

recommendations for the Ottawa conference. This was done, and after lunch reports were heard from Mr. Johnson, representing the supply section; Mr. Gander, of the sub-contractors; and Mr. Anglin, of the general contractors.

Mr. Johnson said that he could not speak for supply firms in general. He had been invited to the meeting by Mr. Anglin and attended to give any assistance he could in bettering the status of contractors, but he could speak only for his company and not for any supply organization. He did not know whether supply firms would wish to join the contractors' association or not, but he thought they had many interests in common. The builders' supply dealers are already well organized locally throughout the country but have no provincial or national association. Did the meeting desire supply men in their association?

Restrict Membership to Exchanges

That question caused a brief discussion, from which it developed that the majority favored a broad association that would take in supply men, sub-contractors and general contractors, but which would have by-laws so drawn that the three would be in separate sections and would meet independently to discuss their own problems, with occasional joint meetings to discuss problems of mutual interest or to hear addresses of value to all three sections. Later, engineering and architectural sections might possibly also be formed should engineers and architects evidence a desire to share the meetings and experiences of the contractors.

Mr. Gander reported that the sub-contractors favor the restriction of membership in the national association to members of local Builders' Exchanges excepting in the case of members who reside in towns where there is no such exchange; that upon the award of a contract to a general contractor, the latter should immediately award the sub-contracts to the men whose bids he had used in making up the general tender; that a standard contract form be prepared which would be binding upon and acceptable to both parties; that supply men and labor unions should give a trade preference to recognized contractors.

Mr. Anglin reported the following resolution for the general contractors:—

Separate Section for General Contractors

"That we, the general contractors' section of the preliminary meeting of the building industries of Canada, recommend that a meeting of the contractors of Canada and allied interests be called to meet this Fall in Ottawa; and as there are at present organized departments of sub-contractors and supply concerns, we recommend to the Ottawa conference that an organization of general contractors be formed either as an affiliated body or as a department of the Builders' Exchanges."

Mr. Anglin reviewed the history of the General Contractors' Association formed in 1912 in Montreal, which was independent of the Montreal Builders' Exchange and which was not a success. He thought that any contractors' association, to be successful, must affiliate with the Builders' Exchanges. Mr. Anglin said that membership in the new association could be limited entirely to members of the local exchanges, as it is the intention to make those exchanges district centres. Contractors in Dundas, Ont., for example, should belong to the Hamilton Builders' Exchange.

Mr. Elgie then moved that the conference be held on the dates above mentioned. His motion was carried unanimously, after which the meeting adjourned.

ENGINEERING INSTITUTE OF CANADA ELECTIONS AND TRANSFERS

AT a meeting of the council of the Engineering Institute of Canada, held August 27th, 1918, in Montreal, the following elections and transfers were announced:—

AYER, KENNETH ROGER, of Ottawa, elected associate member. Mr. Ayer was born at Montreal in 1887. He received B.A. and B.Sc. degrees at McGill University. After serving as engineer with various companies, he became manager and engineer of the Superior Brick Co., Fort William, Ont. Since 1916 Mr. Ayer has been superintendent of the gauge laboratory, Imperial Ministry of Munitions, Ottawa.

CHAMBERS, CHARLES, of Calgary, elected member. Mr. Chambers was born in Richmond, Eng., in 1862. After graduating in an engineering course at the Royal Indian Engineering College, England, he entered the service of the Anglo-American Brush Electric Light Corporation, London. Later he became honorary assistant engineer to the Bombay Port Trust, India, where he was in responsible charge of construction at various times for several companies. He was for nine months director of the government observatory at Bombay, resigning to become first assistant engineer of the Government Central South African Railways. Mr. Chambers is at present inspecting engineer of the Irrigation Branch, Department of Interior, Ottawa.

ELLIS, JOSEPH CHASE, of Halifax, elected junior member. He was born at Selmo, N.S., and received a B.Sc. degree this year at the Nova Scotia Technical College. For two summers Mr. Ellis was with the Geological Survey, and has recently been in charge of a stadia party.

FAULKNER, FREDERICK RICHARDSON, of Halifax, elected member. Mr. Faulkner was born at Truro, N.S., in 1878 and was educated at Acadia University and at the Massachusetts Institute of Technology. After serving for one year as instructor at the Massachusetts Institute, he became assistant engineer of the Bangor & Aroostook R'y; and six months later, resident engineer of the Kettle Valley R'y, in British Columbia. Mr. Faulkner is at present professor of civil engineering at the Nova Scotia Technical College.

GROVE, HUMPHREY SHAKESPEARE, of Lachine, transferred from junior to associate member. Mr. Grove was born at Battersea, Eng., and graduated in science at McGill University in 1909. He was formerly on the drafting staff of the St. Lawrence Bridge and is at present plant manager for the Dominion Bridge Co.

IRELAND, WILLIAM JAMES, of Winnipeg, elected associate member. Mr. Ireland was born at Stratford, Ont., and educated at the Collegiate Institute and by private tuition in advanced mathematics. After serving as apprentice to D. G. Baxter, of Stratford, he became assistant to the city engineer. In 1901 he became chief draughtsman and outside superintendent for Pollmar & Ropes, structural engineers, Detroit, and ten years later was appointed vice-president and manager of the E. B. Reece Engineering Co., Winnipeg. Mr. Ireland is at present assistant chief engineer of the Manitoba Hydrometric Survey, Water Power Branch, Department of the Interior.

MACNAB, IRA PERCY, of Halifax, elected associate member. Mr. Macnab was born at Malogash, N.S., in 1884, and after attending the Nova Scotia Technical College, served four years' apprenticeship in a machine shop. Then he was appointed manager of the Truro

(Continued on page 231)