near Lethbridge.

FRANCIS P. SMITH, M.Am.Soc.C.E., chemical and consulting paving engineer, New York City, on January 29th delivered before the graduate students in Highway Engineering at Columbia University, an illustrated lecture on "Plant, Highway and Laboratory Inspection of Bituminous Materials."

GEO. JANIN, City Engineer of Montreal, has been seriously ill for several weeks and shows little improvement. The Board of Control has relieved him of all responsible duties for a month. During the repair of the conduit break a month ago, Mr. Janin remained continuously in charge, and his physicians now attribute his present illness to over-exposure.

ARTHUR H. BLANCHARD, M.Am.Soc.C.E., Professor in Charge of the graduate course in Highway Engineering at Columbia University, on January 26, 1914, delivered illustrated lectures at the University of Illinois on the subjects:—"Bituminous Surfaces and Bituminous Pavements" and "Modern Developments in Highway Engineering in Europe."

DOUGLAS C. LIVINGSTON, B.Sc., a graduate in mining of McGill University, and for some years prominently connected with mining operations on Vancouver Island, has been appointed head of the mining engineering department of the University of Idaho. For the past three years he has been associate professor of mining. He succeeds Prof. R. S. McCaffery, who lately resigned to join the faculty of the University of Wisconsin.

H. N. RUTTAN, City Engineer of Winnipeg, addressed the University of Manitoba Engineering Society recently on "Advice to Young Engineers." Col. Ruttan dwelt first on the necessity for carefulness, accuracy and attention to detail, realizing from the first the sense of responsibility in all matters. He impressed the importance of loyalty, particularly to the chief of the staff. No engineering achievement is a one-man proposition, it requires the united efforts of the whole staff to bring it to a successful conclusion. The exercise of the faculties of observation to the fullest extent in connection with any project is necessary, and notes on all matters in relation to it are of great importance. The young engineer should not be content but should qualify for higher responsibilities. He must be well informed on all public matters of engineering interest, and be able to clearly present his views.

Recent appointments to positions in the Topographical Surveys Branch, Department of the Interior, Ottawa, include those of L. T. Venny, Brockville, Ont.; W. K. Thompson, Toronto; Alan Fraser, Toronto; L. S. Cockburn, Toronto; C. M. O'Neill, Erindale, Ont.; A. L. Morgan, Kingston; W. E. Lumb, Fort Stewart, Ont.; W. W. Doxsee, Peterborough, Ont.; H. J. Dunlap, Ottawa; and Jas. Hall, Edinburgh, Scotland. The first five mentioned are graduates in engineering of the University of Toronto.

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### OBITUARY.

THOS. M. McLEOD, C.E., of the firm of McLeod and Merrill, Toronto, and a graduate of McGill University, died recently of appendicitis. Mr. McLeod was a native of Georgetown, P.E.I. He had been connected with many extensive engineering contracts in Canada and the United States.

### MANITOBA LAND SURVEYORS.

The thirty-fourth annual meeting of the Association of Manitoba Land Surveyors was held in the Industrial Bureau Buildings, Winnipeg, on January 21 and 22. After a very interesting address from the retiring president, J. L. Doupe, chief surveyor of the Canadian Pacific Railway Company, the following papers were read and discussed:—

"Early Surveys and Land Administration in Manitoba," by William Pearce, of Calgary.

"How to Treat the Closing Error," by C. C. Chataway, of Winnipeg.

"Accuracy in Field Work," by A. C. Garner, chief surveyor of the land titles office, Regina.

"Special Surveys," by G. B. McColl, of Winnipeg.

"Right of Way Surveys," by F. A. Wilkin, Winnipeg, right-of-way surveyor for the Canadian Pacific Railway Company.

"Street Plans and their Control," by H. F. McDonald, of Winnipeg.

"Some Useful Diagrams in Computing Earthworks," by H. L. Vercoe, Winnipeg.

The following officers were elected for 1914:—C. C. Chataway, president; R. J. Jephson, vice-president; W. B. Young, secretary-treasurer; and G. A. Bayne, H. F. McDonald, R. C. McPhillips and R. H. Avent, as members of the executive council; and H. G. Beresford and H. A. Bayne, as auditors.

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### "THE ELECTRIFICATION OF STEAM RAILWAYS."

This was the subject of an illustrated address by Mr. N. W. Storer, of the Westinghouse Electric and Manufacturing Company, Pittsburg, delivered to the Toronto section of the American Institute of Electrical Engineers on January 30th.

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### LECTURE ON STEEL TUBE MANUFACTURE.

The University of Toronto Engineering Society will hold a special meeting in Convocation Hall this evening (February 5th), at 8 p.m., which will be addressed by Mr. F. N. Speller, B.A.Sc., a graduate in engineering of the University of Toronto. Mr. Speller is Metallurgical Engineer for the National Tube Company, Pittsburg, Pa., and will give a lecture on the manufacture of steel pipes and tubes. His talk will be illustrated by motion pictures showing the methods of manufacture. The Canadian Railway and Engineering Club will attend the meeting in a body.

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### COMING MEETINGS.

WESTERN ONTARIO CLAY PRODUCTS ASSOCIATION.—Convention to be held in Chatham, Ont., February 4 and 5, 1914.

AMERICAN CONCRETE INSTITUTE.—Tenth Annual Convention to be held in Chicago, February 16th to 20th, 1914. Secretary, E. E. Krauss, Harrison Building, Philadelphia, Pa.

NATIONAL CONFERENCE ON CONCRETE ROAD BUILDING.—Meeting will be held in Chicago, Ill., February 12th to 14th, 1914. Secretary, J. P. Beck, 72 W. Adams Street, Chicago, Ill.

AMERICAN WATER WORKS ASSOCIATION.—Thirty-fourth Annual Meeting to be held in Philadelphia, Pa., May 11-15, 1914. Secretary, J. M. Deven, 47 Slate Street, Troy, N.Y.