the department of civil engineering. In 1909 Professor Swain was offered and accepted the Gordon McKay professorship of civil engineering in the graduate school of applied science, Harvard University. In 1893 upon the organization of the Society for Promotion of Engineering Education, he was appointed the second president of that society. His publications include Notes on Hydraulics and also on Structures, for the use of his classes. In 1887 he contributed a paper to the American Society of Civil Engineers on the "Calculation of Stresses in Bridges for Concentrated Loads," which paper has had a very marked effect upon present practice so far as structural computations and investigations are concerned. Professor Swain has served on a number of different commissions, among them being the Boston Transit Commission organized for the construction of the Boston Subways; the commission appointed to fix the method of eliminating grade crossings in various parts of New England, and has in very many cases been called as an expert in court cases, not only in Massachusetts but elsewhere.

COMING MEETINGS.

TCANADIAN ELECTRICAL ASSOCIATION.—Annual Convention will be held in Fort William, June 23, 24 and 25, Secretary, C. E. Bawden, Birkbeck Bld., Toronto.

THE INTERNATIONAL ROADS CONGRESS.—The Third International Roads Congress will be held in London, England, in June. 1913. Secretary, W. Rees Jeffreys, Queen Anne's Chambers, Broadway, Westminster, London, S.W.

Rees Jeffreys, Queen Anne's Chambers, Brondway, Westminster, London, S.W.
THE CANADIAN FORESTRY ASSOCIATION.—National Convention will
be held in Winnines, Man., July 7-9. James Lawler, Secretary, Canadian
Forestry Association. Canadian Building, Ottawa.
THE INTERNATIONAL GEOLOGICAL CONGRESS.—Twelfth Annual
Meeting to be held in Canada during the summer of 1913. Secretary, W. S.
Lecky, Victoria Memoriam Museum. Ottawa.
NATIONAL ASSOCIATION OF CEMENT USERS.—Tenth Annual Convention to be held at Chicago. Ill., Feb. 16-20, 1914. Secretary, E. E. Kraus,
Harrison Bld., Philadelphia, Pa.

ENGINEERING SOCIETIES.

CANADIAN SOCIETY OF CIVIL ENGINEERS.—176 Mansfield Avenue, Montreal. President. Phelps Johnson: Secretary. Professor C. H. McLeod. KINGSTON BRANCH—Chairman, A. K. Kirkpatrick; Secretary, L. W Gill; Headquarters: School of Mines, Kingston.

MANITOBA BRANCH.—Chairman, J. A. Hesketh; Secretary, E. E. Brydone-Jack, 83 Canada Life Building, Winnipeg. Regular meetings on first Thursday of every month from November to April.

OTTAWA BRANCH—
177 Sparks St. Ottawa. Chairman, R. F. Uniacke, Ottawa; Secretary,
A. B. Lambe, N.T. Ry., Cory Bldg. Meetings at which papers are read,
1st and 3rd Wednesdays of fall and winter months; on other Wednesday
nights in month there are informal or business meetings,

QUEBEC BRANCH—Chairman, A. R. Decary; Secretary, A. Amos; meetings held twice a month at room 40, City Hall.

TORONTO BRANCH—96 King Street West, Toronto. Chairman, E. A. James; Secretary-Treasurer, A. Garrow. Meets last Thursday of the month at Engineers' Club.

Engineers' Club.

CALGARY BRANCH—Chairman, H. B. Mucklestone; Secretary-Treasurer, P. M. Sauder.

9ANCOUVER BRANCH—Chairman, G. E. G. Conway; Secretary-Treasurer, P. Pardo Wilson, Address: 422 Pacific Building, Vancouver, B.C.

VICTORIA BRANCH—Chairman, F. C. Gamble; Secretary, R. W. MacIntyre; Address P.O. Box 1290. Meets 2nd Thursday in each month at Club Rooms, 534 Broughton Street.

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THE UNION OF NEW BRUNSWICK MUNICIPALITIES.—President, Councillor Siddall, Port Elgin; Hon. Secretary-Treasurer. J. W. McCready, City Clerk, Fredericton.

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