BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

official opening

of the

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

3700 WILLINGDON AVENUE
BURNABY B.C.

OCTOBER 5, 1964

8 P.M.

Honourable W.A.C. Bennett, LL.D.
Premier of the Province of British Columbia

The Honourable Allan J. MacEachen, P.C., M.P.
Minister of Labour, Dominion of Canada

CANADA

Honourable Leslie R. Peterson, Q.C., LL.B., F.R.S.A.
Minister of Labour and Education

"The Institute of Technology is an 'institute of higher learning' new to British Columbia, and I confidently expect that it will come to occupy an important and unique position in our total educational programme."

The Institute is the product of close co-operation between the Department of Education, the University of British Columbia, the British Columbia Vocational School in Burnaby, and the many authorities and agencies concerned with the training and employment of technical personnel.

The Government of Canada has contributed 75% of the cost of constructing and equipping this Institute.

OBJECTIVE OF THE INSTITUTE

The Institute is intended to broaden the range of higher education in British Columbia by providing training outside the scope of the University of British Columbia and of the British Columbia Vocational Schools. It will produce technicians who, with additional experience, rapidly will assume responsible, supervisory, or managerial positions in business or industry, as graduate technologists. Their particular interests and abilities should be in the applied aspects of engineering or business rather than in the development of new principles. In this respect, it is expected that they will provide liaison between the professional and the craftsman.

PROVINCE OF BRITISH COLUMBIA

DEPARTMENT OF EDUCATION

Honourable L.R. PETERSON, Q.C., *Minister of Labour and Education*

Dr. J.F.K. ENGLISH, *Deputy Minister and Superintendent of Education and Chairman of the Advisory Council*

J.S. WHITE, *Provincial Director of Technical and Vocational Education and Regional Director of Canadian Vocational Training, and Vice-Chairman of the Advisory Council*

E.C. ROPER, *Principal, British Columbia Institute of Technology*

MEMBERS OF THE ADVISORY COUNCIL

Chairman:

Dr. J.F.K. ENGLISH, *Deputy Minister and Superintendent of Education*

Vice-Chairman:

J.S. WHITE, *Director of Technical and Vocational Education and Regional Director of Canadian Vocational Training, Dept. of Education*

Principal:

E.C. ROPER, B.Sc., M.B.A., P.Eng., *British Columbia Institute of Technology*

Members:

William M. Armstrong, *Professor of Metallurgy, University of British Columbia*

Ralph S. Carey, *Personnel Superintendent, Hudson's Bay Company*

Dr. G.R.F. Elliot, *Deputy Provincial Health Officer, Bureau of Special and Preventive Treatment Service*

Prof. Frank A. Forward, *Professor and Head, Department of Metallurgy, University of British Columbia*

Edwin B. Harkness, *Vice-Chairman —Industrial Development Commission of Greater Vancouver*

John E. Liersch, *Vice-President —Canadian Forest Products Ltd.*

Ralph C. MacDonald —*New Jersey Zinc Exploration Co. (Canada) Ltd.*

G. Rex McMeekin, *Special Assistant, Administration —The Consolidated Mining and Smelting Company of Canada Limited*

Dr. D.M. Myers, *Dean —Faculty of Applied Science, University of British Columbia*

Dr. Frank Noakes, *Professor and Head —Dept. of Electrical Engineering, University of British Columbia*

John H. Steede, *Chief Engineer —British Columbia Hydro and Power Authority*

John Shaw, *Chief Chemist and Process Engineer —Western Chemical Industries Ltd.*

Resource Personnel:

H. Clement, *Co-ordinator, Western Region —Technical and Vocational Training Branch, Federal Department of Labour*

S.E. Espley, *Comptroller of Expenditure —Department of Education*

N.M. Henderson, *Director of Vocational Curriculum —Dept. of Education*

Col. J.W. Inglis, *Principal —British Columbia Vocational School - Burnaby*

F.P. Levirs, *Asst. Superintendent (Instruction) —Department of Education*

J.R. Meredith, *Director of Curriculum —Department of Education*

V.E. Rickard, *Asst. Director —Technical and Vocational Education, Department of Education*

Col. C.J. Strong, *Inspector of Technical Classes —Department of Education*

A. Webb, *Deputy Minister of Public Works —Dept. of Public Works*

Special recognition is hereby accorded to Mr. D.E. Bridge, B.A.Sc., Technical Training Specialist, Department of Labour, Ottawa, who in 1959, worked with Mr. J.S. White on the original survey regarding the need for the development of an Institute of Technology in British Columbia.

PUBLIC WORKS DEPARTMENT

PROVINCE OF BRITISH COLUMBIA

Honourable W.N. CHANT, *Minister*

A.E. WEBB, *Deputy Minister*

The design and supervision of construction of the main Institute Building, under the general direction of the Department of Public Works, were the responsibility of McCarter, Nairne and Partners. The design and supervision of construction of the Food Training Centre Building and the Mechanical Building were the responsibility of the Executive Staff of the Public Works Department listed below.

W.R.H. Curtis	—M.R.A.I.C., A.R.I.B.A., A.N.Z.I.A. *Assistant to the Deputy Minister*
W.W. Ekins	—B. Arch., M.R.A.I.C. *Supervising Architect*
J.A. Cochrane	—B. Arch., M.R.A.I.C. *Project Architect*
S. Lloyd	—M.R.A.I.C. *Senior Construction and Maintenance Architect*
W.E. Mills	—B.A. Sc., P. Eng. *Senior Structural Engineer*
J.R. Simpson	—B.A. Sc., P. Eng. *Senior Structural Engineer*
J.R. Walker	—*Senior Electrical Designer*
R.H. Savery	—A.I.L.A., *Landscape Designer*
S.E. Edgecombe	—A.R.I.C.S., F.C.I.Q.S. *Senior Quantity Surveyor*
A.E. Rhodes	—*Comptroller of Expenditure*

PURCHASING COMMISSION

G.E.P. JONES, *Chairman* R.G. McKEE, *Member* A. E. WEBB, *Member*

The purchase of all equipment and materials for these buildings was under the direction of the Purchasing Commission, Department of Finance.

B. C. INSTITUTE OF TECHNOLOGY –MAIN BUILDING

ARCHITECTS: McCARTER, NAIRNE and PARTNERS
Mr. W.G. LEITHEAD

CONTRACTOR: BURNS & DUTTON CONSTRUCTION (1962) LTD.
R.W. BURNS, President

Mr. H. Irvin Thomas, Vice-President, will present this building on behalf of the Contractor.

MECHANICAL BUILDING

ARCHITECTS: PUBLIC WORKS DEPARTMENT
Province of British Columbia

CONTRACTOR: E.H. SHOCKLEY & SON LTD.
1936 Powell St. Vancouver, B.C.

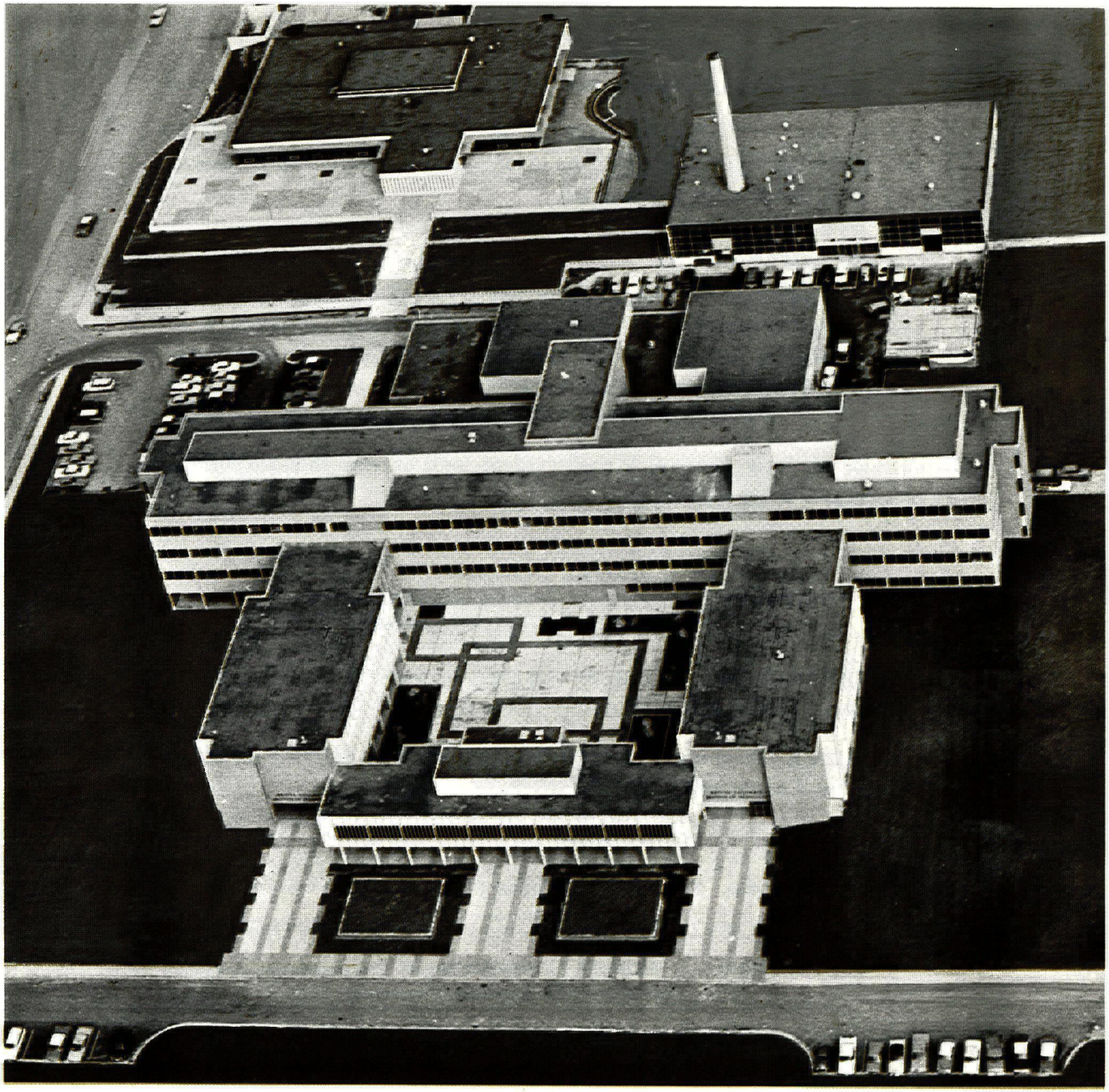
Mr. A.E. Shockley, President, will present this building on behalf of the Contractor.

FOOD TRAINING CENTRE

ARCHITECTS: PUBLIC WORKS DEPARTMENT
Province of British Columbia

CONTRACTOR: BEAVER CONSTRUCTION CO. LTD.
175 West 5th Avenue, Vancouver, B.C.

Mr. A. Brodner, President, will present this building on behalf of the Contractor.



PROGRAMME

CHAIRMAN

The Honourable LESLIE R. PETERSON, Q.C., LL.B., F.R.S.A.
Minister of Labour and Education, Province of British Columbia

"O CANADA"

INTRODUCTORY REMARKS

The Honourable LESLIE R. PETERSON, Q.C., LL.B., F.R.S.A.
Minister of Labour and Education

DEDICATION

The Right Reverend GODFREY P. GOWER, B.A., D.D.
Bishop of the Diocese of New Westminster

REMARKS

The Honourable ALLAN J. MacEACHEN, P.C., M.P.
Minister of Labour, Dominion of Canada

PRESENTATION OF BUILDINGS
to
The Honourable W.N. CHANT
Minister of Public Works for the Province of British Columbia

ADDRESS AND OFFICIAL OPENING

The Honourable W.A.C. BENNETT, LL.D.
Premier of the Province of British Columbia

REMARKS

Mr. E.C. ROPER, B.Sc., M.B.A., P. Eng.
Principal, British Columbia Institute of Technology

"THE QUEEN"

TOUR OF THE INSTITUTE AND REFRESHMENTS

BAND

* *The Royal Canadian Engineers' Band, Camp Chilliwack, B.C.*

ADVISORY COMMITTEES

The Institute and its training programmes are the result of the co-ordinated efforts of governmental and educational authorities working with the strong support of an Advisory Council and Advisory Committees. The advisory groups, composed of leading representatives of industry, business, medicine, and other professions, have been instrumental in relating the scope and nature of each programme to the specific needs of the Province and the nation.

Broadcast Communications
Building Advisory Technology
Business Management

Chemical and Metallurgical Technology
Civil and Structural Technology

Electrical and Electronics Technology

Food Processing Technology
Forestry Technology
Forest Products Utilization Technology

Gas and Oil Technology

Hotel, Motel, and Restaurant Management

Instrumentation and Control Technology

Library Advisory Committee

Mechanical Technology
Medical Laboratory Technology
Medical Radiography Technology
Merchandising and Sales
Mining Technology

Surveying Technology

PROGRAMMES

BROADCAST COMMUNICATIONS

The Broadcast Communications programme is presented in two complete options, each a full two-year curriculum. The Production option students, 18 in all, are taught both radio and television, in all aspects except technical. Courses include announcing, writing, news operation, current events and contemporary history, radio and television production. The Technical option students, 12 in number, take a full electronics course, and spend many hours a week in the broadcast area, working on radio and television equipment. The Broadcast Communications laboratory area is actually a radio and television station complete in every respect except that it will not be on the air.

BUILDING TECHNOLOGY

Building in North America has long suffered from a scarcity of men and women to fill the wide range of middle positions between tradesmen and professional engineers and architects. This course will produce people who can immediately become useful draftsmen and designers in the many and varied sub-trade companies, knowledgeable salesmen in building supply firms and, with varying degrees of job experience, inspectors in public and private building inspection departments, heads of property management departments, estimators and supervisors in contracting organizations, and teachers and instructors. In time they may also become partners and owners of such building organizations, thus increasing the number of people with technical training holding these primary positions.

BUSINESS MANAGEMENT TECHNOLOGY

The Business Management programme provides specialized training in such subjects as electronic data processing, modern accounting systems, advertising and sales promotion, and salesmanship, to assist graduates to cope effectively with their first jobs. The programme is designed to develop the broad background knowledge so necessary to graduates, through-

out their business careers, for analyzing problems, evaluating possibilities and making decisions.

CHEMICAL and METALLURGICAL TECHNOLOGY

Due to expansion in the chemical and metallurgical industries, there is a growing need for highly-trained technicians in plant production and laboratory work. The two-year course at the Institute provides training for such technicians.

In the first year the student takes basic courses in chemistry and the related subjects. In the second year he receives further instruction in organic and physical chemistry, and undertakes production training, with courses in work study, unit operations, and instrumentation. In addition, the student chooses a course in either physical metallurgy or analytical chemistry to prepare him for a more specialized position in industry.

CIVIL and STRUCTURAL TECHNOLOGY

This technology embraces many aspects of the design, construction and servicing of the facilities which a modern civilization demands, such as harbours, highways, airports and railways; dams, bridges, and buildings; water supply and waste disposal systems.

The graduates from this Institute will have a training which equips them to play an important role in this exciting phase of the development of British Columbia.

ELECTRICAL and ELECTRONICS TECHNOLOGY

Electricity and Electronics are directly related to every human activity. It is difficult to visualize modern society without electric power and machines or the myriad electronic devices that provide for our comfort, safety and entertainment. It is no wonder that the electrical and electronics industries are now of major importance and are expanding at an ever-increasing rate. Many opportunities exist in these industries for the graduates of the Institute's Electrical and Electronics programme.

FOOD PROCESSING TECHNOLOGY

The Food Processing Technology programme, the first of its kind in Canada, is designed to train technicians for our modern food industry. The graduate will be well qualified for employment in food inspection, quality control and research laboratories, or to operate special equipment and supervise processes within the food plant itself.

FOREST PRODUCTS UTILIZATION TECHNOLOGY

The instruction and training offered in the Forest Products Utilization programme is designed to qualify technicians for assignments in the expanding industries related to the utilization of our forest crop. The continuing application of new principles and techniques in the pulp and paper and other wood-using industries requires men with a sound technological background for plant operations, research and development, quality control, and sales.

FORESTRY TECHNOLOGY

A tremendous expansion in the growing and harvesting of timber products in British Columbia is creating demands for young men trained in logging, reforestation, and protection work. Technicians trained at the Institute in these fields will find ready employment in industry and government service in this, British Columbia's most important industry.

GAS and OIL TECHNOLOGY

The greatly expanded production of natural gas and oil in Canada with the consequent increase in utilization has created a demand for technicians to operate in all fields of these industries.

The training which will be given in the Institute will produce graduates capable of taking their place in responsible positions in this rewarding field of employment.

HOTEL, MOTEL and RESTAURANT MANAGEMENT

In 1963 the total Canadian receipts from tourists amounted to more than $600 million. Within a few years this is expected to rise to a billion dollars and become Canada's biggest earner of foreign exchange. British Columbia's share of this income was $150 million in 1963. To cater to tourist demands, many new hotels, motels and restaurants must be built. To manage these businesses, trained personnel will be required. The hotel, motel and restaurant management programme at the Institute is planned to fill the future demand for managers.

INSTRUMENTATION and CONTROL TECHNOLOGY

Mass production processes such as pulp mills, refineries, and chemicals manufacture, require precise control of the operating conditions in order to produce "on specification" products. This involves first the measurement of the actual operating conditions such as temperature, pressure, flowrates, etc. Next, the value of these conditions is compared with the desired values as found by design or experience. Finally corrective action is taken where deviations occur. The automatic performance of these tasks is the function of industrial control instruments, and the understanding of these instruments is the work of the Instrumentation and Control technician.

MECHANICAL TECHNOLOGY

Mechanical technology has become an essential part of a great many industrial operations. The increasing technical complexity of such operations is reflected in the rapidly growing demand for competent, trained persons. The Mechanical Technology programme provides training leading to interesting and rewarding employment in a wide variety of occupations.

MEDICAL LABORATORY TECHNOLOGY

The role of the medical technologist is to assist in the diagnosis of disease. The ability to perform this paramedical service must be based on a knowledge of accepted laboratory methods in Bacteriology, Blood Banking, Haematology, Histology and Serology. Theoretical and practical methodology are given at the Institute and practical training is continued in approved hospital laboratories.

MEDICAL RADIOGRAPHY TECHNOLOGY

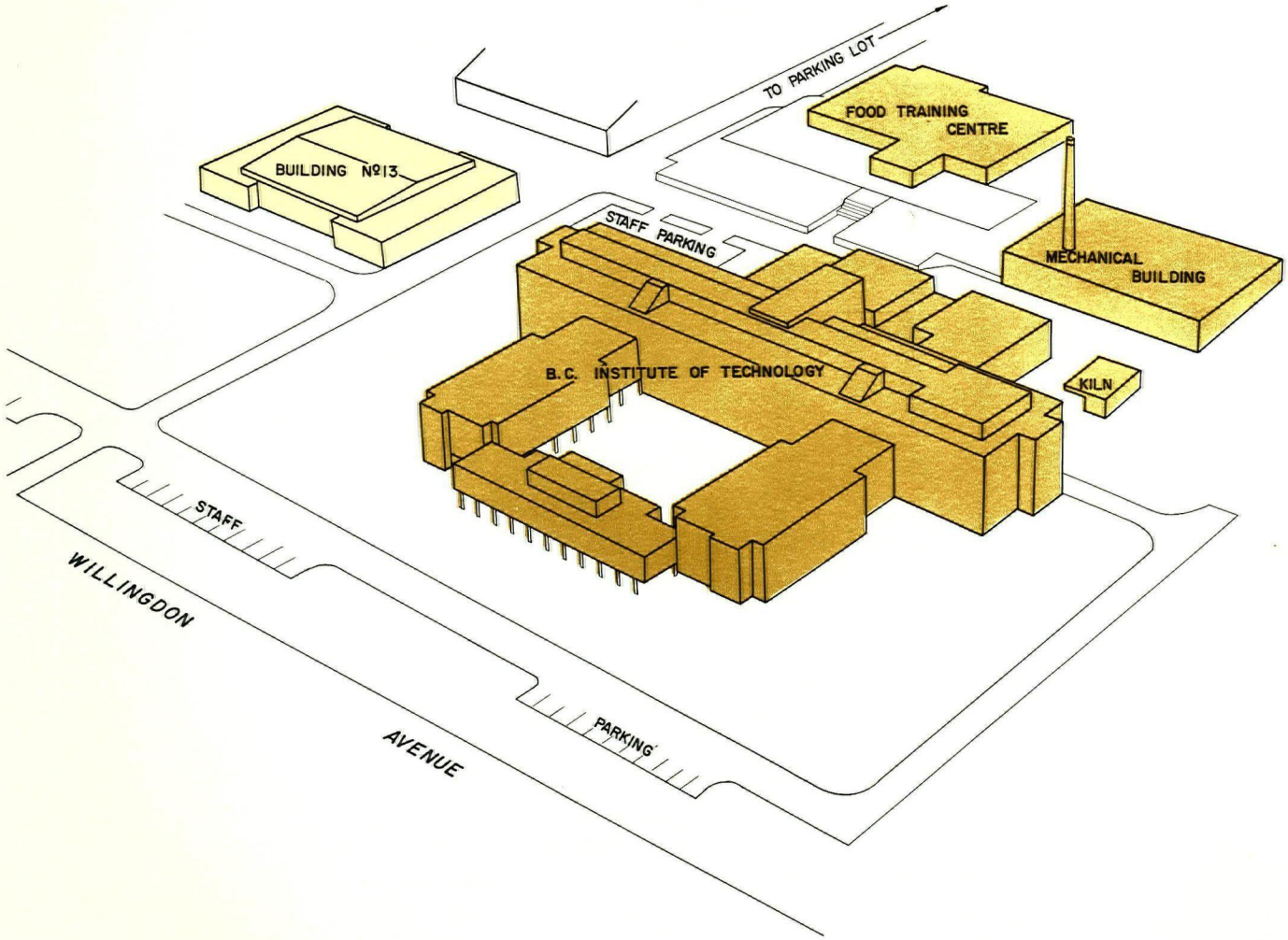
The Medical Radiographer, or X-Ray Technician, who is to be trained at the Institute and in the major hospitals of British Columbia, will receive instruction which will enable him to take his place in the modern medical team, and use electronics and other scientific advances for the benefit of the patient. This training will equal the finest in the world and employment will be open in all English-apeaking countries to the graduate of the Institute.

MINING TECHNOLOGY

The mining industry today in British Columbia is at its highest level ever, considering properties brought and being brought into production, and the tempo of exploration. There is a definite need for trained personnel in this expanding industry and it is to this need that the Institute hopes to be able to contribute significantly through its technical training programme.

SURVEYING TECHNOLOGY

Canadian surveyors, because of their experience in the development of the vast and difficult terrain of Canada, rate among the world's best. At this time Canadian surveying and engineering firms are engaged world-wide in such projects as highways, dams, bridges, mapping, mines, and oil exploration. In this wide and rapidly expanding field there lies a bright future for men with the right abilities and training, both here in Canada and all over the world. The British Columbia Institute of Technology will play an important part in the training of these men.


TO PARKING LOT
FOOD TRAINING CENTRE
BUILDING Nº13
STAFF PARKING
MECHANICAL BUILDING
B.C. INSTITUTE OF TECHNOLOGY
KILN
STAFF
WILLINGDON
AVENUE
PARKING

* *"Music by the Royal Canadian Engineers Band under the direction of Lieutenant L. Camplin, A.R.C.M., L.G.S.M., Director of Music by kind permission of Brigadier E.D. Danby, D.S.O., O.B.E., C.D., Commander, British Columbia Area."*

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