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- * Bruce Sinclair (Institute for the History and Philosophy of Science and Technology, University of Toronto, Toronto, Ontario M5S 1A1)

SOME ISSUES IN THE PROFESSIONALIZATION OF CANADIAN ENGINEERING

This paper argues that technology is an aspect of culture and that Canadian technology reflects the national condition. Caught between the powerful and often opposing influences of Britain and the United States, Canadian technology mirrors not only a mixture of those forces but the ambivalence Canadians often felt in selecting one model over another. The profession of civil engineering illustrates the argument. Canadian engineers were attracted to British professional ideals but faced the problem of creating an engineering society suited to their own needs. Central to their concerns was the fact that imported engineers frequently took Canadian jobs and, in a fashion parallel to Macdonald's "National Policy," they sought a remedy in restrictive legislation. The aim of a single unified Canadian engineering society, like the idea of a single unified Canadian railroad, sprang from the historical problem of defining a country simultaneously British and North American.

- * Donald J. C. Phillipson (Hall's Road, R.R. 1, Carlsbad Springs, Ontario, KOA 1K0)

A SURVEY OF UNEXPLOITED ORIGINAL MATERIALS IN THE HISTORY OF SCIENCE IN CANADA SINCE 1900

This paper reviews some causes of Canadians' traditional neglect in studying the history of Canadian science and technology and examines some of the social and academic consequences of this neglect. The paper then suggests that this situation may be changing and it presents a series of specific proposals for promoting the history of Canadian science and technology. It concludes by examining numerous unexplored topics in the field and reviewing the sources available on them. The paper is an outgrowth of the author's experience on the NRC oral history/archives project.

In addition, Mr. Bertrum Macdonald (Western Ontario) described the bibliographic project mentioned in HSTC #3.

- *N.B. The Bulletin does not provide for the circulation of papers. Should a reader wish to have a copy of one of the above, he or she should contact the author personally.

ANNOUNCEMENTS

Mr. A. W. Tickner, Senior Archival Officer of the National Research Council, has announced a meeting to discuss archives for the Canadian science and technology, to be held in Room 3001, NRC Building, 100 Sussex Drive, Ottawa, at 10:00 a.m., Friday, 16 September 1977. Coffee from 9:45 a.m.

Brief statements will be given by N.R. Ball (PAC), Sandra Guillaume

(University Toronto Archives), C.E.S. Franks (Queen's) and D. W. Thomson. Everyone with an interest in scientific and technical archives may attend. Further information can be obtained from Dr. Ticker at the NRC (Ottawa, Ontario. K1A 0R6) or by phoning (613) 993-0286.

The Canadian Genius: Biographical Sketches

I have it in mind to prepare a book of biographical sketches of Canadian men of distinction in science: to be collected from other sources where possible (to save labour and to give wider distribution to those good memoirs that may already have been written specially for the occasion.

There are two central aims: to provide the general reader with an outline of science in Canadian history and Canadian contributions to world science; and to initiate the scholarly examination of what (if anything) may be characteristic of working Canadian scientists.

Some number between 12 and 24 individuals will eventually be presented. The draft list (classified roughly by type) includes:

Builders: Msgr. Alexandre Vachon (Laval chem. school)
H.M. Tory (U. Alberta, ARC, NRC, Carleton)
E.W.R. Steacie (McGill, NRC)
Sir W. Macdonald (university endowments)

Solitaries: Michel Sarrazin (early biology)
Abbe Provancher (19th century field biology)
D.W. Stedman (NRC chemist/inventor)
Gerhard Herzberg (Nobel)

Bureaucrats: Sir W. Dawson (or Sir W. Logan perhaps)
Sir C. Saunders (CDA)
C.J. Mackenzie (NRC)
A.G. Huntsman (FRB)

Main stream: Sir. F. Banting (Nobel)
J. B. Collip (Insulin and ACTH)
D.O. Hebb (McGill psychology)
W.B. Lewis (AECL)

Correspondence is invited on all aspects of this outline: choices of individuals, their classification, and the central theme (viz. whether there is or not anything characteristic of these men's contributions to either Canadian life or world science.)

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