AMERICAN SOCIETY FOR TESTING MATERIALS.

The 18th annual meeting of the American Society for Testing Materials is to be held in Atlantic City, N.J., June 22-26. A provisional programme has come to hand covering ten sessions devoted to reports of committees and papers. Each of the following topics has an entire session devoted to it: Non-ferrous metals; steel; heat treatment of steel; testing apparatus; cement and concrete; ceramics, gypsum and lime; preservative coatings and lubricants; road materials, timber and rubber.

Attention is called to proposed amendments of the by-laws, which, if adopted, will result in:

1. The reduction of the age limit for junior members from 30 to 25 years;

2. The requirement of initiation fees of $10 for members and $5 for junior members, the latter being subject to a supplementary fee of $5 on their transfer to the grade of member;

3. The use of the inclusive term "Standards" for (*a*) Standard Specifications, (*b*) Standard Methods, (*c*) Standard Tests, and (*d*) Standard Definitions;

4. The requirement that in general proposed new standards or proposed amendments of existing standards shall be published in the year-book for one year as "Tentative Standards" on which written discussions addressed to the appropriate committee shall be invited.

VANCOUVER IN MARKET FOR POWER SITES.

The city council of Vancouver, B.C., is investigating for itself the water power possibilities of several sites in the vicinity with a view of establishing a municipal light and power plant. One of these sites is located on the Cheakamus River, sixteen miles north of Squamish, the second on the Indian River at the head of the North Arm of Burrard Inlet, and the third on the Bridge River, ten miles west of Lillooet.

The B. C. Power & Electrical Company hold the rights on the Cheakamus River, Howe Sound, capable, it has been estimated, of producing 100,000 horse-power. The minimum cost of generating and transmitting to Vancouver is estimated at $52 per horse-power and the maximum $80 per horse-power, depending on the form of construction. The property is 16 miles above Newport and the intake about a mile from the railway, which should help to reduce construction costs.

It is claimed that power can be generated for three-tenths of a cent per kilowatt-hour. The maximum cost of the construction of the plant is estimated at about $3,900,000.

The one on Indian River, near the head of the North Arm of Burrard Inlet, is 25 miles from the city and is capable of developing at a single power house 40,000 horse-power of continuous electrical energy. It is claimed that this could be easily increased to 50,000 horse-power by short pipe lines to develop a smaller site not at present included in the plans. The static head of the larger portion of the power is 2,200 ft. Additional power may be developed by building a second power house four miles further up the river. This development could be made at a cost of $60 per horse-power at the power house switch-board, or $80 per horse-power at the receiving station in the vicinity of Vancouver.

The other power site is approximately 150 miles from Vancouver at Seaton Lake, ten miles this side of Lillooet, on the Pacific Great Eastern Railway. There 200,000 horse-power may be developed, and by additional storage this amount could be increased to 400,000 horse-power. The cost at the power house switch-board is estimated at $35 per horse-power and $65 per horse-power in Vancouver.

At the request of the council, the supervising city engineer, Mr. F. L. Fellowes, is also preparing a report on the power possibilities of Seymour and Capilano Creeks.

COAST TO COAST

St. John, N.B.—The new plant of the Atlantic Sugar Refinery has just been completed. It is a concrete and steel structure with a daily capacity of 1,000,000 pounds.

Prescott, Ont.—It is stated that arrangements are now being made for the construction of the Ottawa-Prescott highway, the estimated cost of which is about $600,000.

Vancouver, B.C.—The city council has notified the Great Northern Railway to proceed at once with the preparation of plans and the construction of its proposed terminal buildings.

Ottawa, Ont.—A large labor deputation from the New Welland Ship Canal, representing boiler makers, electricians, bricklayers, carpenters, machinists, dredgers and hoist-men, waited on the Minister of Railways and Canals with a request for shorter hours.

Vancouver, B.C.—Construction work will begin early this month on the new government elevator, for which Messrs. Barnett, McQueen & Co. were the successful contractors. Plant and equipment are being assembled and installed.

Ottawa, Ont.—Mr. John B. McRae, consulting engineer, has submitted plans for the Lemieux Island overland pipe project for supplying the city with water for fire protection. These plans call for high-lift pumps affording a pressure of 120 pounds.

Moose Jaw, Sask.—While excavating for the new intersecting sewer in Oxford Street, a flow of water amounting to about 200,000 gallons per day was struck. Mr. George D. Mackie, city engineer-commissioner, states that the supply is unfit, however, for domestic consumption.

Vancouver, B.C.—The city is investigating the advisability of installing its own light and power plant. Propositions for power sites on Indian River, Cheakamus River, and Seaton Lake, have been presented. Water power rights on Capilano and Seymour creeks are also being investigated.

Toronto, Ont.—The York County Highway Board will spend about $120,000 this year on about 30 miles of roadway. Since undertaking the work in 1911 about 70 miles of road have been improved, the cost being about $480,000. If 30 miles are reconstructed this year there will be a remainder of 15 miles still to improve before the county highway project of 1911 has been completed.

Cobalt, Ont.—The emptying of Cobalt Lake into Lake Timiskaming, to make possible the recovery of rich silver ore in the upper workings of the Cobalt Lake mine underneath, is a proposition that has invoked considerable interest. Dewatering will begin in the course of a few days, the electrically operated machinery and pumps having been recently installed. It is expected that the work will occupy the greater part of the summer.