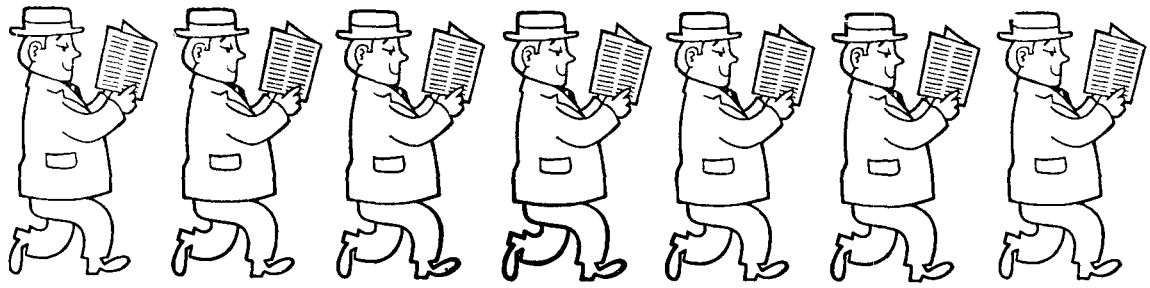
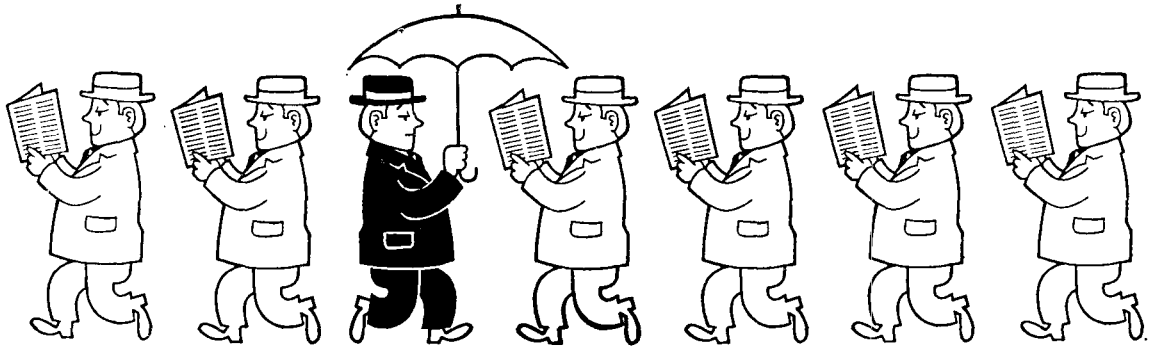
THE U.B.C. ALUMNI CHRONICLE

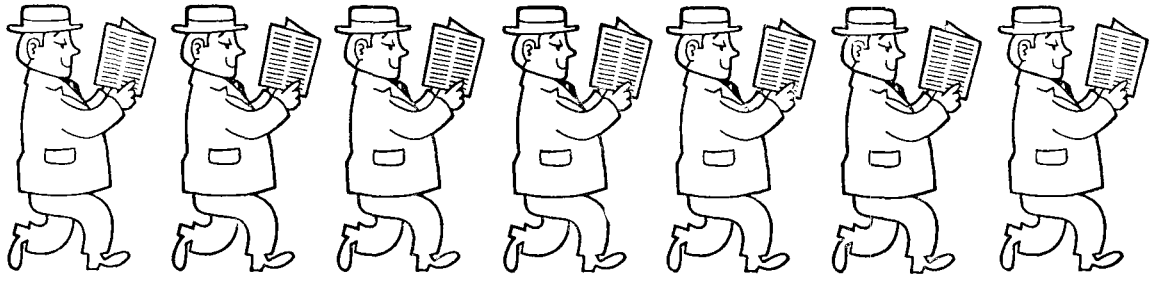
Volume 15, No. 4 *Winter, 1961*



THEY'RE ALL OUT OF STEP



BUT SMITH...



That's according to Smith, of course. Actually it's Smith who's 'way out of step—all the others know the value of reading the B of M Business Review from cover to cover. This concise monthly spotlight on the business scene is invaluable in keeping you abreast of Canadian economic affairs.

Make it a point to read it every month. There's a personal copy available for you—even if your name *is* Smith. Just drop a line today to: Business Development Division, Bank of Montreal, P.O. Box 6002, Montreal 3, P.Q.

"MY BANK"
TO 2 MILLION CANADIANS
B of M

BANK OF MONTREAL
Canada's First Bank

WORKING WITH CANADIANS IN EVERY WALK OF LIFE SINCE 1817

SD-79L R

U.B.C. ALUMNI
CHRONICLE

Volume 15, No. 4 — Winter, 1961

EDITOR:

Frances Tucker, BA'50

EDITORIAL COMMITTEE:

Cecil Hacker, BA'33, chairman

Inglis (Bill) Bell, BA'51, BLS(Tor.)

Mrs. T. R. Boggs, BA'29

David Brock, BA'30

M. A. Fotheringham, BA'54

W. C. Gibson, BA'33, MSc(McGill), DPhil(Oxon.), MD,CM(McGill)

John L. Gray, BSA'39

F. P. Levirs, BA'26, MA'31

Eric Nicol, BA'41, MA'48

Published quarterly by the Alumni Association of the University of British Columbia, Vancouver, Canada. Business and editorial offices: 252 Brock Hall, U.B.C., Vancouver 8, B.C. Authorized as second class mail by the Post Office Department, Ottawa, and for payment of postage in cash.

The U.B.C. Alumni Chronicle is sent free of charge to alumni donating to the annual giving programme and U.B.C. Development Fund. Non-donors may receive the magazine by paying a subscription of $3.00 a year.

Contents

4 Bill Gibson speaking: Alumni editorial

5 University news

10 Thea Koerner Graduate Centre

12 Mabel Lanning retires

14 Feature article: The Faculty of Medicine

24 Earle Birney remembers Dal Grauer

25 Alumni Association news

DR. PHYLLIS ROSS, ELECTED CHANCELLOR NOVEMBER 28, 1961. DR. ROSS IS BELIEVED TO BE FIRST WOMAN IN BRITISH COMMONWEALTH TO HOLD OFFICE AS A UNIVERSITY CHANCELLOR WHO IS ALSO CHAIRMAN OF BOARD OF GOVERNORS

Bill Gibson speaking:

With this issue the *Chronicle* begins a new stage in its development. Under the chairmanship of Cecil Hacker, BA'33, a new editorial board assumes responsibility for the production of this important means of communication between alumni scattered over a wide area of the globe. It is one of our hopes, in the board of management of the Alumni Association, that the *Chronicle* may yet be published six times per year, the better to bring to our members the latest developments in the perplexing situation in which higher education finds itself in British Columbia.

The Association is flourishing. In fact, it is almost too busy as we attempt the following:

✓ To assist the University both at its Point Grey and Victoria campuses to get a per student annual grant from the government of British Columbia comparable to that given to the University of Alberta by its government. In the present year U.B.C. has received approximately one-third of the University of Alberta grant for each full-time student enrolled in the winter session. It seems obvious that standards comparable to Alberta cannot be maintained by U.B.C. in the face of this great disparity in financial support.

✓ To join with Alumni Associations of all Canadian universities in impressing on the federal government the need to increase its aid to universities very substantially from the present $1.50 per head of provincial population. Increased federal support is urgently needed if we are to cope with the wave of students now breaking over our Canadian campuses.

✓ To join with the U.B.C. department of extension in providing, in every part of British Columbia, study groups which will appeal to the adult mind wishing to carry on the exploration of history, the great authors and other intellectually stimulating subjects. Too often these were crowded into the undergraduate years and, for many, time and relaxing circumstances are only now available.

✓ To conduct among graduates a study of the needs of British Columbia in the field of higher education with a view to presenting our findings to appropriate bodies for immediate action. The issues to be faced include an atomized versus a federated system of colleges throughout British Columbia, specialist colleges, denominational colleges, technological colleges, the failure rate among freshmen, the need for more graduate studies, more entrance scholarships on a regional basis, and so on.

✓ To bring to both the Point Grey and Victoria campuses a constant supply of no - strings - attached money through alumni annual giving, for the development of quality items in the intellectual life of our students.

✓ To hold regional conferences throughout the province to discuss the impact which an integrated system of higher education can make upon our thinking, our economy and our lives. Meetings have been held at Abbotsford, Vernon and Nanaimo and next come the Kootenays and the North.

✓ To join with the B.C. Council on Education in surveying the content of the educational offerings in this province.

✓ To interest more graduates of Universities resident in British Columbia in seeking public office, with a view to materially increasing their number in the provincial legislature, and meantime to set up an alumni committee in each electoral riding in British Columbia for liaison with the sitting members in the field of university needs.

This is a full programme and I would like to hear from graduates who want to help in any part of it.

Ed. Note: This is the first message in a series to be contributed by our Alumni Association president.

UBYSSEY editorial, Monday, November 27, 1961

Dr. MacKenzie is a man who believes that universities exist for students. He believes that students, therefore, should accept a large measure of responsibility for their own affairs.

It is largely through his efforts that the student body enjoys the freedom and responsibility it has today.

And this has not been achieved without opposition both inside and outside the university community.

In his dealings with student officials President MacKenzie has always exhibited tact, fairness and honesty. He treated the many delegations that visited his office with a respect that has always won the admiration of members. He never "talked down" to his students.

Dr. MacKenzie advocated student responsibility and lived by that creed himself, even though it must have caused him many uneasy moments; for he realized that with the freedom would also come the mistakes and bad judgment that would at times arouse the wrath of many in the community. He was always prepared to bear the brunt of the attack, for he realized that through these mistakes the students gained maturity, understanding and wisdom.

Norman MacKenzie was a president who had faith in his students. And of his many qualities of greatness it is for this that students will remember him most.

Eighteen Good Years

Dr. Norman Archibald MacRae MacKenzie, 67, president of the University of British Columbia since 1944 and architect of its development into one of the leading universities of the western world, will retire on July 1, 1962.

He has been asked by the Board of Governors to accept appointment as President Emeritus and remain available for another year to assist the new president in the period of adjustment following the change of command.

In announcing his retirement Dr. MacKenzie said it may be that a younger man will be closer to the experience of the student body and to most of the teaching and research staff. He added that his eighteen years with the University have been, without exception, good years.

"I count myself among the most fortunate and privileged of men to have been associated with the University during this stimulating period," he said. "My years have been busy ones; they have been exciting too. In those years, I have found deep and lasting satisfaction.

"As you know I feel that the student body is the most important group in our University community. Our students, and particularly our veteran students, have made my own work exciting and at times controversial but always happy and rewarding. I shall remember them, for their faces are the faces of friends. For me they will always be the finest group of young men and women I have known.

"The faculty are able, distinguished and dedicated. Without their support, and their willingness to do and to give their utmost in very difficult and demanding circumstances, we could not have carried on in those post-war years—and indeed ever since. To them belongs most of the credit for what we have accomplished and for the high reputation we have attained."

The Board of Governors, in accepting Dr. MacKenzie's resignation, placed on record its "profound sense of gratitude" for the distinguished service he has rendered to the University and to higher education, nationally and internationally.

"Only a man of Dr. MacKenzie's great energy could have made it possible for the University to meet the emergency problems of the post-war years" the board citation declared. "We at the University are deeply grateful for his devotion, his leadership and his triumphant record of accomplishment."

The citation also records Dr. MacKenzie's service to Canada as a member of the Massey Commission on Arts, Letters and Science, of the Canada Council and many other important national bodies.

Dr. Ross New Chancellor

Phyllis Gregory Ross, BA'25,MA(Bryn Mawr),LLD(British Columbia and New Brunswick), was elected Chancellor of the University on November 28 by members of Convocation to fill the unexpired term to May, 1963, of the late Chancellor, A. E. Grauer.

Anne M. Angus, BA'23, also nomi ated by the required seven members of Convocation, was the other candidate in the first election for chancellor since the early days of the University. In an interview with the *Ubyssey* Mrs. Angus said: "I believe that an elective office should be kept elective. Not since Judge F. W. Howay and Dr. R. E. McKechnie opposed each other in 1916 have U.B.C. alumni had the opportunity to elect their chancellor."

Dr. Ross' distinguished career is well known. It was recorded in the *Chronicle*, Winter, 1954, issue after she had been given the Great Trekker award for that year. Dorothy G. Taylor, BA'25, wrote of her then:

"Many years ago, in 1922 more or less, if my mind had run along its present channels in the sporting fields of agriculture, I might have said as I looked over new classmates of Arts '25, 'There's my candidate for the 1954 Futurity.'

"I would have been looking at a slim, pretty girl sitting on a bench in the old Fairview Arts building. She was tall and straight, and the centre parting in her smooth, dark hair was in accord with the serenity of her smile . . . The girl I had admired on that first day threw herself wholeheartedly into an honours course in economics and political science . . . Like many another U.B.C. graduate, I have followed the career of Phyllis Gregory Ross with admiration, and a little secret pride because I spotted a winner at first sight so long ago.

"A futurity race, or contest, of course, is one in which an animal is entered at an early age, to be judged years hence. As time goes on, the candidate for future honours is re-entered, each successive entry being a fresh avowal of the sponsor's faith. The Great Trekker of 1954 would have justified that faith throughout the years—and is a good prospect for still further honours.

"A quick glance over the life of Phyllis Ross might give the impression that she has simply gone from one success to another . . . This, however, is only partly true, as the beginnings for her were just as hard as for any other inexperienced job-hunter. In the early and hungry thirties young Mrs. Turner [as she then was, a widow with two children,] spent a great deal of time writing to government departments and other organizations to which she hoped her qualifications might have some appeal, and it was some time before she 'got a bite' from the department in charge of setting up the new tariff board. She was delighted to find that this was being done under Mr. Justice Sedgewick, a cousin of favourite U.B.C. Professor Garnett Sedgewick.

"Phyllis joined the new board, on probation, as research assistant, taking her children to Ottawa.

" . . . She admits that she looks back on that period of her life as the one giving her the greatest sense of achievement. The board was new, the work interesting, business associations pleasant, and, under a chief who refused to discriminate between the sexes, she found herself, in turn, chief research economist, economic adviser to the Wartime Prices and Trade Board, and, in 1941, Oils and Fats Administrator, climaxing a series of 'firsts' in the field of women employees of the government. . . .

"Assuredly a life of achievement and honour lies between Mrs. Frank Mackenzie Ross, Great Trekker of 1954, and young Phyllis Gregory, undergraduate, Arts'25. But this latest award is just part of a pattern that has become the normal way of life for Phyllis Ross, still my nominee for Futurity Honours."

CANADIAN RADIO HISTORY

Plaunt papers gift to U.B.C.

Mrs. Dorothy R. Dyde of Edmonton has recently presented to the University Library the papers of the late Alan B. Plaunt. Mr. Plaunt was influential in the establishment and early development of the Canadian Broadcasting Corporation and his papers constitute important source material for the history of Canadian radio broadcasting.

Alan Plaunt (1904-1941) was educated at St. Andrew's College in Aurora, Ontario; University College, Toronto, and Christ Church, Oxford. Having become interested in radio through the report of the Aird Commission (1928), he shared in the founding of the Canadian Radio League, which worked for the promotion of public ownership of Canadian radio. When the C.B.C. was established by parliamentary act in 1936, Mr. Plaunt was appointed as one of its governors. He remained with the Corporation until his resignation in October 1940; he died a year later, following a serious illness.

The Plaunt papers cover the period 1932-1940. They contain correspondence with such well-known figures as Mackenzie King, C. D. Howe, Vincent Massey, J. W. Dafoe, Brooke Claxton and Lester Pearson. In addition the papers include memoranda, publicity material and an extensive collection of clippings. The papers are preserved in the Special Collections Division of the University Library.

Mrs. Dyde, the former "Bobby" Pound, BA'30, is the daughter of the late A. M. Pound, whose Canadiana collection was given to the Library in the '30s by Mrs. Dyde and her sisters Marjorie, BA'31, and Isobel. Basil Stuart-Stubbs, the head of Special Collections, hopes that other graduates will keep the Library in mind as a repository for rare books and British Columbiana, and corporate and personal papers of literary and historical significance.

Speakers

VANCOUVER INSTITUTE

Dean F. H. Soward will be the first speaker after the Christmas holiday in the current Vancouver Institute lecture series given in the Buchanan building on Saturday evenings. His annual review is a popular feature in the series of free lectures which have been sponsored by the Vancouver Institute since 1916.

January 6—Dean F. H. Soward, dean of graduate studies, U.B.C., "1961—A review of international affairs."

January 13—Dr. A. D. Scott, professor of economics, U.B.C., "River basins—national pawns or international wealth?"

January 20 — Panel: Mr. Alex MacDonald, M.L.A., Dr. John Davis, research director, B.C. Electric Co. Ltd., Miss Margaret Gourley, department of welfare services, Vancouver. "Unemployment—temporary stimulus or chronic evil?"

January 27—Professor Anthony Emery, assistant professor of history, Victoria College. "Surrealism —buried joke or historical issue?" Illustrated.

February 3—Miss Julia Henderson, director, bureau of social affairs, United Nations. "Are we our brother's keeper? The United Nations programme of social development.

February 10—Mr. Walter Gordon, chartered accountant, Toronto, former Royal Commissioner. "Canada's economic prospects—a Royal Commission in retrospect."

February 17—To be announced.

February 24—Professor George Volkoff, head, department of physics, U.B.C., "Nuclear magnetic relaxation" (Songs of an Atomic Nucleus.)

March 3—To be announced.

March 10—Dr. Alvin M. Weinberg, director of Oak Ridge National Laboratory, "Scientific organization—its impact on contemporary society."

March 17—To be announced.

HOMECOMING

(Impressions of a not very venerable grad)

By

Allan Fotheringham

A not-very-venerable grad's impression of a Homecoming Saturday afternoon at U.B.C. Stadium:

There seems no defence against progress, youth, etc. Thunderbirds, 1961 version, inescapably a bigger, faster football team if perhaps not so colourful as the Dougie Reid, George Puil, Cece Taylor brands of some years ago . . . but it is not the husky youths on the field who make one feel old . . . it is the young cheerleaders . . . incredibly young and impervious as ever to the autumn blasts and chills . . . in response to their charms, the student section, ignoring the gallants on the field, has a yell new to these ears: "We want a cartwheel . . . we want a cartwheel . . ."

Sudden impression on looking over the grads section: the majority are in the 40-and-over bracket. Where is the 25-to-40 group? . . . or is there a time reached when post-graduation disinterest in the Homecoming swirl evolves into a nostalgia-cum-guilt feeling . . . a middle-age return to the educational womb?

Reassuring touchstone with the past: the sonorous baritone of Luke Moyls on the p.a. system . . . a link between grads for 16 years.

Sociological, status-symbol, sign-of-the-times etc. note: Homecoming Queen and court, instead of marooned on backs of large, chrome-plated convertibles, sit cosily in sports cars. Conclusion: a gain for student rebellion against Detroit; a loss in elegance for campus queens . . . second conclusion: it must be difficult to make an impression on campus with a Cadillac these days.

Halftime arrives . . . Engineers announce they will present a satire on B.C. Lions . . . first thought: *can* Lions be satirized? . . . doubt it . . . have saturated the market themselves . . . second thought: isn't there anything more worthwhile to satirize at Homecoming than a professional football team? . . . not very funny at any rate . . . Engineers never noted for subtlety.

Attendance about 5,000 . . . same as 10 years ago . . . since then university has left Evergreen Conference, in whose schools grads had little interest, to compete against universities of Alberta and Saskatchewan . . . seems to have elicited little more interest from grads . . . reluctant conclusion: U.B.C.'s dilemma is geographical . . . lacks natural rivalries with other institutions . . . in terms of miles is as isolated as universities of Alaska and Hawaii . . . how to overcome isolation? . . . left Stadium pondering problem.

Toronto Graduate appointed

Dr. John Barfoot Macdonald has been appointed President of the University by the Board of Governors to succeed President MacKenzie on July 1, 1962.

Dr. Macdonald was born and educated in Toronto, and graduated from the University of Toronto with a dental degree in 1942. He holds a master's degree from the University of Illinois which he received in 1948. In 1953 he was awarded a Ph.D. in oral microbiology by Columbia University.

After serving with the Canadian Dental Corps he was in practice in Toronto after the war. He joined the faculty of the University of Toronto in 1951 and became chairman of the division of dental research. In 1956 he went to Harvard University as professor of oral microbiology in the dental faculty and headed the Forsyth Dental Infirmary there.

Dr. Macdonald visited the campus in 1956 to make a report on dental education and the need for a dental faculty at U.B.C. He returned this year to bring his report up to date. Considered a model of its kind, it was published this fall.

THUNDERBIRDS THRILL HOMECOMING CROWD

By

U.B.C. Athletic Director

Bus Phillips

Frank Gnup's "Thunderbirds" revenged two stunning defeats of last season by tying Alberta "Golden Bears" in the first game this fall, and at Homecoming, before a magnificent crowd of students and alumni, managed to defeat the Alberta team 13-6 in one of the best football games ever played in U.B.C. Stadium. The 'Birds, having defeated Saskatchewan 35-22 in Saskatoon, clinched the Hardy trophy, and won a chance to play in the annual Churchill cup game, the details of which have yet to be finalized.

At the annual meeting of the Western Canadian Intercollegiate Athletic Union, which was held in May at Edmonton, the University of Manitoba informed the Union that it was unable to meet the conditions of membership for full participation in championship competition. This decision has had the effect of placing their competition in the men's programme on an exhibition basis only, until such time as they find it possible to enter a full programme of activities, including football.

It is possible that new and growing Calgary branch of the University of Alberta will apply for membership in the Union, as soon as their athletic facilities are completed. They expect to field a football team in 1962, with an exhibition schedule, and by 1963 will probably be ready to take on all three Conference teams.

In the conference meet at Saskatoon in October, U.B.C. men's and women's tennis teams carried away the trophies, and men's golf team won the championship by 24 strokes.

Big Year Ahead in Sports

January 19 and 20th—The Harlem Globetrotters return to the Campus, bringing with them a host of entertainers, including Cab Calloway and his band. Amateur basketball benefits, when U.B.C. and the Vancouver Basketball Commission share the receipts.

February 1st—The University of Alaska Basketball team will play an exhibition game at U.B.C. against the "Thunderbirds." This is the beginning of a home and home series, which will see the 'Birds travel to Fairbanks in 1963.

February 7th—Basketball—The University team will host the National Basketball team of Peru in an exhibition game in the Memorial Gym.

February 16 and 17th—Ice Hockey—University of Saskatchewan "Huskies" play two games—one at Kerrisdale Arena and the other at Chilliwack.

February 23 and 24th—Swimming—The W.C.I.A.U. Championships at Percy Norman Pool. Alberta is the defending champion.

March 3rd—Gymnastics—The Pacific Northwest College Meet will be held in the Memorial Gymnasium. Top gymnasts from U.B.C., University of Washington and Washington State University will participate.

March 22nd—Rugby—The B.C. Rugby Union has arranged a series of matches for the New Zealand Universities team, and U.B.C. will play a Thursday noon game in Varsity Stadium.

March 29 and 31st—Rugby—The University of California will attempt to wrest the World Cup away from the "Thunderbirds" in the final two games to be played in Vancouver.

Faculty of Graduate Studies affiliate

EARTH SCIENCES INSTITUTE ESTABLISHED

Dr. John A. Jacobs

Establishment of an Institute of Earth Sciences at the University of British Columbia was announced by U.B.C.'s president, Dr. N. A. M. MacKenzie.

Dr. John A. Jacobs, professor of geophysics at U.B.C., has been appointed director of the Institute which will be affiliated with the faculty of graduate studies.

The Institute presently has 15 graduate students doing advanced work in the field of geophysics. In the past four years more than $200,000 has been received by the University for work in this field.

Grants have been received from the Canadian Exploration Company, the National Research Council, the Defence Research Board, the Geological Survey of Canada, the American Petroleum Institute, the U.S. Office of Naval Research, the Petroleum Research Fund and the California Research Corporation.

Dr. Jacobs said the Institute is presently carrying out work in the fields of geomagnetism, which is the study of the earth's magnetic field; nuclear geology, or the determination of the age of rocks and problems relating to the origin of ore bodies; seismology, which is the study of the detection and prediction of earthquakes; and glaciology.

In the latter field teams of U.B.C. scientists have visited the Athabaska glacier on a number of occasions to determine its age and movement.

In the future, work in all these fields will be extended, Dr. Jacobs said.

Dr. Jacobs has been professor of geophysics at U.B.C. since 1957. Born in England, he was educated at the University of London which awarded him the degrees of bachelor and master of arts and doctor of philosophy.

For his contributions to geophysics the University of London this year awarded him the degree of doctor of science.

Before coming to U.B.C. Dr. Jacobs lectured at the University of London and the University of Toronto. He is a member of numerous professional organizations and has published more than 50 papers on geophysics.

Last summer Dr. Jacobs was invited to give two papers at an International Symposium on Cosmic Rays and the Earth Storm held at Kyoto, Japan.

Animal fertility research at U.B.C.

University of British Columbia scientists have begun a long-term research project to discover what substances in certain B.C. plants and trees possess antifertility properties for animals.

Dr. Warren Kitts, who heads the project, has received a grant of $6,200 from the Population Council Inc., of New York, a non-profit organization founded in 1952 to encourage research and education concerning the relation of the world's population to its material and cultural resources. The Council distributed $681,000 in grants in 1958 and receives its funds from a number of sources including the Ford and Rockefeller Foundations.

The problem which Dr. Kitts will investigate has troubled B.C. cattlemen for some time but no reliable statistics exist to indicate the number of cases in any one year.

All that is known is this: if browsing female cattle eat such things as yellow pine needles, or certain forage crops, the result is an interference with conception or, if conception does take place, the animals may abort.

Dr. Kitts, who is an associate professor of animal husbandry in the Faculty of Agriculture at U.B.C., has been engaged in other research problems over a period of four years that have resulted in the development of techniques for extracting the chemicals from native B.C. plants.

"Our problem now is to fractionate or separate the substances and then describe them fully," Dr. Kitts said. Two methods are being used by the scientists to trace the effect of the chemicals.

In the first method radioactive isotopes are injected into experimental animals to trace the action of the chemicals on the theory that they may affect the thyroid gland. If the thyroid fails to function normally, the result could be an interference with conception, the natural growth of the foetus, or abortion.

The second method being used is the microscopic study of tissue taken from the reproductive organs of female animals to see if the tissue is altered in any way by the chemicals.

Lectures in England on Microwave Electronics

Dr. George Walker, MA(Glasgow), PhD(London), research professor in the department of electrical engineering at the University of British Columbia, has been in England as visiting professor to four British universities under a scheme sponsored by the British Council.

Dr. Walker gave lectures at the Universities of Oxford, Cambridge, London and Sheffield on research work in the field of microwave electronics which is being carried out at U.B.C. by a group under th direction of Dr. Walker.

While in England Dr. Walker read papers at the International convention on Microwave Techniques in London September 6 and at a symposium on millimeter wave generation sponsored by the British Admiralty on September 18 in Sheffield.

Dr. Walker also visited government departments and industrial establishments while abroad.

New Publications Centre

University now publishes two quarterlies

In August 1961 U.B.C. set up a Publications Centre in the Auditorium mainly as the editorial and subscription offices for U.B.C.'s two quarterly journals, *Canadian Literature* and *Pacific Affairs*. In addition, however, the centre will handle the publishing of certain other books published under the auspices of the University. At the present time the bulk of the titles making up the list handled by the centre are those taken over from the former Institute of Pacific Relations in New York. Its research and publication programme over the past 35 years concentrated on the political, economic and social problems of the countries of Asia and the Pacific. Some of the important studies are now available through the U.B.C. book store.

Two Quarterlies

Of the two quarterlies handled by the Publications Centre, *Canadian Literature* is familiar to the readers of the *Chronicle* (see Autumn, 1961, number, p. 19). Now in its third year, the journal was founded by the University in 1959 and has become well known as the leading journal devoted to the critical, historical and biographical analysis of literature in Canada and each issue reviews new Canadian books.

The other quarterly published by the University is the internationally known journal, *Pacific Affairs*. Now in its thirty-fourth year, *Pacific Affairs* was taken over by the University in 1961. Its field is mainly contemporary economic, political, social and diplomatic problems of eastern and southern Asia, the south Pacific and the relations of North America with Asian countries. In the first issue published at U.B.C. (Spring 1961), President MacKenzie wrote: "This quarterly during thirty-three years of its existence has become the best of its kind in the English language. It has provided outstanding service to scholars as well as to government and private citizens in providing information on countries bordering on the Pacific or having interests therein . . . it will, I am sure, not only add to the prestige of the University of British Columbia and to Canada but will also provide an appropriate agency to keep together those persons and organizations in many countries who are interested in the affairs of Asia and of the Pacific."

Recent articles include: Peking in world politics by Howard L. Boorman; South Viet-Nam: lavish aid, limited progress by Milton C. Taylor; The role of government corporations in the Philippines by R. C. Milne; Organized interests in Japan and their influence on political parties by Frank C. Langdon; Some problems of Shang culture and institutions by Ping-ti Ho; Indonesia's eight-year development plan by Guy J. Pauker; Some crucial issues in Thailand's economic development by Eliezer B. Ayal; The Sino-Burmese boundary treaty by Daphne E. Whittam; Some lessons of Japan's economic development by M. Bronfenbrenner; India's planning and foreign aid by Daniel L. Spencer.

Pacific Relations Books

Among the books are two important forthcoming studies. *Indonesian Economics:* The Concept of Dualism in Theory and Policy, to be published in January, is a symposium of thirteen articles by prominent Dutch scholars, analyzing and challenging the concept of "economic dualism" as developed by the late Dutch scholar, J. H. Boeke, in his works on Indonesian economy. It will be of interest and value to those concerned with the economic problems of the developing countries of the non-Western world.

Agenda for International Training, the proceedings of the seminar held at the United Nations Regional Training Centre here in August 1960 will be published early in 1962. It is edited by Albert Lepawsky, former director of the centre and now professor of political science at the University of California, Berkeley.

Recent studies include *Le Viet Minh* by Bernard B. Fall, a study in French of the origins and events leading to the formation of a Communist regime in North Vietnam after the withdrawal of French forces. It is by a scholar who was in a position to make on-the-spot observations and collection of materials.

Thought Reform of the Chinese Intellectuals, by Theodore E. H. Chen, is the first detailed study of the Communist programme of "idealogical remoulding" and the treatment of intellectuals in Communist China. It is based on careful examination of the indoctrination programmes, the confessions and numerous reports on intellectuals published in Communist China. The author is professor and head of the department of Asian studies at the University of Southern California.

The Governance of Modern Burma, by the late J. S. Furnivall, is a most illuminating analysis by the well-known British scholar, long adviser to the government of Burma, of the political and governmental developments in this new nation of Asia.

For further information on any of these publications or a book-list, write to the Publications Centre, Auditorium 306, at the University.

Researchers begin U.S.-Sponsored Study

Two scientists in the department of biochemistry at the University of British Columbia have begun a long-term research project supported by a grant of $74,461 from the public health service of the Department of Health, Education, and Welfare of the United States government.

They are Dr. Gordon Tener and John Vizsolyi, who were both members of the world famous group at the B.C. Research Council headed by Dr. Har Gobind Khorana, who revealed in 1959 that Coenzyme A had been produced synthetically in the Council's laboratories at U.B.C.

Dr. Khorana left the Council in September, 1960, to become a director of the Institute for Enzyme Research at the University of Wisconsin.

Dr. Tener, who joined the U.B.C. biochemistry department in April, 1960, plans to add a third person, a post-doctoral research student, to his current team, which will study the biochemistry of nucleic acids, the basic genetic material for all living things.

Every living cell contains a fixed amount of nucleic acid, Dr. Tener explains. The nucleic acid is made up of nucleotides which are strung out like beads on a string.

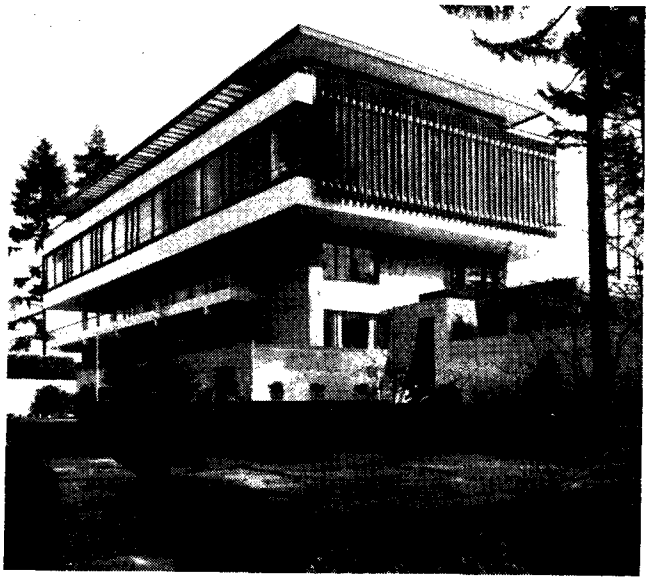
The sequence of nucleotides is actually a code which determines the form of life which will result from the lowest to the highest. In man, an additional function of the nucleotide sequence is the determination of such things as the color of hair and eyes.

Certain nucleotide sequences are common to all individuals, Dr. Tener says, but the lack of specific sequences is thought to produce various diseases such as certain types of anemia and mental deficiencies. Another sequence undoubtedly endows an individual with the qualities of genius.

Dr. Tener and his associates will attempt to discover exactly what sequences are necessary to produce various individual characteristics. "Our first project," he says, "will be to develop techniques for removing the nucleotides, one by one, from the nucleic acid chain." Then will begin the process of identifying and analysing them and finally attempts will be made to correlate the sequences of nucleotides with genetic observations.

Since there are known to be about 20,000 nucleotides in any one nucleic acid chain, Dr. Tener expects that even the initial phases of the project will occupy him for some years to come.

The work being carried out by the research team falls into the category of basic research which means that no immediate practical results are expected aside from the expansion of knowledge. However, geneticists and cancer researchers will be watching the experiments closely since the results may give clues to work being done in their fields.



THEA KOERNER GRADUATE CENTRE WINS MASSEY MEDAL

THEA KOERNER GRADUATE CENTRE, officially opened May 24, has won the Massey gold medal for the outstanding piece of architecture completed in Canada during the past three years.

The Massey medals for architecture are awarded every three years by the Massey Foundation established by the Right Hon. Vincent Massey, a former governor-general. The first awards were made in 1950. A total of 315 projects were entered in this year's contest from which 100 were selected for consideration. Judges were Pietro Belluschi, dean of architecture at Massachusetts Institute of Technology, John Bland, director of the school of architecture at McGill university, and Peter Thornton, Vancouver architect.

Built as a meeting place for full-time graduate students registered in the rapidly growing faculty of graduate studies, the graduate centre was made possible by a gift of $400,000 to the U.B.C. Development Fund through the Leon and Thea Koerner Foundation and is a memorial to Dr. Koerner's wife who died in 1959.

"It is both desirable and essential that these young men and women who will provide leadership in the sciences, industry, government, teaching and research, should have facilities where they can meet and exchange ideas."

—President MacKenzie

The centre is located in a wooded area to the west of the Faculty Club. The main approach is from the south through a tiled plaza with a pool and a fountain sculpture by Jack Harman. The slab of the plaza extends through the building and allows the beautiful view to the north to be enjoyed from every point. It also serves to separate the upper storeys, for formal functions and quieter pursuits, from the lower recreation areas.

The structure reaches out into the surrounding landscape with walls, screens, terraces and massive planting boxes, to provide various outdoor areas, wind screened covered places for rainy days, tiled formal courts, and intimate gardens.

Unity with inexpensive materials was achieved by using only concrete and wood on the exterior. The bushhammered massive concrete areas at the bases are contrasted with rough cedar sun louvres and fascias.

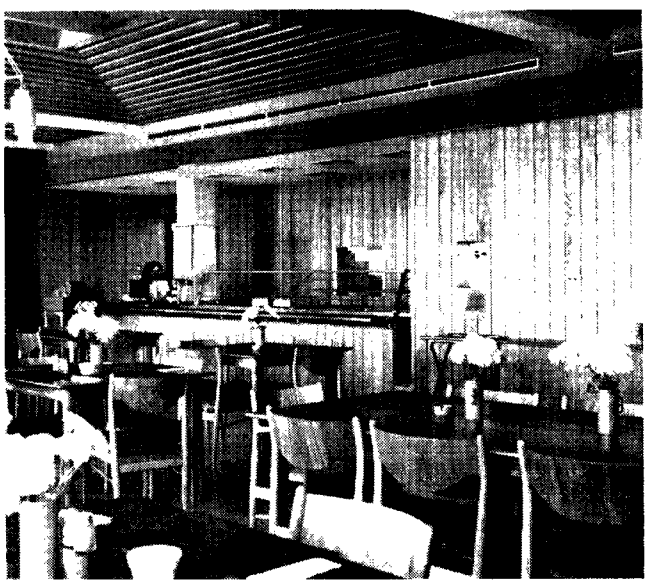
The interior surfaces feature native hemlock panelling and plaster. The use of wood in the ceilings of the main rooms has added an atmosphere of quiet and tranquillity. Besides a large lounge, a dining room and a library on the floor above the entrance, there are committee rooms and offices and on the lower floor of the building a cafeteria, which can also be used for moving picture projection, opens out onto a terrace and a small enclosed garden.

The penthouse and some parts of the lower floor are occupied by Dr. Koerner and his staff.

The architects for the Thea Koerner graduate centre were Thompson, Berwick & Pratt, who have been the university architects since 1912. C. E. (Ned) Pratt was the partner in charge and associated with him was Peter Kaffka. Zoltan Kiss, BArch'51, was the project architect.

Mr. Pratt received the award at a ceremony at the National Gallery in Ottawa on November 2. His firm was also awarded one of the 19 silver medals for the Commons Block in the new residence development on Marine Drive. The medals were presented by His Excellency, Major-General George Vanier, the governor-general.

Lounge. Painting on end wall is by Joe Plaskett, BA'39



Dining room Danish furniture is used throughout the centre

A Modern Joust

Once upon a time, about eleven years ago, a battle-scarred veteran made his very first foray in two years at the University into the forbidding stone library and with studied bravado passed his loan slips to a little brown lady. She scurried into the stacks and returned with seven of the ten books and apologized for not having found the three others. "That's all right," quoth he, "I only wanted to sample each of them anyway." Shocked by his cavalier attitude, she drew a verbal sword; forgetting the knightly code, he then drew one too. Across the counter they battled until magic words sent him reeling, paralysed: "You don't want an education! You want ice cream—you don't have to work at eating that." Though the little brown lady probably does not remember the incident—for she has no doubt had many such battles—she had tossed the man a challenge, the most potent he was to have in seven years.

At that moment, however, she was transformed by her own outburst; he was bewildered by the truth of it. In a trice they recognised honesty, one in the other, and although they did not marry, they lived happily as good friends ever after.

G.R.E.

MABEL LANNING RETIRES

"I SUPPOSE YOU'RE the best known woman in the province," said a U.B.C. student conductor to Mabel Lanning, as we boarded an old No. 15 street car back in the depression days. Since 1926 Mabel Lanning has served nearly 100,000 students from the central loan desk in the Library.

Does this figure surprise you? Remember that besides the students in the winter session there are the summer sessions for education and for the fine arts, extra-curricular and night classes, and extra-mural readers. They all borrow books and until the last year or so they all came to the central loan desk.

Mabel Lanning's connection with U.B.C. stretches back 47 years to 1914 when she entered as a student from Columbia (Methodist) College in New Westminster. After graduating in 1917 she returned to Victoria, her birthplace, to attend the Provincial Normal School and then began her teaching career in Cowichan Station where, characteristically, she made life-long friends. Nevertheless I doubt if Mrs. Harry Edgett of the Vancouver Public Library had much difficulty in persuading Mabel to forsake teaching for librarianship. It was at the University of Washington Library School from which we graduated in 1926 that I first met Mabel and Roland Lanning, her brother. They returned to Vancouver to join the U.B.C. staff that fall when Mabel replaced Gwyn Lewis, Arts'21, who went to the Vancouver Public Library and Roland took over the Periodicals from Alice Scott who resigned to marry Professor George Spencer of the department of zoology.

One professional task which she has supervised for many years is the annual inventory of the library collection. In her last report on the work of her division

Miss Lanning
Head, circulation division, Library
at her familiar post. Equally familiar
is unconscious gesture of smoothing hair

she spoke modestly but with evident pride on the satisfaction of completing the inventory and of being able to report definitely to inquirers on every book. Very few libraries of our size know the state of their collections as accurately as we do, thanks to Mabel Lanning's regular inventories.

During her professional career the University has grown from a small institution of three faculties and 1,984 students to ten faculties and 18,477 students, and the library collection from 60,000 volumes to something over half a million. Just as a photograph of the Library has symbolized the University to the public, so the name Mabel Lanning has been synonymous with the Library to students. She it is for whom they always look when they revisit the campus. The graduating class of '54 paid their tribute by electing her their honorary vice-president.

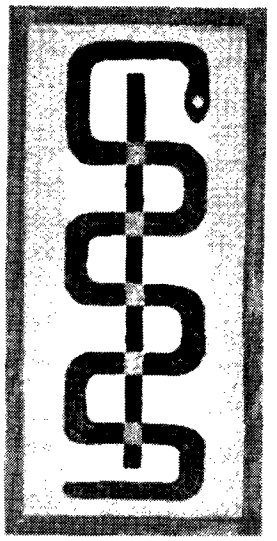
Known to generations of students over the loan desk, she has served them devotedly. Nothing was ever too much trouble to help a student in distress. Running up and down five flights of stairs because, by some sixth sense, she could locate a misplaced book needed by a freshman when no one else could, she has never spared herself hard physical labour. For it is a matter of pride with her that the inquirer obtains the book he requests as soon as it is humanly possible. Although sometimes seemingly severe—or so the students who lost their books or returned them late might think—in reality no one has a softer heart. For many years it was Miss Lanning who gave up her Easter weekend to keep the Library open in order that students might have a quiet place to study before the final exams.

Like the students, former members of the library staff make a point of seeing her whenever they visit the campus. To an unusual degree she has inspired personal loyalty from her assistants, many of whom have since achieved academic distinction. Dr. Harold Gibbard (Arts'32), her first student page, and now head of the department of sociology at an eastern American university, always pays his respects when he returns to Vancouver. Ex-library staff members scattered throughout the world retain their link with U.B.C. by corresponding with Miss Lanning whose letters with charm, humour and a deft turn of phrase, give all the news one longs for but so seldom receives in today's hasty scrawls. As an added pleasure, she writes not only a legible but an attractive hand.

Mab, as she is affectionately known to her family and friends, has introduced me to many authors who write with style but whose works never have been, nor will be, on a best seller list. They are frequently low keyed, but with a gentle humour which is pleasant after the violence or slickness of today. Other interests are the Audubon tours, the Symphony, the Friends of Chamber Music and B.C. Indian design and artifacts. Knowing her interest, the library staff at a tea in her honour on October 31 gave her a silver brooch and bracelet designed by Bill Reid, grandson of one of the most talented Haida carvers, and famous for his jewelry using Haida motifs. A parchment scroll accompanied the gift, giving the Indian legend on which the design was based, recorded by Mrs. Audrey Hawthorn, and lettered by Helen Allan, Arts'57.

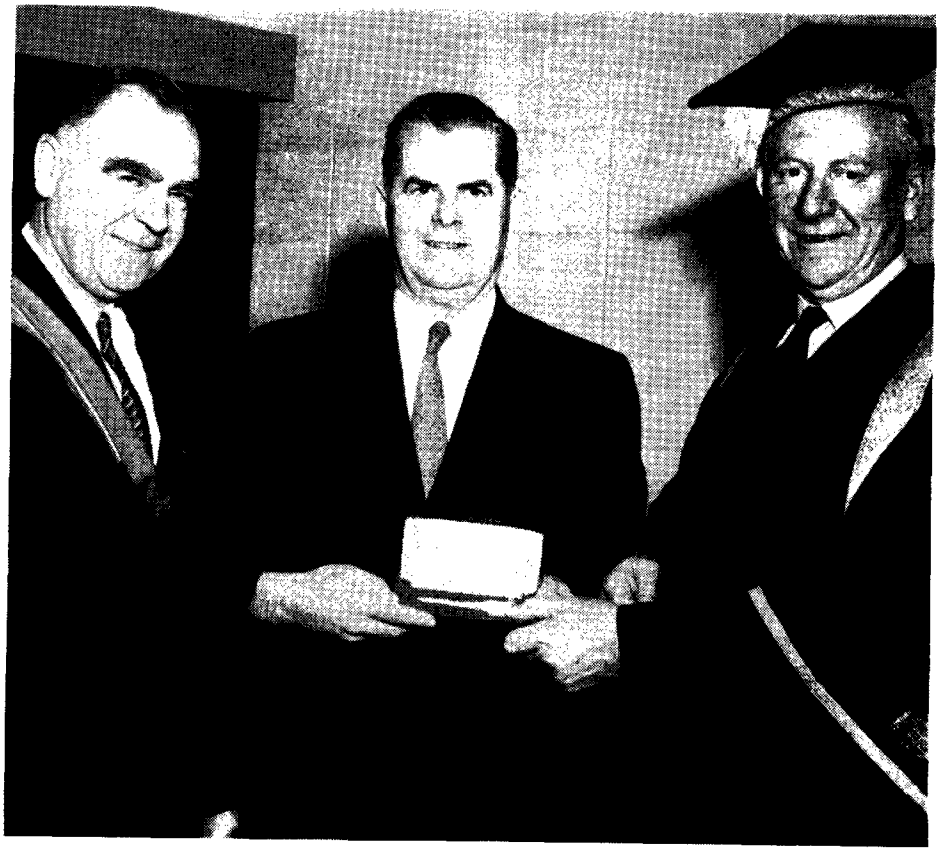
Mabel Lanning retired officially on October 31, but she may be back next spring on a less arduous schedule.

ANNE M. SMITH, BA'21



Staff of Aesculapius.
Symbol for Medicine on
Lionel Thomas' mural, Brock Hall.

SPECIAL FEATURE



Dean McCreary
Premier Bennett
President MacKenzie

Research

Undergraduate Medical Education

Medical Care - Where are we going?

U.B.C. Plans Today for Tomorrow's Needs

THE FACULTY OF MEDICINE

THE FIRST THREE permanent buildings for the Faculty of Medicine on the Point Grey campus were officially opened by Premier W. A. C. Bennett on Friday, October 27, 1961, the day after Fall Congregation.

To celebrate the occasion the University had conferred honorary degrees on the first dean of the Faculty of Medicine, Dr. Myron Weaver, and on Dr. G. F. Amyot, the provincial deputy minister of health. Dr. Weaver was dean from 1949 to 1956; thanks to his quiet, intelligent policy-making the medical school was set up on sound foundations. Dr. Amyot, who retires this year, has been deputy minister of health since 1949.

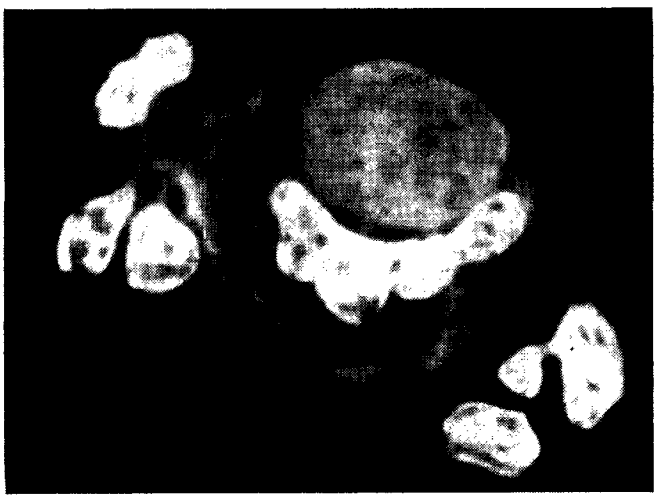
Block A, Block B and Block C, Basic Medical Sciences, the buildings just completed, stand apparently haphazard and back to front in the field across University Boulevard from the War Memorial Gymnasium. They are in fact carefully located to fit in with the projected Health Sciences Centre, a complex of medical buildings including a University hospital which will extend in a southerly direction.

These are the buildings that outstanding consultants in medical education, called in to advise the University before the school of medicine was started, unanimously said should be built, together with a University hospital, before teaching began. Because of lack of funds and the overwhelming pressure to start medical teaching the permanent building programme had to be deferred.

Now, with the first great step in providing permanent buildings taken, the generosity of Mr. and Mrs. P. A. Woodward has made possible the next step. A gift of $250,000 to the University of British Columbia from Mr. and Mrs. P. A. Woodward's Foundation was announced this fall by President N. A. M. MacKenzie. The gift will be used to provide for a bio-medical library on the site and will enable detailed planning to go forward without delay. The library in the plan for the Health Sciences Centre juts out into the open space between the three new buildings, and with the offices of the school and common rooms for faculty and students will be attached to the broad base of the projected hospital.

The development of a medical school is a major undertaking at any time. A minimum of twenty-five years is required to build up the facilities and the staff for a truly productive faculty of medicine. But Dean McCreary foresees a revolution in medical teaching within the next ten to fifteen years. With the co-ordination of health care has come the revolutionary concept of the education of the health team trained as a team in the same environment.

This is the concept behind the planning of the Faculty of Medicine's Health Sciences Centre.



Abnormal blood cell (L.E. cell) magnified 2000 times as seen under the fluorescence microscope. Demonstrated by a new method specific for nucleic acids (D.N.A.) devised in the department of pathology at U.B.C.

RESEARCH

AFTER ELEVEN YEARS in Army huts, the departments of anatomy, biochemistry, physiology, pharmacology and pathology are now adequately housed, and research in the pre-clinical departments will be able to go ahead once again. Dr. Noble's Cancer Research Centre, a unit of the National Cancer Institute, shares Block B with the anatomy department, and Dr. Gibson's Kinsmen Laboratory for Neurological Research occupies the top floor of Block C which also houses pharmacology and research in pathology.

In Canada research grants are provided from various sources of funds for specific research projects. An individual on the staff of the University may decide to study some problem such as arthritis. If he presents a reasonable plan of study his project will compete with projects from other medical schools all over Canada for the limited funds available for research. The application will be sent to several experts in the field for their opinions. If the project is considered to be worthy of support, the grant is approved and the investigator will be able to pay the salary of technicians, he will be able to buy certain types of equipment and supplies. His own salary and those of other senior investigators cannot be paid under research grants. Space in which research is to be done cannot be built from grants. These are considered the nucleus which must be provided from local sources of funds. Thus some measure of the development of any school in research lines can be obtained from the amount of money which has been made available to it for grants.

Chiefly because of the calibre of the research men

Baby having his blood pressure taken at Health Centre for Children. Discovery that a low blood pressure was associated with unsolved respiratory disease in premature infants had to await development of special technique for taking blood pressure in newborn infants.

Picture by Bill Cunningham, Province

who have been attracted to the new school, and in spite of the lack of facilities, the University of British Columbia in 1960 was already third in the field of medical research among Canadian medical schools. Taking only national sources of funds, Medical Research Council, federal health grants, Defence Research Board funds, National Cancer Institute of Canada, Canadian Arthritis and Rheumatism Society, National Heart Fund, Muscular Dystrophy Society, and others of this sort, research grants in medicine for U.B.C. totalled over $600,000. McGill University was very considerably ahead, and the University of Toronto significantly ahead of U.B.C. The remaining nine medical schools across Canada do considerably less research than the first three.

The total from all sources is over $1 million. Neuro research is supported by a $75,000 Kinsmen grant, and the Cancer Research Centre by a $600,000 grant from the National Cancer Institute of Canada.

Among research projects are the control of high blood pressure, diseases of the heart and blood vessels, diseases of children and of the aging population, biochemistry of mental illness and the effect of drugs on the nervous system.

Others are fundamental studies of the chemistry, physiology and pharmacology of skeletal muscles, heart muscle, connective tissue, blood vessels and nerves; studies related to diagnosis and treatment of metabolism disorders, kidney function, kidney transplant, breathing distress in the newborn, epilepsy, gout and rheumatoid arthritis.

The Canadian Arthritis and Rheumatism Society has lent substantial support to the establishment of the school of rehabilitation medicine.

The Faculty of Medicine has built up a very significant research programme. However, it is an unbalanced programme, with the majority of the research work being done in the pre-clinical departments. The G. F. Strong Laboratory for Medical Research housed in the Faculty of Medicine building at the Vancouver General hospital, with Dr. Kenneth Evelyn as director, provides facilities for medical research conducted by members of the staff of the Faculty of Medicine and other qualified persons.

But it is virtually impossible for the clinical departments to undertake to evaluate methods of treatment on wards in which patients are treated by many different physicians. Thus the people of British Columbia are not receiving full value in terms of improved methods of treatment for the investment they have made in the Faculty of Medicine. Such research as is attempted in the clinical areas also has the effect of lengthening the patient's stay in hospital and of increasing costs. The wisdom of the original consultants has become more obvious and the need for a University hospital of relatively small size, to undertake the evaluation of methods of treatment (besides the teaching in the early years of the medical students' training), has become increasingly clear. Further progress in the Faculty of Medicine cannot be made until such time as this facility is available.

UNDERGRADUATE MEDICAL EDUCATION

EACH YEAR sixty students enter their first year of medical training.

Forty-four of this year's class are B.C. residents and four are from the rest of Canada. Five are from China, four from the West Indies, and one from the United States. There are two Colombo Plan students from Malaya. The seven women in the class are all British Columbians.

Students from other nations provide a healthy leavening in the group. Some fifteen of the sixty places every year are usually open to applicants from any country in the world regardless of colour, sex or religion.

The students have all had at least the equivalent of three full years in an arts faculty, with a minimum of second-class standing. They have been chosen by a screening committee from about 300 applicants. Those who have taken their "pre-med" courses at U.B.C. have also been required to take the Medical College Admission Test of the Psychological Corporation of New York. The others are urged to take them. The candidate for the M.D. degree must be at least 21 years old. Prospective students over the age of thirty are not encouraged.

The object of all this screening is to make sure as far as is humanly possible that the student is fitted for the intensive and very expensive training.

The medical degree has become far and away the most costly of all degrees. After the required three years of arts and science, there are four years of medicine and one year of interneship before the individual can hope to have any financial return. If he wishes to specialize an additional four years are required. A prospective medical student at the end of his three years of arts and science faces an average cost of $2,000 a year for four years in medical school. In contrast, if he decides to proceed to a Ph.D. degree in any of the basic sciences he can obtain his B.A. in one further year, and thereafter he will receive sizeable grants and bursaries while studying for his Ph.D. In the United States the financial support which the average medical student obtains in his entire four years of medicine is less than the average science student receives each year. In Canada the situation is worse. Eighty-four per cent of all medical students depend largely on their parents' funds to put them through school. Only about twenty per cent of graduate students in basic science must depend to any degree upon parental assistance after they have received their baccalaureate degree.

This situation can be remedied only when government assists in medical education as it has in education of other scientists.

Curriculum

The students spend the first two years of the course, devoted to the fundamentals or pre-clinical medical sciences, mainly on the campus. During the second year instruction is transferred in part to the Vancouver General hospital, Shaughnessy hospital and St. Paul's

hospital. The third and fourth years, the clinical years, are spent wholly in those hospitals and in Grace hospital, the Children's hospital, the provincial mental hospital and G. F. Strong Rehabilitation Centre.

The curriculum has changed a great deal in the first eleven years. Most important, a beginning has been made in breaking down departmental barriers so that when teaching something as complicated as heart disease it is possible for it to be taught conjointly by anatomists, physiologists and biochemists as well as clinicians. There is still room for improvement which must await the addition of more completely trained staff to the departments.

The doctrine of the Whole Man

The student must think of patients first of all as human beings and have some knowledge of the fact that human beings have problems of one sort or another, even before illness strikes. Nowadays there is always the possibility that the student may be taught so much detail about the scientific aspects of disease states that he looks at the patient as a disembodied disease rather than a usually normal person with normal fears, problems and tensions who at this moment is indisposed.

To offset this danger certain experimental teaching exercises have been introduced such as the course called pre-clinical sessions, in the first year teaching programme. In this course each student is assigned to a family selected, with their permission, because they have young children or because a baby is going to be born into the family during the year of observation. They are normal families without any undue problems. The student, introduced to the family by a public health nurse, visits the family once every two weeks throughout the year, and attends with the other first-year students a group discussion every Saturday morning where they may have lectures from a sociologist on the history of medicine demonstrating the growth of doctor-patient relationship, or on the technique of interviewing. Later in the morning they meet in small groups with an experienced practising physician as tutor. These tutors in turn have found it necessary to meet together to find common strength from discussions on the direct questions posed by young minds not yet channelled into the usual responses of the physicians.

The school is trying now to assess this sort of teaching, to gain some inkling as to whether they have modified the attitudes of young men and women who are going to have great responsibilities for the care of other human beings.

Another experimental project is designed to intrigue those students who may have talents towards medical research. During the second year of medicine a full day each week is devoted to "Projects". Each student selects a research problem under the guidance of a member of the staff, either of pre-clinical departments or in the clinical fields. He continues this project throughout the year and writes a report at the end. It is only the student or physician who has actually participated in research himself who is completely aware of the tremendous effort and patient toil which are exacted of an investigator who establishes even a very little new fact or a causal relationship. A few students seem to find themselves in this field during this experience in their second year and they will devote their lives to research thereafter. For the majority of the class, probably, the project day simply gives them an opportunity of learning something about the intricacies of medical research. For a few, particularly the individuals in the lower part of the class, perhaps the project day is a waste of time. Perhaps they would be better going over and over the tremendous amount of material which they must grasp before they can be graduated in medicine.

The whole experiment is being watched closely. The Dean believes that if the curriculum ever settled down into a firm and unchangeable routine a great deal of spontaneous interest and enthusiasm would be lost.

Class of 1954

In 1954 the first class was graduated. They were outstanding students, and forty-four were already bachelors of arts before entering medical school. They had been selected very carefully from a tremendous number of individuals who had wanted to enter medicine in the local medical school. Many of them were war veterans who were older than most of the students today.

Of the fifty-four graduates, thirty-one are now general practitioners and eleven are specialists. Two are Fellows of the Royal College of Physicians (Canada), and one is a Fellow of the Royal College of Surgeons (Canada). There are eleven now engaged in post-graduate work. One is with the department of veterans' affairs, and two are in the army, both doing post-graduate work.

Forty-three of the graduates are in British Columbia. All but one of the ten who are practising on Vancouver Island are general practitioners in Victoria, Chemainus, Nanaimo, Parksville, Alberni and Campbell River. The exception is an orthopedic surgeon in Victoria. On Salt Spring Island there is a husband-wife team practising as G.P.s.

In Vancouver and on the lower mainland there are fifteen general practitioners from the class. There are six specialists and five are carrying on post-graduate studies in pathology, psychiatry, radiology and ophthalmology.

In Alberta two of the graduates are doing post-graduate work in ophthalmology and surgery, in Ontario radiology and public health, and in the United States surgery and pathology. One general practitioner lives in Detroit, and three specialists are also in the United States.

MEDICAL CARE WHERE ARE WE GOING?

Condensed from lecture given by Dr. John F. McCreary, Dean of the Faculty of Medicine, to the Vancouver Institute early this year.

THE PHYSICIAN who brought an individual into the world, looked after his childhood ailments, assisted at the birth of his children, and maintained his helpful vigil over the family for two or three generations, is no more.

Consider what has happened in the last 30 years. The physician has been gathering to him more and more technical experts in biochemistry, haematology, physics and a variety of other related disciplines. More and more specialized equipment was evolved. More and more the hospital became the centre of medical care and the team approach to medicine actually was born.

Research in last 30 years

Since 1930, progress has been made on a broad front and in many fields. In that period of time, the modern concept of medical research has come into being, with financial support available. As a result, advances have almost exploded into being. In 30 years the life expectancy of a child newly born in Canada has increased from 50 to 70 years. More curative drugs have been discovered in the past 30 years than in the whole of the previous history of medicine. Research during these 30 years has given us antibiotics, has expanded many times our knowledge of the value and uses of blood transfusions, has made possible the daily occurrence of surgery of the heart and the lung, has led to notable advances in the field of anaesthesia in making such delicate surgery possible, has given us new methods of treating those with mental illness, has practically eliminated serious infectious disease, has given us the blood bank, the bone bank, the eye bank, the blood vessel bank, has made it possible to save lives with the artificial kidney, has shown us how to save premature babies, and how careful we must be of the eyes of these babies when we use oxygen, has given us Cobalt 60 Bomb therapy, has given us a potent weapon against poliomyelitis and is our tool in the fight against cancer. These are all practical effects of medical research.

Canada has contributed significantly to these advances. In addition to Banting's monumental discovery of insulin, we have seen developed in Canada over the last 30 years the isolation of hormones in the parathyroid gland, the pituitary body and the placenta, the introduction and use of anti-coagulants, the use of refrigeration in major surgery, the identification of the sex chromosome, the preparation of an artificial medium for the cultivation of mammalian cells, the discovery of the function of certain areas in the cerebral cortex, methods of surgical treatment of epilepsy, the discovery of the nature of certain diseases of the liver, knowledge of the variations in metabolism in health and disease and a host of fundamental discoveries which fit into the general pattern of scientific knowledge. These have been the returns on an investment of a great deal of effort and, until recent years, a very small amount of money.

Why, when medicine is so successful, are those who purvey it less respected than they were 50 years ago?

Medical profession today

Patients may complain of a harried individual, who does not appear particularly interested in their problems. It could be lack of time. The average citizen consults a doctor about twice as often today as he did 25 years ago, and the ratio of doctors relative to the population has increased very little (even to maintain that ratio we are not depending on the output of our own medical schools. We are not keeping up with our supply of physicians.)

The average physician, according to a study recently completed, works six 10-hour days each week and sees an average of 20 patients a day. One physician in three works seven days of 10 or more hours and sees 30-40 patients per day, and one physician in five works seven days of 12 or more hours and sees over 40 patients per day. No 40-hour weeks here.

To make matters worse, approximately one-third of all the illness in this country is believed to be psychosomatic in origin. Physicians' training, except in very recent years, has tended to concentrate on the correction of physical defects. The failure of the profession to treat this type of illness adequately is seen in the large

and increasing use of tranquillizers, in dissatisfied patients changing from specialist to specialist, and in the tremendous overload on our few psychiatrists.

Another factor is the physician's financial success. Because he is overworked and has had to see too many patients, his financial return has been very satisfactory, and the annual publication of the fact that physicians are frequently the highest paid of the professions has not helped to endear to patients a profession which, in their minds, is failing to provide for all their needs.

These are some of the factors that have modified the image of the old-time physician and friend. Still another factor has been his alleged refusal to accept some form of prepaid medicine, lest it interfere with his cosy financial situation. In Canada this is not true.

The policy of the Canadian Medical Association is directed to the finding of voluntary solutions—or governmental collaboration only if the voluntary medical plan is inadequate. British Columbia physicians have played a very active part in the studies in this field.

Sometime within the next few years a government-supported prepayment medical plan will likely begin to operate in Canada. There are two very real problems in setting up an adequate system:

(1) Safeguards must be built into the plan which will prevent the patient from over-using the services. If an undue amount of time is spent on the care of Mrs. Smith's head cold which will disappear anyway without treatment, then the scheme will detract from the total production of the profession to a serious degree. There are only so many medical man-hours. Besides the routine care of the sick in the community there are many areas of priority for medical effort in the future — rehabilitation, care of the aged, preventive medicine, medical research. The plan must not permit the energies of the profession to be directed into areas which will be unrewarding to the health of the nation as a whole.

(2) Equally, safeguards must be built in to prevent the physician from providing inadequate care to the patient, and the plan from providing more services than the patient requires.

Our system of hospitalization is costing us too much money. The expensive aspects of care are covered by insurance and there are overwhelming pressures to use these expensive facilities for other, less costly, facets of medical care.

New concept of medical care

Some correction of this defect was made in September 1960 by wise and far-reaching legislation when the provincial government announced support for the hospitalization of chronically ill patients. Representatives of government, organized medicine and of the Faculty of Medicine are now planning for the development of a province-wide system of rehabilitation facilities.

This will present a new problem. Elderly people constitute a heavy load on medical services and in British Columbia we have a much larger number now (10.8 per cent) than the average for Canada (7.7 per cent). In Vancouver, 13.7 per cent of the population is 65 years and over; in Victoria the figure is 19.6 per cent.

This legislation also poses a new challenge to medical education. Just 30 years ago the concept of prevention of disease rather than its treatment was new. Before it was universally applied it had to be taught to young physicians who carried it into practice. Now we must teach still another duty to the doctor. His task, in treating a patient, will not be completed when the illness is at an end. *It will not be completed until the patient has achieved and is using the maximum degree of productivity that is left to him.* Again this must be taught to young physicians who will carry it into practice throughout the province.

Medical health team

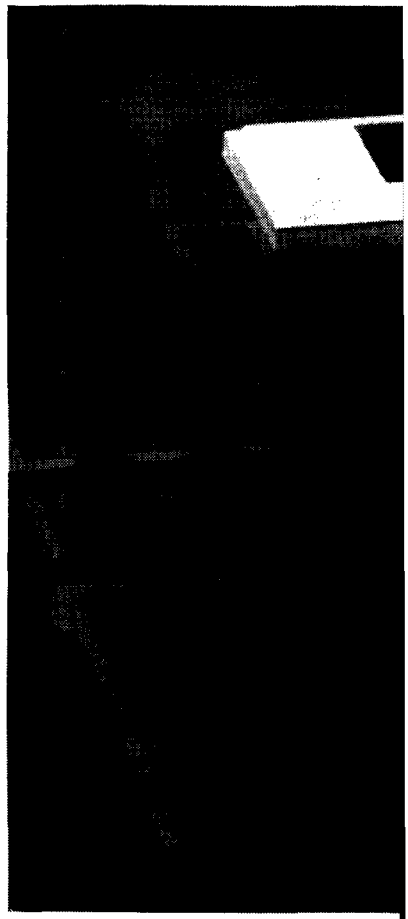
How can physicians keep up with their increased responsibilities? The major re-adjustmert which can be made at this time is to make more use of the other groups who work with physicians. The team concept of health care came into being in the past 30 years. It is still very much in its infancy. To be sure, nurses, social workers, psychologists, physiotherapists, occupational therapists, speech therapists, dentists, chemists, physiologists, bacteriologists, and others work in the health field. But the group is not a team in the true sense of the word. The individual sub-groups are educated in a variety of ways, with little contact during their undergraduate careers. It requires years of the group working together to break down the barriers of intolerance and even suspicion which tend to be erected during the undergraduate training period.

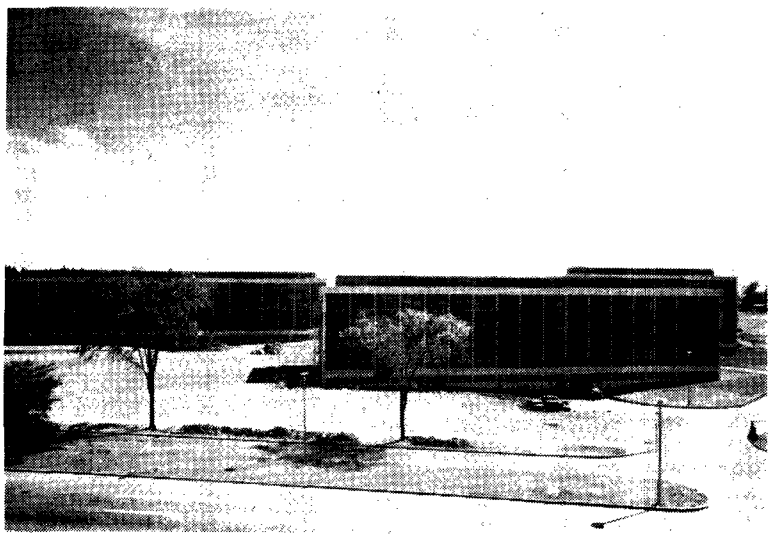
If a health team is to be produced, if the often unnecessary work done by the doctor is going to be distributed among others equally or more capable, the Dean says our educational pattern must be altered. It is anticipated that during the next ten or fifteen years every university in Canada will move towards this end. University hospitals of the sort that is so desperately needed here will act as laboratories in human biology to assist in the training of all members of the team. From the day of their registration the undergraduates in these various fields will study together, eat together, take lectures together. They will learn to respect and to accept the contribution which the other has to make. Then, and then only, will a health team truly emerge. This should be an effective method of spreading the medical man-power.

We are on the threshold of important new developments in medicine—new responsibilities in relation to rehabilitation and chronic care—new methods of organization as government participation in prepayment for medical care appears.

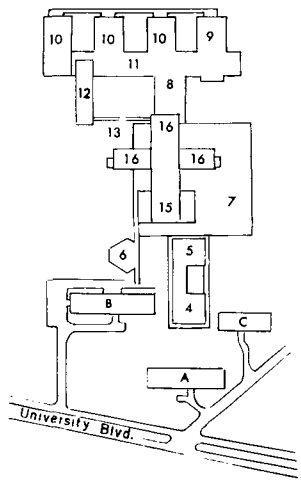
It is urgent and imperative that facilities be developed which will permit the teaching of the whole health team as a group which will share some of the tasks now falling on the physician. In this province this requires the development of a University hospital on campus to serve as a laboratory in human biology for the University as a whole. In addition government must be urged to support medical education in two ways: by providing grants to intellectually able students, and by producing the funds for the expansion of existing medical schools and formation of new ones.

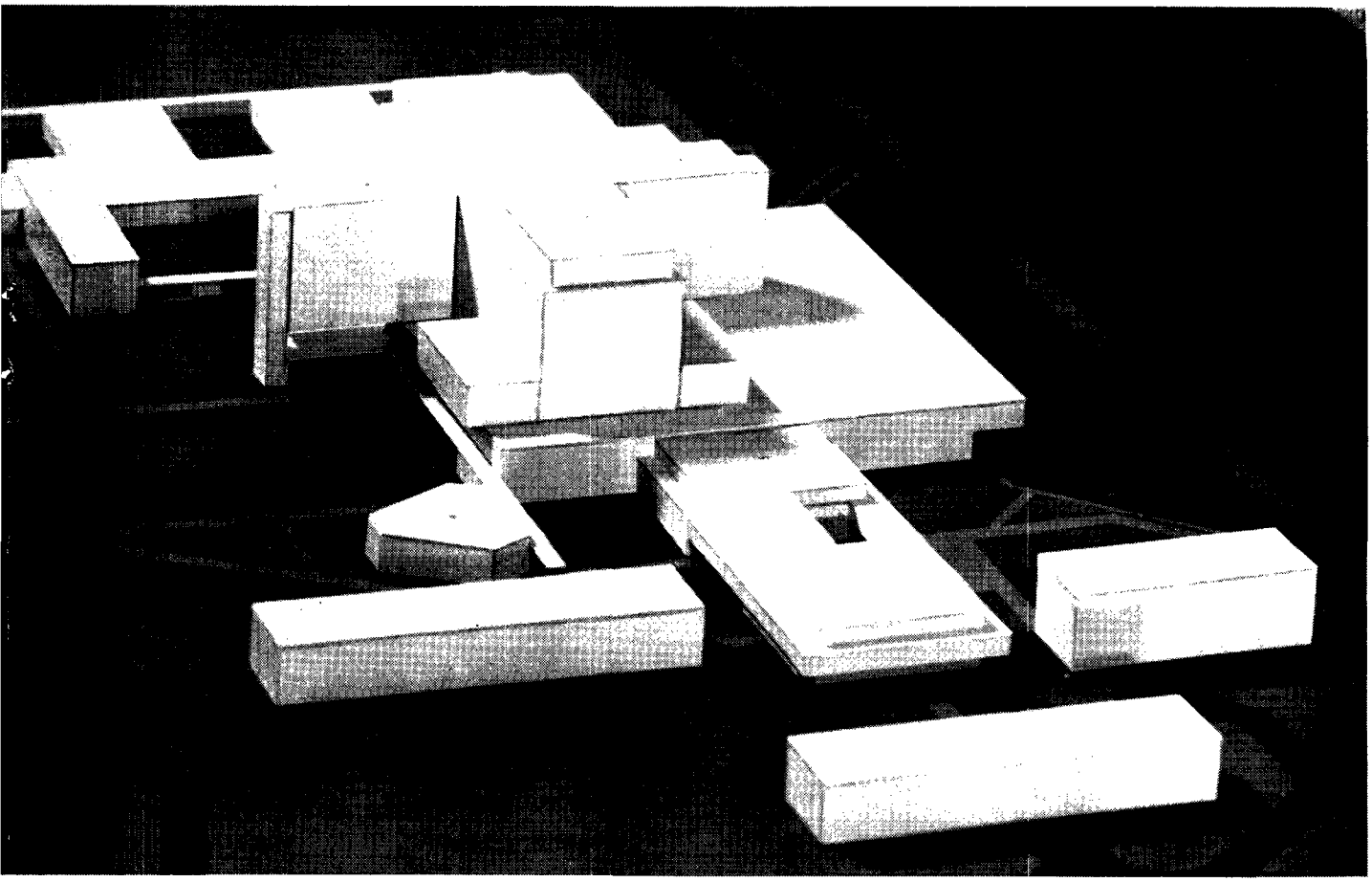
U.B.C. PLANS TODAY FOR TOMORROW'S NEEDS





A Block. Physiology and biochemistry
B Block. Anatomy and cancer research
C Block. Pharmacology, pathology & neurological research
4 Bio-medical library and lecture facilities
5 Faculty office & student-faculty common rooms
6 Auditorium to seat 300
7 Hospital service facilities
8 Chronic care & preventive medicine—clinical
9 Chronic nursing
10 Psychiatric nursing
11 Psychiatric special facilities
12 Psychiatric—clinical
13 Exercise court
15 Paediatrics, ob.-gyn., medical, surgical—clinical
16 Nursing facilities





Projected Health Sciences Centre

WE CAN HAVE THE BEST—not the biggest, or the costliest, but the best—university hospital anywhere on this continent. That's what Dean McCreary says of the hospital that has been in the planning stage for the last two years.

During that time representatives of the Faculty of Medicine have visited every university hospital that has been built on this continent since World War II. Because the projected plan represents a step forward in medical education it was possible to obtain significant support for the planning and visits, from the Rockefeller Foundation and the John and Mary Markle Foundation.

Last summer a Metropolitan Hospital Planning Council set up in the province by the minister of health, recommended that a University hospital be built on the campus as quickly as possible in order to provide a referral, diagnostic, teaching and research centre for the province as a whole.

The University hospital will serve five specific needs which are not now being met in the health services available in this province.

1. Training centre for the health team. Nurses, physiotherapists, dentists, occupational therapists, clinical psychologists, social workers and others are all essential parts of the treatment group, but are still trained not together but separately. The hospital will serve as the training ground for all members of the health team, who would be graduated trained to work as a team.

2. Training of personnel for the chronic care and rehabilitation programme which was announced by the government on September 1, 1960. This new concept, that every individual should be so managed that he is as productive as his disease or accident will permit him to be, represents a new horizon in health care. The School of Rehabilitation which opened its doors for the first time this fall to 19 students, will train personnel in the concept of rehabilitation. Special courses would be available in chronic care and rehabilitation for community health workers in municipalities throughout the province.

3. Research, which will mean evaluation of new methods of treatment. Through the department of continuing medical education recently formed under Dr. D. H. Williams, these methods will get to the physicians of the province more rapidly than is now possible.

4. Research laboratory for the Hospital Insurance Service. This service, costing the people of the province approximately $50 million a year, represents a large industry and one with many problems. The Service has no impartial group to which they can turn for answers on staffing a ward, what types of equipment to purchase, and so on.

5. Referral centre for many of the problem cases in the province. At the present time these cases have to be referred to service hospitals in the community.

Premier Bennett has recently approved in principle the building of this hospital. This will permit the financing of the hospital to be arranged and enable the various departments of B.C.H.I.S. to participate actively in the planning, along with the Faculty of Medicine at the University.

Earle Birney remembers Dal Grauer

Ed. note: Address given by Dr. Birney at University memorial service in September for the late Chancellor.

I've been asked to speak here today about the Dal Grauer whom I had the privilege of knowing as a friend. I'm acutely aware of my inadequacy in this role, for I cannot claim the honour of having been by any means his longest or his closest friend. I didn't know Dal well until 1924, when he was in his final year at the old Fairview campus of U.B.C., and I was in my third. Then, during the two winters immediately after his graduation we maintained a rather close correspondence, and in the summers of those and later years, when we returned home from separate parts to Vancouver, we shared the same bachelor companions and a common devotion to the centre of our circle, the late and beloved Garnett Sedgewick. Again, in the latter Thirties we both found ourselves newly married and on the teaching staff of the University of Toronto. But shifting time and place, the very different routes and ranges of life into which we moved, determined that we should see each other only occasionally during the war days and after. There are many others, in consequence, with greater right to speak to you of Dal Grauer, the man, many many others, for it was part of his remarkableness that his capacity for making and holding friendships did not diminish with his busyness and his years but grew, until at the end he had become that rare sort of public figure who, however many or few his idealogical opponents might have been, could surely not have had a single private enemy. My words about him, then, are only poor tokens offered in lieu of the true coinage of the man, which lies in the memories of all those who knew him.

But words are all we have now, and so, groping for mine, I have gone back, this last week, to words of his, in letters he sent me when he was a graduate student at the University of California. Though written thirty-five years ago, they still hold the flavour of a rich and special mixture that to me will always be Dal. There are the canny observations, made with eyes wide open but twinkling, of individuals and of groups. He finds the Berkeley professors more prestigious than U.B.C.'s, but no better "man for man", and some walk the corridors as if they had signs on them: "Do not stop: on the way to write a book." And there is that unending, even boisterous, energy and multiformity of drive about which he seemed almost unconscious. He finds, he says, that a teaching fellowship absorbs about twenty-five hours of the week; he is in addition enrolled in four graduate courses, and already writing his thesis; he is taking in at least one show a week in San Francisco, and a dance or two a week on the Berkeley campus; he is keeping up his swimming and piano playing, and he is a regular and happy attendant at the frequent bull sessions of the teaching fellows. Yet his letter concludes with the complaint that either the softness of the California climate or the grain-alcohol-and-orange-juice downed at the bull sessions has taken the pep out of him, and he wonders if he'll be able to write off his M.A. in nine months. He did, of course, and by the next winter, having reached the age of twenty, he was in sight of his Ph.D.

Yet the most revealing thing in the solid longhand of these letters, as I realize now, is that they are only secondarily about himself. They are written to me by someone who had time, in all this, to think of me and what might be my problems, to think about our mutual friends and be solicitous of them, and of the wider issues of the University itself and the expanding role within it of the Alma Mater Society, (of which he had recently been president and on whose council I now held a seat). I can see now that for me, an only child, these were the letters of a unique older brother, one far closer perhaps than most brothers, and, incidentally, two years older than me chronologically. It was Dal who had encouraged me to accept the editorship of the *Ubyssey* in my final year and even stood up to our ferocious Socrates, Garnett Sedgewick, when the latter predicted, with terrible calm, that I would lose my English Honours if I took it on. And so now it was Dal who coached me from the California sidelines, urging me, (with the same concern and practicality he had shown his fellow-players on that famous champion basketball team he captained,) to organize my hours, to "plan more in order to work less", to make sure I kept time for badminton and sleeping. He demanded and scrutinized each *Ubyssey*, and sent me his approval of certain editorial attacks on administrative stuffiness, but urged me, generally in vain, to be "careful and level-headed" about them. Yet he was never the Big Brother, only the elder one, for his insights were always expressed without desire for mastery, with deliberated tact and instinctive modesty and indulgent understanding—as also to countless others throughout his life.

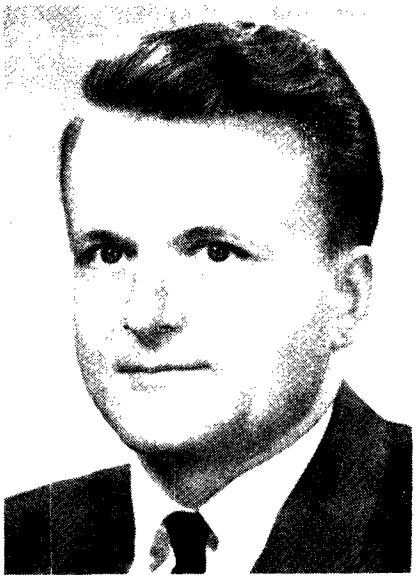
But I will not need the letters to remember that great solid, bashful, ruminating, cheerful, brilliant, idealistic, practical hulk of a youth, nor to carry with me to the end of my days the savor of his physical vitality, his moral integrity, his intellectual honesty. Not only in those times, but whenever I met him in later life, I would come away with the feeling, which I'm sure many thousands of others also took with them from Dal, that some of his calm and courtesy and judiciousness had rubbed off on me—virtues, alas, of which I at least have always had much need, and of which he had enough for all.

And always, too, whatever the circumstance, when we met in later years he stood, as it were, with the old friendship held out for me, warm and steady. If I ran across him wandering with eyebrows cocked through a new show at the art gallery, or making himself a rock-bound island of real conversation in the artificial sea of some cocktail party, it wasn't the patron of the arts or the head of the B.C. Electric who greeted me, it was the imperturbable if slightly sardonic Dal. If I were in urgent need of help to cope with a visiting poet with the intimidating reputation of W. H. Auden, it was Dal and Shirley who played generous and lively hosts. And, late on that particular evening, over brandies in his club, when the prodigious conversational powers and lethal wit of Mr. Auden had reduced most of us to wary silence, and even threatened to hamstring the prancing verbal horses of Lister Sinclair, it was the old Dal who kept the poet respectfully on his toes not only by the Grauer technique of the deceptively quiet and simple comment dropped strategically into the pause, but by the revelations, in the comments, of Dal's own imaginative vision and his wide reading and thinking about fundamental issues of human history and art and life. And in these last few years, when my wife and I have found ourselves moving down the line of dignitaries at University receptions, it was never simply the Chancellor and his beautiful distinguished wife who shook our hands, it was our good and unaffected friends, Dal and Shirley.

The many of you here who knew Dal Grauer as well as I, or better, will now be all too aware that I have not found the words to catch more than a ragged and passing shadow of the man. But he will live three-dimensional and full-coloured in your hearts, as in mine, as long as we live. It's to those of you who knew him not at all or only as a public or academic figure, to whom I turn at my end, and most of all to you who are students in this university.

There's a word much in use just now: survival. It is in ominous and perverted use. I don't know whether any man will live and walk on this headland at the century's end, or the decade's end, or the year's end—nor, alas, do any even of the most distinguished in this company know, any better than you or I. But this I know: that if our university survives, and generations come here who still desire, as we do, to preserve the memory of great men, they will not forget Dal Grauer, who walked our first lost campus and grew there to be a man and tried to help others so to grow; and who returned in his maturity to our second campus on this point not merely to sit in senatorial dignity or walk in chancellor's robes, but to be still a man, helping others so to be. He has won his survival. He is forever part of this headland.

Tim Hollick-Kenyon appointed Alumni Association director



Tim Hollick-Kenyon found his name was recognized when he was visiting Alumni branches in B.C. this summer. His grandmother lived for many years in Vernon. His father, who now lives at Spences Bridge, is the former bush-pilot well-known in western Canada who later flew in the Antarctic.

Dr. Wm. C. Gibson has announced the appointment of Tim Hollick-Kenyon, BA'51, BSW'53, as director of the Alumni Association, effective September 1, 1961.

Mr. Hollick-Kenyon, who has been assistant director of the Association since April 1 this year, succeeds Emerson Gennis, who has returned to a post in industry.

Befor joining the staff of the Alumni Association Mr. Hollick-Kenyon was probation officer of the Juvenile Court from 1954 to 1956 and supervisor of the Family Court of Vancouver from 1956 to 1961.

Before coming to the Alumni office in April, he had served on the board of management on a volunteer basis and was active in a number of professional and community organizations.

As an undergraduate he was active in a number of organizations including the National Federation of Canadian University Students, the Players' Club and the Radio Society.

Mrs. Hollick-Kenyon is the former Ina Josephine Ritchie, BA'53, BSW'54. They have two children, Susan, six, and Timothy, five.

New Chronicle editor appointed

The Chairman of the Editorial Committee, Mr. Cecil Hacker, recently announced the appointment of Mrs. Frances Tucker as editor of the U.B.C. Alumni Chronicle, effective October 1, 1961. This issue of the magazine is her first as editor.

Frances Tucker has been the hard-working assistant editor of the Chronicle for the past three years, and brings to the editorship a broad and detailed knowledge of alumni and university affairs.

She succeeds James A. Banham, the University Information Officer, who edited the U.B.C. Alumni Chronicle in his spare time. Jim Banham has worked very hard under a double load to improve the standard of our Alumni magazine and his efforts have not gone unnoticed. The increased scope of plans for our magazine has now necessitated a full-time editor in the office for the first time.

Graduates with alumni news or stories are welcome to drop into the Alumni office, or send their material to Mrs. Tucker or the Editorial Committee for publication.

Who do you work for?

Do you work for Canadian General Electric, Ford Motor Company Ltd., General Foods or Hooker Chemical?

These four corporations in Canada now have matching grant programmes under which they contribute to universities an amount equal to that given by their alumni employees.

We need your help. The personnel departments of some of these companies are not able to supply the names of employees who are U.B.C. graduates. Therefore we appeal to all alumni who are employed by any of these firms to let us know where they work.

Just drop a note to the Alumni Association, 252 Brock Hall, University of B.C., Vancouver 8. Thanks.

Commerce alumni division

One-day seminar for commerce graduates

The commerce division of the Alumni Association will hold a one day graduate seminar for all commerce graduates at International House, January 27. Details will be mailed to commerce graduates in early January. The purpose of the seminar is to re-unite faculty and graduates in an academic setting. The programme includes lectures from the faculty on "Return on Investment" and on "Operational Analysis in the Western Forest Industry". There will be a panel on "The Impact of the Common Market" and time has been set aside for the commerce graduates to question the faculty members on contemporary business problems and theories. A reception and luncheon is planned for noon in the Faculty Club.

Dean asks grads to examine curriculum

At the request of the dean of Commerce, the commerce alumni division undertook, as one of its first projects, an examination of the commerce curriculum. Two basic questions were involved: (1) How well does the commerce curriculum meet the needs of the business community? (2) How well does the commerce graduate's academic training prepare him for a business career?

Needs of business community

A committee chaired by John Harrison (an arts graduate) with Dudley Darling, Don Fields, Murdo MacKenzie, Jack Ridley and Paul Stockstad examined the first question through personal interviews with senior management people in 19 firms in the Vancouver area. A standard guide was used for these interviews, but management people were encouraged to express their opinions freely and openly. Results of the survey were by no means conclusive and in some cases were even contradictory. For example some companies said they wanted a graduate trained basically in the liberal arts and they would provide the specialized training. Other companies wanted the Commerce Faculty to turn out graduates trained in applied business subjects.

Big response to questionnaire

The second question, dealing with how the commerce graduate's academic training prepares him for a business career, was looked at by another committee chaired by Gordon Thom. The members were Ken Martin, Ross Fitzpatrick, Doug Bailey, Mike Puhach, David Hill, Ken Mahon and John Kellman. The committee sent out 542 comprehensive questionnaires to commerce graduates from the years 1954 to 1959, and received back an amazingly high number of completed forms. The questionnaire dealt with three basic areas: (1) Was the graduate prepared for placement?

(2) Was the placement machinery adequate? (3) Was the placement a success? After a laborious job of compiling and analysing the results of the questionnaire, the committee was able to make a number of recommendations.

When the reports of the two committees were written they were received by the commerce alumni division executive and passed on by president Ken Weaver to Dean Perry. The dean expressed appreciation for the extensive work done by both committees and asked that a meeting between the committees and the Commerce Faculty be held early this fall in order that the conclusions and recommendations contained in the report could be examined in depth. In thanking Dean Perry for the invitation given the alumni to examine these important matters of curriculum, President Ken Weaver said that the effort expended by the committees was indicative of the interest that alumni have in their institution, and in seeing that the education it provides is of the highest possible calibre to meet the needs of business and industry and society as a whole.

Prize essays included in engineers' publication

The second edition of the *U.B.C. Engineer* is nearly ready. This hardy annual is edited by our own undergraduates and aims at producing material which is high-level technically and interesting to those who are connected in any way with our University.

Contents include the following: prize essays by undergraduates; up-to-the-minute accounts of research in progress; lists of post-graduate research topics in engineering; watch for this: "Undergraduate curriculum—what is the philosophy behind the options?"

The issue for 1962 will be available next February.

Price to all comers—$1.00.

Place orders with the Editor, *U.B.C. Engineer,* Undergraduate Society, University of B.C.

Re-union in Minneapolis

Spontaneous get-together

Spontaneous get-together of nearly two dozen U.B.C. forestry alumni from various parts of the continent was staged October 9, at the Leamington Hotel, Minneapolis, Minnesota.

Event took place during the annual meeting of the Canadian Institute of Forestry, and of the Society of American Foresters, which was held this year as a joint affair in the Minnesota city.

The U.B.C. reunion was touched off in the lobby of the Hotel by a meeting—after 30 years—between James Curtis, BASc (forest engineering) '30, MF'35 (Harvard), now with the U.S. forest service at Boise, Idaho, and Charles D. Schultz, BASc(forest engineering)'31, president of C. D. Schultz & Co. Ltd., forestry & engineering consultants, Vancouver, B.C.

Curtis and Schultz decided there were probably enough U.B.C. alumni present at the Minneapolis meet to warrant a dinner. They therefore reserved a table, posted a notice and asked for signatures.

The list grew to 22 persons.

W. B. "Bert" Gayle, BSF'50, of MacMillan, Bloedel & Powell River Ltd., Vancouver, invited everyone to his room for cocktails before dinner.

Chairman of the dinner was Charles Schultz. J. H. G. Smith, BSF'49, MF'50 (Yale), PhD'55(Yale), of U.B.C.'s forestry faculty, was appointed treasurer, and collected cost of the meal.

Dieter Mueller-Dombois, BSF'55, PhD '60, now with department of forestry (research), Winnipeg, was appointed secretary, and compiled a list of those present.

Former deans attend

Participants included two past deans of forestry at U.B.C.

One was Lowell Besley, BSA'31(Cornell), MF'32(Yale), forestry dean at U.B.C. from 1948 to 1953, and now chairman of woodlands research for the Pulp & Paper Research Institute of Canada, Montreal. He was accompanied by Mrs. Besley.

The other was George S. Allen, BASc-'33, MASc'35, PhD'46(Calif.), dean of forestry at U.B.C. from 1953 to 1961, and now with Weyerhaeuser Timber Co., Centralia, Washington.

Also on hand was present acting dean of forestry at U.B.C., Dr. R. W. Wellwood, BASc'35, MF'39(Duke), PhD'43 (Duke).

John Ker, BASc'41, MF'51(Yale), DF'57(Yale), recent member of the U.B.C. faculty and now dean of forestry at the University of New Brunswick attended.

Others present were: David A. Wilson, BA'47, BSF'48, MF'50, PhD'53(Calif.), head of economics planning & market research, Canadian International Paper Co., Montreal; Harvey Anderson, BASc-'51, Julia Lumber Co., Prince George, (accompanied by Mrs. Anderson); James Kinghorn, BSF'49, department of forestry, Victoria; A. W. Blyth, BASc'49, department of forestry, Ottawa; Ron Chorlton, BSF'49, Wajax Equipment Ltd., Montreal; and Rory Flanagan, BSF'50, department of northern affairs & natural resources, Ottawa.

Also in attendance were: Walter Tuttle, BSF'51, B.C. forest service, Vancouver; C. I. Kirby, BSF'50, department of northern affairs & natural resources, Prince Albert; H. C. Jellicoe, BSF'51, senior consultant, industrial development branch, Manitoba department of industry & commerce, Winnipeg; W. M. Stiell, BSF'49, department of forestry, Chalk River; and Hugh J. Hodgins, BASc'28, Vice-President, timber, Crown Zellerbach Canada, Vancouver.

Dr. MacKenzie's statement

Present state of Matching Grants

A number of alumni responding to the Annual Giving appeal have inquired about the status of the matching grants promised by Premier Bennett during the Development Fund campaign.

Dr. MacKenzie informs the *Chronicle* that the University is now receiving the matching funds at the rate of $1,250,000 a year. His complete statement on provincial grants for capital construction follows:

Contributions by the Provincial Government towards capital construction at the University are made available to the University under three headings.

First. In 1956, Premier Bennett advised the President that his Government would make a contribution of $1,000,000 a year for a period of ten years. These amounts have come forward regularly and $6,000,000 will have been received by the University by the end of March, 1962.

Second. Separate grants are contributions made to "match" contributions from the alumni, corporations and individuals in the 1958 Campaign. During the last two years the Provincial Government has contributed $1,250,000 per year toward these grants for a total of $2,500,000.

Third. Buildings are being erected for the College of Education by the Public Works Department. The budget for this expenditure for 1961/62 is $1,400,000. The first unit is expected to be complete by September, 1962, and it is expected that tenders will be awarded for the second building during the present fiscal year.

ALUMNI CONTRIBUTIONS TO U.B.C. DEVELOPMENT FUND

January 1, 1961 to November 27, 1961

	Donations	Amount	Average
Pledges	98	$3,475.16	$35.46

Please Note: the A.A.G. and Development Fund are two separate campaigns.

HAVE WE HEARD FROM YOU?

November 8th, 1961.

DEAR FELLOW ALUMNUS:

Alumni Annual Giving, 1961 version, as outlined in the brochure mailed to all alumni in October, is bringing in results from alumni all over the world. We appreciate the quick response given the appeal by those people. However, there is a vast group yet to be heard from, and we are anxious to receive their contributions.

Students now on the campus have set a fine example for us all by pledging $10.00 per student per year. We are certain that any alumnus who has a true appreciation of the needs of the university—regional scholarships, President's fund, athletic and recreation fund, etc.—will accept his responsibility with the other contributors.

We believe that all Alumni are aware of the need for what the President has called "free money". This is Alumni Annual Giving money, and we solicit your support for the 1961 campaign now. Your cheque will certainly be appreciated.

Yours very truly,

ALAN M. EYRE, Chairman,
Alumni Annual Giving, 1961

P.S. For tax deduction purposes grads in the United States may send their cheques to:

FRIENDS OF U.B.C. INC.
3649 MOSSGIEL ROAD
BELLEVUE, WASHINGTON, U.S.A.

1961 ALUMNI ANNUAL GIVING CAMPAIGN REPORT

Annual Contributions from Alumni for current needs

October 1, 1961 to November 27, 1961

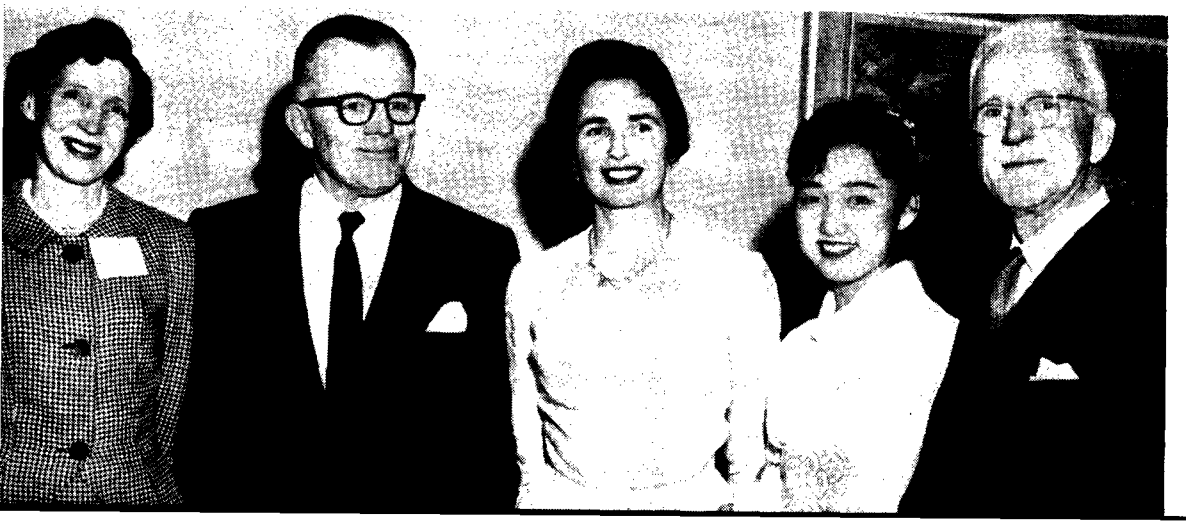
Category	Donations	Amount	Average
Alumni Regional Scholarships	253	$ 3,916.24	$15.48
President's fund	395	5,692.33	14.41
Library—special collections	201	2,301.81	11.45
Victoria College	134	1,224.50	9.14
Other objectives	30	426.01	14.20
Unallocated donations	660	8,777.83	13.30
CAMPAIGN TOTALS	1,673	$22,338.72	$13.35
Received in 1961 prior to fall campaign		1,966.91	
1961 Total to Date		**$24,305.63**	

Class of '21. Joseph M. Schell, Montreal, D. H. Osborne, Toronto, Mrs. Osten Van Dine (Victoria Herman), Sacramento, California, George F. Barnwell, Bethel, Connecticut, Donald M. McArthur, Honolulu, Hawaii, J. O. C. Kirby, Kamloops

HOME-COMING

Class of '26 re-union. Dean Soward, Mrs. Ian Douglas (Lenora Irwin), Victoria, Judge David Verchere, Mrs. Bert Wales (Doris McKay), and Joe Kania

Class of '36 re-union. Mrs. Victor Dryer (Isobel Wales), Richard V. MacLean, Mrs. D. C. Ellis (Margaret Buchanan), Atsuko Moriya, here from Tokyo taking graduates studies (representing her mother, the former Yuriko Lily Mizuno), and Col. Logan

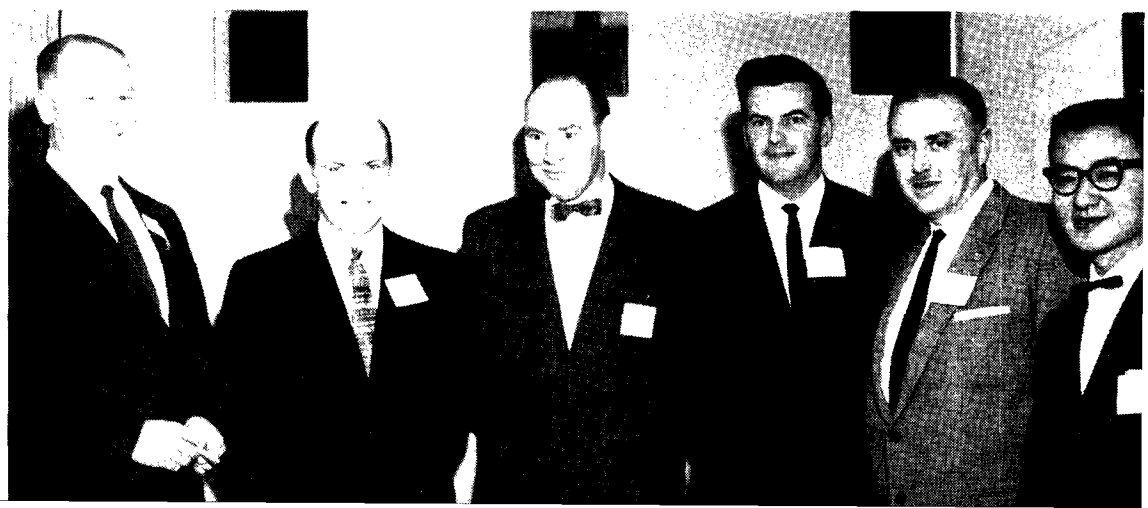


Home Economics' first re-union. Sitting with Miss Black, director of the school, is Mrs. J. O. Wheeler (Nora Jean Hughes). At back: Mrs. C. W. Brown (Ada Kirk), Mrs. S. C. V. Dickson (Jo-Jean Johnston) of Sacramento, California, and Mrs. F. Douglas (Sue Bigsby) of Nanaimo

— 1961

Class of '16 re-union. William C. Wilson ("Thisbe"), Isabel G. McMillan, class vice-president, Chief Justice Sherwood Lett, class president, Mrs. A. M. Menzies (Ada Vermilyea), class secretary, and Col. H. T. Logan, honorary president of the class

Class of '51. Terry Lynch, applied science, Charlie Brown, arts, Bill Cawley, forestry, Grant MacKinnon, architecture, Bill Huggan, education, Paul Lee, commerce



U.B.C. GREAT TREKKER of 1961

The Hon. John Valentine Clyne

Dean Geoffrey Andrew, Mrs. G. E. W. Clarke of Abbotsford, Bob Morrison of Creston, Mrs. David Ferne of Victoria, Dr. Pat McGeer, Association third vice-president, and David Williams of Duncan

Home-coming Branch Dinners

Frank Walden, Association first vice-president, Mrs. J. H. (Charlotte) Moore of Duncan, Richard Deane of Trail, Mrs. James T. Harvey of Prince Rupert, and Dean MacPhee

Alumnae and Alumni

Items of Alumni news are invited in the form of press clippings or personal letters. These should reach the Editor, U.B.C. Alumni Chronicle, 252 Brock Hall, U.B.C., for the next issue not later than February 1, 1961.

1916

CHITOSE UCHIDA, BA, was honoured at school closing last June on the occasion of her retirement after more than forty years of teaching in Alberta and British Columbia, latterly at Forest Grove in the Williams Lake school district. Miss Uchida has returned to Vancouver where she has bought a house at 2796 West 22nd Avenue.

HAROLD E. WALSH, M.B.E., BA, BASc-'25, a man who made a career of his lifetime hobby, "anything electrical", retires after 36 years in the Civil Service. Mr. Walsh was chief of the design and construction division of the Transport Department's Telecommunications Branch.

A. L. Marshall

1918

ABRAHAM L. MARSHALL, BA, MA(Tor.), PhD(Lon.), has been named a consultant to the General Electric Research Laboratory in Schenectady, N.Y. pending his retirement late this year. A member of the staff of the Research Laboratory for 35 years, Dr. Marshall has been manager of the Chemistry Research Department since 1933. Under his leadership the department has made many major contributions to the science of chemistry and to the growth of the General Electric Company.

1923

THE HON. J. V. CLYNE, BA, chairman of the board of MacMillan, Bloedel and Powell River Ltd., has won this year's Great Trekker award. As a student, Mr. Clyne served on the committee which organized the trek. The Trekker award is given annually by the Alma Mater Society to a U.B.C. alumnus who has achieved eminence in his chosen field and contributed to his community and university.

1924

CARL TOLMAN, BA, MSc(Yale), PhD (Yale), vice chancellor and dean of faculties at Washington University in St. Louis, Missouri, was in August appointed acting chancellor of the University, to serve until a permanent chancellor is appointed.

1926

BRUCE A. MACDONALD, BA, commercial counsellor with the Department of Trade & Commerce, has been posted to Israel.

1927

W. KAYE LAMB, BA, MA'30, PhD(London), LLD(Brit. Col. and Man.), Dominion Archivist and National Librarian, has been elected a Fellow of the Society of American Archivists. Before moving to Ottawa Dr. Lamb was Provincial Archivist for British Columbia, then University Librarian from 1940 to 1948, and was editor of the British Columbia Historical Quarterly.

1928

THE HON. JAMES SINCLAIR, BASc, BA (Oxon.), MA(Oxon.), has resigned as president of the Fisheries Association of B.C. although he will remain with the association as a director. Mr. Sinclair is president of Deeks McBride Ltd. and has recently been made president of Lafarge Cement of North America Ltd.

A. J. Elliot

1932

ALFRED J. ELLIOT, BA, MD(Tor.), D.-Med.Sc.(Col.), one of Canada's leading eye specialists has joined the Faculty of Medicine at U.B.C. as professor of ophthalmology in the department of surgery. Dr. Elliot, who has been professor and head of the department of ophthalmology at the University of Toronto since 1946, developed an outstanding graduate programme there for the training of eye specialists. He is a member of numerous professional organizations and the author of more than 30 research papers on the eye. Mrs. Elliot is the former JEAN MACNAUGHTON, BA'33.

A. E. Ames & Co.
Limited

Purchasers and Distributors of Government, Municipal and Corporation Securities

A. E. Ames & Co.
Members
Toronto Stock Exchange
Montreal Stock Exchange
Canadian Stock Exchange

Business Established 1889

626 West Pender Street, Vancouver—Mutual 1-7521

TORONTO MONTREAL NEW YORK LONDON, ENG. VICTORIA
OTTAWA WINNIPEG CALGARY LONDON

1933

WILLIAM C. GIBSON, BA, MSc(McGill), DPhil(Oxon.), MD,CM(McGill), FACP, has been elected an Associate member of the Physiological Society of Great Britain. Dr. Gibson attended the International Neurological Congress in Rome this summer and a course in advanced electroencephalography in Marseille. In his capacity as president of the Alumni Association, Dr. Gibson met alumni in London, England and on the way home visited branches in eastern Canada.

1936

LACHLAN F. MACRAE, BA, MA'37, director of the Canadian Defence Research Board's scientific information service, has been loaned to the Greek government. Mr. MacRae will spend a month in Athens studying Greek needs for a national defence research documentation centre and advise on its establishment. He will work in co-operation with the Greek member of the NATO advisory group for aeronautical research and development documentation committee. In 1956 Mr. MacRae carried out a survey of public library requirements for the Defence Research Board in Egypt.

1941

MRS. DORWIN BAIRD (née VERNA CONSTANCE MACKENZIE, BA), a former president of Capilano Public Library in North Vancouver, was among the 33 applicants accepted for the new course in librarianship at the University of British Columbia.

MRS. T. WEINER (née LUCY R. WILSON, BA), has been appointed head of the circulation department of the Bonar Law-Bennett Library at the University of New Brunswick. Mrs. Weiner is the wife of Associate Professor T. Weiner of the department of physics.

1942

ECHO L. R. LIDSTER, BSA, formerly provincial 4-H Club supervisor for British Columbia, who is working towards a PhD degree in Extension Education at the University of Wisconsin, has received a research assistantship for the coming academic year.

1944

ARTHUR C. JOHNSON, BA, MA'46, PhD (Purdue), is assistant to the president of York University on the new Glendon Hall campus in York Mills, Ontario. A physicist by training, Dr. Johnson holds a PhD degree in experimental physics from Purdue University. In 1951, upon joining the Atomic Energy of Canada Ltd. at Chalk River, he became associated with the development of nuclear power. From 1955 he was with the General Dynamics Corporation, first at Canadair as manager of the Nuclear Division and later at the General Atomic Division.

ARTHUR R. LUCAS, BASc, who is Regional Engineer for Southeast Asia in UNICEF, is currently setting up powdered milk plants for the government of India. In the course of his duties he travels up to 50,000 miles per year in India, with frequent trips to Europe and North America. Mr. Lucas visited Vancouver on biennial leave this past summer.

RICHARD M. BIBBS, BASc, has been named project manager for the B.C. Electric Peace River hydro scheme. Mr. Bibbs formerly was administration manager of the electrical division of B.C. Electric. He is a member of the Association of Professional Engineers of B.C. and of the Canadian Electrical Association. He was president of the Player's Club on the campus, and is a past president of the U.B.C. Alumni Association.

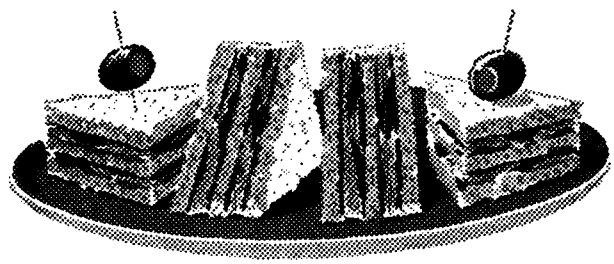
GREGORY MILLAR, BA, is the new conductor and musical director of Kalamazoo's Symphony Orchestra in Michigan. Mr. Millar, in his undergraduate days, organized U.B.C.'s first orchestra. His last conducting engagement in Vancouver was with the CBC Chamber Orchestra during the Vancouver International Festival of 1959.

CRIPPEN WRIGHT ENGINEERING LTD.
ENGINEERING CONSULTANTS
Investigations, Designs, Supervision
Hydro Electric Developments, Water Supply Projects
Industrial Structures, Bridges, Dams, Electric Power
207 West Hastings Street **Vancouver, Canada**

CLOVER LEAF SEAFOODS

Canada's Leading Brand of Seafoods

WONDERFUL IN CASSEROLES



APPETIZING IN SANDWICHES

DELICIOUS IN SALADS

THOMAS G. WILLIS, BSA, MSA'47, superintendent of the Experimental Farm at Kamloops, has been appointed assistant to the director general of the research branch in the Canada Department of Agriculture at Ottawa.

1947

REGINALD E. COTTINGHAM, BSA, has been appointed Assistant Superintendent of the Sardis Utility Plant. From 1957 to 1960, Mr. Cottingham studied dairying methods in California. He returned to the FVMPA last year as bacteriologist and fieldman.

JACK ARNOLD FERRY, BA, BCom, formerly manager of western operations for MacLaren Advertising Co. Ltd., has been appointed a vice-president of the Company.

ALBERT MCCARTHY, BASc, an electrical engineer with Ingledow, Kidd & Associates, left in November for India with his wife (née Ruth L. Code, BA'44), and their three children. Mr. McCarthy will be working on a Colombo Plan scheme: a series of three hydro-electric projects in the Nilgris Hills, 300 miles inland from the city of Madras. The McCarthys will be living in an ideal climate at the 7400-foot level, in Ootacamund, known as the "queen of the hill-stations."

DAVID J. ROSE, BASc, PhD(M.I.T.), is professor of nuclear physics at the Massachusetts Institute of Technology. Dr. Rose was for several years with the Bell Research Laboratory in New Jersey before joining the faculty of M.I.T. He is also consultant at the Pentagon in Washington and at Oak Ridge atomic plant. He has written a treatise on nuclear developments.

MRS. JOHN THORNE (née JOY COGHILL, BA) was a tremendous success as Puck in the San Francisco Opera Company's production of "A Midsummer Night's Dream." Miss Coghill had earlier played the role in Benjamin Britten's opera which had its North American premiere here at Vancouver International Festival.

1948

JOHN H. CALAM, BA, has won the B.C. Teachers' Federation scholarship of $1,500. Mr. Calam is now studying for his master's degree at U.B.C.

HOWARD J. W. GARDNER, BCom, who has been with the Hudson's Bay Company since graduation has been promoted to the position of Merchandise Research Assistant to the general manager and is on the senior executive staff of the Hudson's Bay Company at Hudson Bay House, Winnipeg.

LEONARD G. MILLER, BA, MA(Wash.), PhD(Cornell), is the new head of the department of philosophy at the University of Saskatchewan. Dr. Miller has been on staff at the University of Washington for the past six years.

DOUGLAS J. NEELANDS, BCom, has been appointed executive buyer (merchandise manager) of the wholesale grocery operations of W. H. Malkin Ltd. Mr. Neelands was previously assistant to the executive buyer.

JOHN C. RUDOLPH, BASc, in geological engineering, has been appointed president of Banff Oil Ltd. Mr. Rudolph joined the Company as a geologist in 1954.

H. E. D. Scovil

H. E. DERRICK SCOVIL, BA, MA'49, PhD(Oxon.), a former member of the University of British Columbia's physics department, has been awarded the Stuart Ballentine Medal by the Franklin Institute of Philadelphia, Pennsylvania. Dr. Scovil, now a solid state device development engineer at Bell Telephone Laboratories in Murray Hill, N.J., was honoured for his development of a "three-level solid state maser", a device for reducing noise in communication systems.

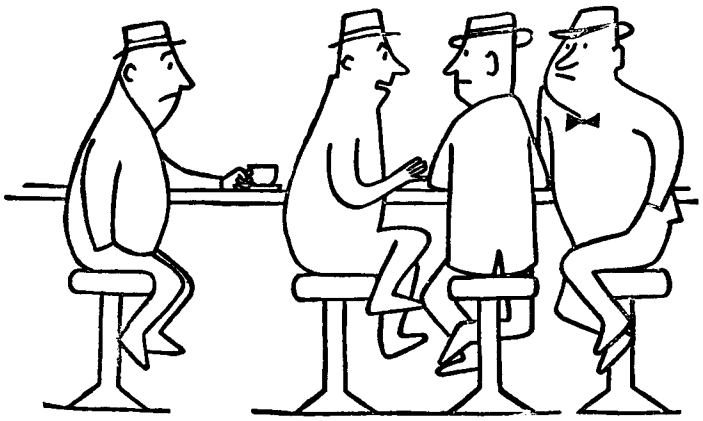
WILLIAM A. T. WHITE, BCom, has been appointed executive assistant to the Director of the Emergency Measures Organization, Privy Council Office, Ottawa.

1949

HARVEY COHEN, BASc, is the author of the "Feasibility Report on the Wingdam Project" in the July issue of *Western Miner & Oil Review*.

PARZIVAL COPES, BA, MA'50, is associate professor of economics at Newfoundland's new Memorial University.

HOWARD D. DE BECK, BA, BASc'50, has recently been promoted to the position of project engineer, Columbia River, with the Water Rights Branch.



If You Miss a Day You're Away Behind

HISTORY just whizzes by these days, a good deal of it fraught with portent and significance. Anyone who aims to keep up with it and to maintain any sort of coherence in his *Weltanschauung* simply can't do without a daily survey of what has happened when he wasn't looking. It goes without saying that the best way to keep track is to follow events in a comprehensive daily newspaper. Like The Sun, if we do say so ourselves.

SEE IT IN THE SUN

1950

GEORGE DARGIE, BSA, MSA'53, a well-known farm management expert, has joined the staff of the B.C. Agricultural Consultants Ltd. He will work directly with farmers and industrial organizations in soil use and management problems.

JOHN W. GOUGE, BASc in chemical engineering, has been named executive assistant to the B.C. Electric chairman, Dr. Gordon Shrum. Mr. Gouge has covered a wide field of economics and research since his graduation. He will be working in close liaison with Richard Bibbs.

DANIEL G. POITEVIN, BASc, is now manager of Canadian Ingersoll-Rand Co. Ltd.'s Sudbury branch.

1951

THOMAS J. MCEWAN, BASc, has become acting supervisor of the staff and training department of the Consolidated Mining and Smelting Company in Trail, B.C. Mr. McEwan is a member of the Canadian Institute of Mining and Metallurgy.

DAVID S. OWEN, BA, vice-president in charge of development and construction for Webb & Knapp (Canada) Ltd., was in Vancouver this summer for the opening of Brentwood Shopping Centre, the latest of the company's large developments.

DONALD A. TRUMPLER, BA, MA'53, PhD(M.I.T.), has been appointed assistant professor of mathematics at Rutgers University. A member of the American Mathematics Society, Dr. Trumpler has taught at the Georgia Institute of Technology and worked on the Defense Research Board of Canada.

1952

JOHN A. CHESTNUTT, BA, has graduated from San Jose State College as a master of science in business administration. Mr. Chestnutt is a member of Alpha Eta Sigma, the honourary accountants' society.

MRS. DAVID D. CLARK (née HILARY E. YATES, BHE) writes from England that she and her husband are touring and camping across Europe and will be returning to B.C. shortly where she will continue her teaching career.

WILLIAM E. DONNELLY, BA, has been appointed to the newly created position of assistant to the president of Imperial Investment Corporation Ltd. Mr. Donnelly is also a director of Elite Insurance Company.

WILLIAM A. GILMOUR, BA, LLB, a Penticton lawyer, was elected president of the B.C. Liberal Association in Victoria in October.

PETER F. PRASLOSKI, BA, MD'56, is a resident in ophthalmology at Boston City Hospital.

MRS. LESLIE WARREN ROSS (née ROSEMARY STOKES, BA, MA'54), who was recently married in Ann Arbor, Michigan, is busy finishing a Michigan PhD in absentia in clinical psychology. Dr. Ross is assistant to the executive secretary of the Board of Educational Finance for the state of New Mexico, with headquarters in Santa Fe.

1953

ELIZABETH J. (BETTY) COCK, BA, sailed on November 3rd on the liner Canberra. Her first stop will be New Zealand, then on to Australia for a year or two before returning home via Europe. Betty has taught for the past eight years in Trail, Courtenay and Port Alberni. She worked in the Alumni Association's office for two months prior to her departure.

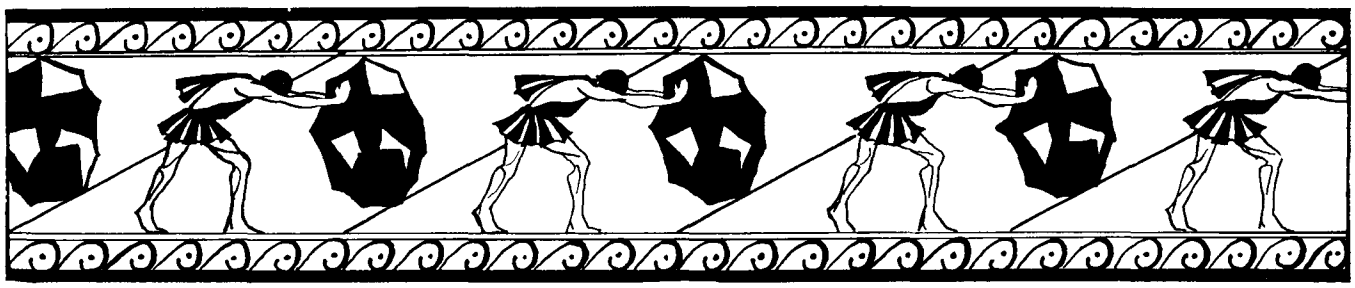
BARRIE C. FLATHER, BA, MD'59, who won praise for his part in the rescue of a trapped miner last November at Britannia Beach, has been awarded the Order of the British Empire.

C. ALLAN MACPHEE, BASc, has been appointed mechanical maintenance superintendent at Reynolds Metals Co. aluminum plant at Longview, Washington.

1954

ALLAN G. FORMAN, BA, MSc'56, is a recipient of a National Research Council studentship for graduate work in the chemistry department at the University of Saskatchewan. Mr. Forman is doing organic reaction mechanism studies using radioactive carbon-14 as tracer. He is on leave from Carleton University, Ottawa, where he is an assistant professor of chemistry.

ROBERT C. GILLMORE, BCom, has been named assistant to the general manager of C.P.R. merchandise services at Montreal.



SISYPHUS was condemned to roll to the top

of a hill a huge stone that always rolled

down again — money earned and frittered

away is earned by fruitless labour . . .

The CANADA LIFE Assurance Company

JOHANN STOYVA, BA, MA'56, is assistant professor of psychology at Dalhousie University. For the past two and one-half years he has been a research assistant at the University of Chicago.

WALTER ULLMANN, BA, MA'56, has been granted a PhD in history by the University of Rochester. Mr. Ullmann was awarded a graduate scholarship from the university in 1956 to continue research in Canadian history.

A. M. VAN DE BOGART, BA, MA(Tor.), is on the staff of the Stratford Collegiate Institute where he is teaching mathematics.

1955

H. PETER KROSBY, BA, MA'58, PhD (Col.), has returned as instructor in the social science department to Fairleigh Dickinson University after teaching a course in modern European history at Columbia University in New York this summer. Mr. Krosby was assistant director of the Alumni Association from 1956 to 1958.

CLARENCE C. MACKENZIE, BSW, has been appointed county welfare director in Saint John, New Brunswick. Mr MacKenzie moved there from Richmond, B.C. where he was also in welfare work.

HUGH DONALD WESTGATE, MD, recently received the degree of master of science in anesthesiology, conferred on him by the University of Minnesota.

1956

JOHN D. BOSSONS, BA, is assistant professor of finance in the School of Industrial Management at M.I.T.

RONALD J. JEPHSON, LLB, former executive assistant to the Minister of External Affairs, the Hon. Howard Green, has entered private law practice at Kitimat, B.C.

EDWARD H. KNIGHT, BCom, has assumed duties as head of administrative affairs for the Red Deer, Alberta hospital. Mr. Knight holds a hospital administration diploma from U.B.C. For the past four years he has been administrator at the Prince Rupert General Hospital.

GEORGE W. SEYMOUR, BCom, was in Vancouver this summer from Saigon where he has spent the past two years with the Canadian delegation of the International Supervisory Commission. He left for Ottawa en route to his new posting at The Hague.

1957

WALTER F. MCLEAN, BA, BD(Knox), was elected president of the National Federation of Canadian University Students on September 26, 1961. After the annual meeting held in Kingston he and 42 other presidents of student societies were flown to St. John's as the guests of the Newfoundland government for the official opening of Memorial University of Newfoundland. Mr. and Mrs. McLean, whose marriage is noted elsewhere in this issue, will be living for the next year in Ottawa.

MRS. GORDON C. OATES (née BEVERLY JOAN BUKER, BPE) is an instructor in physical education at Wellesley College. Mrs. Oates is a member of the Vancouver and British Columbia teachers' associations and of the Canadian Association for Health, Physical Education and Recreation.

TERRENCE M. I. PENNER, BA, BA (Hons.)(Oxon.), who took a first class in Classical Greats at Oxford and a Book Prize from Magdalen College is now teaching in the U.B.C. Classics Department.

1958

THE REV. THOMAS M. ANTHONY, BA, who graduated this year from the General Theological Seminary in New York City and was ordained in Vancouver this summer, has left for San Jose, Costa Rica where he will receive language instruction before going on to Puerto Rico.

IAN B. KELSEY, BPE, MPE'59, has been awarded a $2,000 graduate school fellowship from the University of Washington to study for his doctorate in education. His scholarship is effective in January. Mr. Kelsey has been teaching at Windermere school for the fall term before going to the University of Washington.

MONTROSE S. SOMMERS, BCom,MBA (Northwestern), has been selected as a University of Colorado Development Foundation fellow. The $2,000 fellowship will enable Mr. Sommers to continue towards a doctor's degree in business administration.

HERBERT J. THORBURN, BASc, has won an Athlone Fellowship to spend two years of postgraduate study in structural engineering at the University of Bristol. Mr. Thorburn has been with the Division of Building Research of the National Research Council in Ottawa since graduation.

1959

EDWARD G. AULD, BASc in chemical engineering, has won an Athlone fellowship for two years of advanced work or research in industry or universities in the United Kingdom.

WILLIAM R. BALLENTINE, BA, well known for his radio work with U.B.C.'s extension department, has moved to Montreal as research director for Radio CKGM. He will work on the station's experimental programs.

BARBARA M. BIELY, BA, recently a research assistant, social research division of the London School of Economics, was co-author with two colleagues of an article in the first issue of the Prison Service Journal, dated January 1961, and published by H.M. Prison Service Staff College. The article is entitled "'It's the *Prisoners who run this Prison*'—a study of inmate leadership."

RICHARD B. CAVAYE, BCom, has been appointed district supervisor of the London Life Insurance Company in Winnipeg.

WILLIAM G. DAVENPORT, BASc, MASc-'60, has been awarded a $4,600 scholarship to study at London University's Imperial College of Science and Technology. Mr. Davenport has been granted a three year leave of absence from the Linde Co. Division of Union Carbide Corporation, Tonawanda, New York. He will be working in the process-engineering metallurgical group of the Royal School of Mines.

ARTHUR D. DRUMMOND, BASc, MASc-'61, whose marriage is mentioned elsewhere in this issue, is working towards a PhD degree in geology at the University of California at Berkeley.

EDGAR W. EPP, BSW, has taken over duties as the acting executive secretary of the local council of the provincial John Howard Society. Mr. Epp received his Bachelor of Arts degree from Bethel College, Newton, Kansas in 1956. Prior to his present position Mr. Epp worked as a caseworker for the Department of Social Welfare in Regina.

GORDON F. GIBSON, BA, who is studying at the Harvard Graduate School of Business Administration, has been named a Baker Scholar. The fifteen Baker scholarships awarded annually come from the academic top five per cent of the class.

DAVID KOGAWA, BA, who has spent two and one-half years with the provincial department of social welfare in Grand Forks has returned to U.B.C. for two years' further study towards a master's degree in social work. Mr. Kogawa has received a grant of approximately $5,000 from the Saskatchewan department of Public Health and on completion of his studies will take a position with the Saskatchewan government. He will specialize in psychiatric social work.

SHEILA J. MACR. (BRIDGIE) MACKENZIE, BA, last spring received her MA in International Relations under the political science department at Yale. She is now studying law at University College in London.

RUPERT E. H. PAPIN, BA, who taught for the past two years in the Barriere junior-senior high school, on the North Thompson River, has left to take up an assignment at the government technical school in Takoradi, Ghana. Mr. Papin was one of a group of 31 teachers sent abroad under the Commonwealth aid to Africa programme and the Colombo plan.

MICHAEL A. PARTRIDGE, BCom, has been appointed district supervisor of the London Life Insurance Company at Sault Ste. Marie.

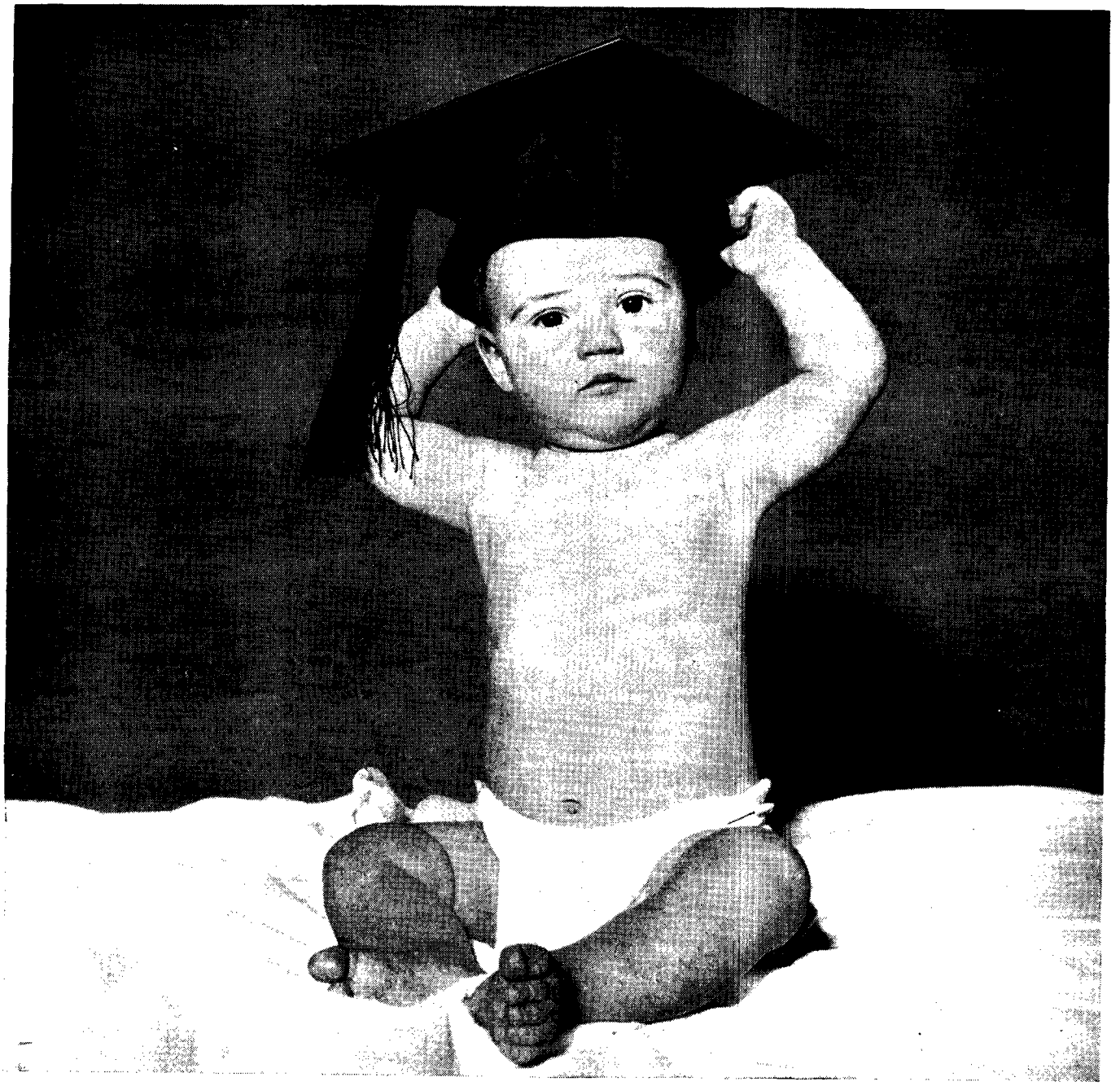
EDMOND E. PRICE, BCom,MBA(Western Ont.), has been posted to Sydney, Australia, as assistant trade commissioner for Canada.

ROBERT F. SNOWBALL, BASc in metallurgical engineering, has been awarded

Read
Jones
Christoffersen

CONSULTING ENGINEERS
STRUCTURAL AND CIVIL

VANCOUVER VICTORIA
EDMONTON



With a Personal Security Program you can *plan* for future projects

Be ready when the cap fits...

Whether your biggest project is Junior's college education, your family's first home, or a trip to Europe—PSP is the surest way to save for it! To make sure that cash will be available when you need it, save the *guaranteed* way. With your PSP plan you set a savings goal, then reach it with 50 equal deposits. When your goal is reached, you receive the full amount of your savings *plus* a cash bonus. *And* as you save, the full amount of your goal is *life-insured*. Plan to visit or call any nearby branch of The Bank of Nova Scotia *today*. They will be glad to give you full information on the Personal Security Program, and many other useful Scotiabank services.

A network of offices across Canada and in London
New York • Chicago • Los Angeles • Jamaica • Bahamas
Trinidad • Barbados • Antigua • Puerto Rico
Dominican Republic • Correspondents the world over

ScotiaBANK
THE BANK OF NOVA SCOTIA

an Athlone fellowship to England, where he will study towards a doctorate.

SHIRLEY F. TOMALTY, BSW,MSW'60, is a social work officer at Shaughnessy Veterans' Hospital. Miss Tomalty had completed her first year in physical education at McGill when she contracted polio in 1946. Now a paraplegic, she chose medical and psychiatric social work as a career to help others to surmount their problems.

BYRON L. VICKERY, BPE, BEd'60, was awarded his MA from the State University of Iowa in August.

1960

HUGH J. BARKER, BA, has been awarded two trophies for flying proficiency and officer ability at the R.C.A.F. officer-training centre at Penhold, Alberta.

PETER BATCHELOR, BArch, a Vancouver architect who topped the graduating class at U.B.C. in 1960, has been awarded a $2,000 travelling scholarship for study in Europe. Mr. Batchelor has left to study horizontal-multiple housing in Western Europe and the Scandinavian countries for six months and to work with a town planner in England for another six months. After the year of study abroad, Mr. Batchelor intends to do post-graduate work in town planning at an American university.

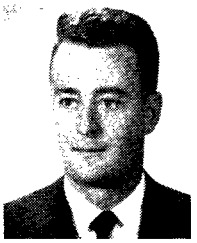
EDWIN R. BLACK, BA(Western Ont.), MA, has been awarded a $3,000 James B. Duke Fellowship for Canada. Mr. Black will study for a PhD in politics at the Commonwealth Studies Centre, Duke University, Durham, N.C.

VERNA IRENE CAUNT, BSc, has been awarded a $2,200 scholarship by the National Research Council of Canada. Miss Caunt is now studying for her master's degree at U.B.C.

IAN S. DUNN, BA, has won a Canada Council scholarship of $1,500 to study linguistics at the University of B.C.

GEORGE K. FLEMING, BEng(Nova ScotiaTech.Coll.),MASc, has been appointed a lecturer in mechanical engineering at the University of Waterloo, Ontario.

JOHN M. GILLILAND, BSc, a post-graduate student at U.B.C., has won a $7,500 fellowship given by Imperial Oil Limited to cover a three-year period leading to a doctorate degree in science. He is the son of two U.B.C. graduates, HENRY C. GILLILAND, BA'29,MA'51, director of teacher education at Victoria College, and Mrs. Gilliland, the former KATHERINE VIRGINIA LEE, BCom'32.



L. V. Hills

LEONARD V. HILLS, BSc, has been named recipient by the University of B.C. of the 1961 Shell post-graduate fellowship. Mr. Hills graduated with an Honours BSc in geology and is presently engaged in studies towards his Master's degree. The Shell fellowship, tenable for one year, is valued at a maximum of $1,800 and is accompanied by an unrestricted $500 grant-in-aid to the university to help in defraying the administrative and teaching expenses incurred by the award. Mr. Hill's research work is a stratigraphic analysis of microflora (palynology) of an Eocene basin at Princeton, B.C. On completion of his MSc, he plans to attend the University of Alberta for PhD studies in the same field.

ANN-SHIRLEY B. GORDON, BSN, has been appointed instructor in nursing and health in the College of Nursing at the University of Cincinnati. Miss Gordon will teach pediatric nursing.

JOHN P. GREENHOUSE, BSc, spent the summer on Devon Island, 500 miles inside the Arctic Circle with a group of eleven Canadian university students. They were working on a three-year project study of an icecap, marine environment and atmosphere. The project is sponsored by the Arctic Institute of North America. Mr. Greenhouse and a Swiss scientist discovered the ice of glaciers and icecaps measured up to 2,500 feet thick. He expects to go north again next May after spending the winter at U.B.C. studying for his master of science degree.

SYDNEY M. F. HUCKVALE, BA, received her degree in social work at the University of Toronto recently, and is currently employed as a case worker with the Children's Aid Society in Toronto.

ELIZABETH C. LEWIS, BSc, has won a National Research Council studentship for the second time, to continue post-graduate studies during the 1961-62 academic year at the University of B.C. She is studying for her master of science degree in biochemistry.

KENNETH C. MACKENZIE, BCom, LLB-'61, has won the W. W. Cook Endowment Income Fellowship worth $5,090 for legal research at the University of Michigan.

MO H. J. G. S. MERRIMAN, BVSc(Punjab),MSA, who was born in Kashmir and came to Canada four years ago, has joined the federal civil service in Edmonton. He has been appointed a research officer and posted to the federal Animal Disease Research Institute at Lethbridge. Mr. Merriman was recently admitted to the Alberta Institute of Agrologists.

PETER R. ROBBINS, BA, who is reading political economy at Jesus College, Cambridge, is also rowing. He stroked the College's summer eight this summer.

COLIN D. SCARFE, BSc, received his MSc in physics from U.B.C. this fall at the age of 20. Mr. Scarfe is now at St. Catherine's College, Cambridge on a Commonwealth scholarship, working towards a PhD in astrophysics.

JUNE M. WHAUN, MD, having completed her interneship last June at the Maryland University Hospital in Baltimore, Maryland, is now a first-year resident doctor in pediatrics of the Michigan University Hospital. She was one of the few Canadian or American doctors admitted to attend the Harvard University Pediatrics Seminar held last January where the foremost medical experts gave lectures.

MRS. GLENDON WOODRIDGE (née HELEN C. ZUKOWSKI, BA) who was married this summer, has left with her husband, an engineer, for Kuching, Sarawak. They will work as members of Canadian Overseas Volunteers, a group devoted to raising living standards in underdeveloped countries through the personal services of recent graduates of Canadian universities. Details of their jobs are being worked out for them by Sarawak officials.

1961

PETER E. BRAUN, BSP, received the E. L. Woods Memorial prize in Pharmacy at the annual meeting of the Canadian Foundation for the Advancement of Pharmacy held in Hamilton, Ontario. Mr. Braun submitted the thesis "Immunological Studies on Yeast Phosphomonoesterases" which was judged the best

Write or Phone

THE UNIVERSITY BOOK STORE
Vancouver 8, B.C. CA stle 4-1111

whenever you need

BOOKS

Text
Trade
Medical
Technical
Hard Back
Paper Back

PITMAN BUSINESS COLLEGE

"Vancouver's Leading Business College"

Secretarial Training, Stenography, Accounting, Dictaphone Typewriting, Comptometer

Individual Instruction

ENROL AT ANY TIME

Broadway and Granville
VANCOUVER 9, B.C.
Telephone: RE gent 8-7848

MRS. A. S. KANCS, P.C.T., G.C.T.
PRINCIPAL

of seven submissions from three universities in this competition based on undergraduate laboratory research work. He is currently working in the drug dispensary at Woodward's Park Royal shopping centre in West Vancouver.

GYORGY DRASKOY, BSF(Sopron) is working with the Department of Education Leadership Development, in St. John's, Newfoundland. Mr. Draskoy's varied experiences in Hungary and Canada and his specialized forestry training should enable him to make a contribution particularly to the 4-H boys' groups.

ROBERT S. HAGER, BCom, who was recently married in Vancouver, is now studying at the University of California for a Master of Business Administration degree.

ANTHONY KEMP, BSc(Hons.), is the recipient of the $2,000 Canadian Industries Limited fellowship for graduate work in chemistry. Mr. Kemp, who came here from England five years ago and is a graduate in chemistry, will continue his studies towards a PhD at U.B.C.

JOSEPH DAVID MOONEY, BA, who received his BA in economics, is the winner of a $500 Crown Zellerbach Canada Limited post-graduate scholarship in economics.

DONNA E. MORE, BA, has been awarded the University Women's Club scholarship. Miss More, an anthropology graduate, is taking a year of teacher training and will be working on an Indian reserve next year.

DONALD NICOLSON, BASc, ROGER STONE, BASc, both in electrical engineering, and DONALD TOWSON, BASc in chemical engineering, have won Athlone fellowships for two years of advanced work or research in industry or universities in the United Kingdom.

KENNETH D. PAGE, LLB, and ALISON MILLER, BA, have received scholarships from the government of India. Mr. Page will study for a master's degree in law at Bombay University and Miss Miller, a psychologist, will study for her master's degree at the University of Delhi.

NORMAN PEARSON, BA, has been awarded a $1,500 Central Mortgage and Housing Corporation fellowship for advanced study in community planning. Mr. Pearson is well-known on the campus for his photography.

DELROY MCM. SALLENBACK, LLB, has gone to Southern Methodist University in Dallas, Texas on a $1,750 fellowship from the Southwestern Legal Foundation. He will undertake a master's degree in Oil and Natural Gas law.

PAUL E. TERMANSEN, MD, has been appointed an interne at the Presbyterian Medical Centre, San Francisco. The Presbyterian Medical Centre was created a year ago when it took over the former Stanford University Hospitals in San Francisco and all their facilities. Dr. Termansen is a member of the Canadian Association of Medical Students and Internes.

THOMAS DERRIL WARREN, BA, has been awarded the Sir James Dunn Foundation scholarship for $1,500 upon entering the Dalhousie University Law School.

Births

MR. AND MRS. HENRY A. ALBERT, BCom-'58, a daughter, Shelley Elizabeth, May 3, 1961, in Vancouver.

MR. AND MRS. RICHARD B. ARCHAMBAULT, BArch'55, a son, Noel Gerard, January 16, 1961, in Vancouver.

MR. AND MRS. CHARLES B. M. BAILEY, BSA'54, MSA'56, PhD(Reading), (née MARY E. ELLISON, BSA'57), a son, Roger Charles, July 23, 1961, in Lethbridge, Alberta.

MR. AND MRS. LAWRENCE GERALD BELL, BASc'54, MASc'55, a daughter, Catherine Elaine, September 6, 1961, in Deep River, Ontario.

MR. AND MRS. NOEL BOSTON, BASc'59, (née RUTH LEVIRS, BSN'60), a daughter, Reesa Lynne, October, 1961, in College Station, Texas, U.S.A.

MR. AND MRS. DONALD ALLAN CAMERON, BA'60, (née CATHERINE ANN WARRENDER, BA'60), a son, Maxwell Allen, April 24, 1961, in Berkeley, California, U.S.A.

MR. AND MRS. RONALD L. CLIFF, ECom-'49, (née JUNE BROWN, BCom'51), a son, Ronald Laird, May 11, 1961, in Vancouver.

MR. AND MRS. GEORGE L. CRAIG, BCom-'48, a daughter, Sherry Louise, July 29, 1961, in Vancouver.

MR. AND MRS. R. BLAKE DICKENS, BSF'52, a son, Mark Lester, June 21, 1961, in Comox.

MR. AND MRS. KENNETH V. ELLISON, BSA-'49, a daughter, Elizabeth Ann, June 12, 1961, in Kelowna.

MR. AND MRS. DOUGLAS E. FORREST, BA-'54, BEd'57, (née CONSTANCE EVA NORAH MAYNE, BA'54, BSW'55), a son, Garth Mayne, June 29, 1961, in Langley.

MR. AND MRS. KENNETH F. JONES, BCom-'55, a son, Toby Andrew, April 11, 1961, in Vancouver.

MR. AND MRS. J. PETER MADILL, BCom-'59, a son, Robert Peter, May 28, 1961, in Vancouver.

CANINE CLIP SHOP
3488 West Broadway RE gent 3-9733
Residence — WE 9-0150
LILL Lutgendorf, Owner-Manager
New York trained
Expert Care for all breeds
Poodle Specialist — Pet and Show

MR. AND MRS. B. JOHN L. ROLFE, BCom-'52, a son, Christopher John Byron, June 28, 1961, in Vancouver.

DR. AND MRS. MICHAEL W. ROSENFELD, MD'60, (née LINDA J. SIMON, BA'58, BSW'59), a daughter, Audrey Kim, July 6, 1961, in Montreal, Quebec.

MR. AND MRS. JOHN B. ROSS, BCom'53, (née DR. PEGGY L. E. ANDREEN, MD-'58), a son, John Bethune, May 16, 1961, in Toronto, Ontario.

MR. AND MRS. DONALD N. SKELTON, BEd-'60, a son, Ian Donald, October 20, 1961, in Kelowna.

MR. AND MRS. LEONARD G. WALKER, BA-'57, MSc'59, (née SARAH MARGARET SMITH, BSc'60), a daughter, Alice Isabelle, April 27, 1961, in Edmonton, Alberta.

MR. AND MRS. DENIS R. T. WHITE, BA'51, a daughter, Margot Elise, April 14, 1961, in Toronto.

DR. AND MRS. PATRICK C. T. WHITE, BA-'46, MA(Cantab.), PhD(Minn.), (née JANE DENNISS SEYMOUR, BA'47, BSW-'48), a daughter, Alison Cameron Telfer, March 10, 1961, in Toronto, Ontario.

MR. AND MRS. FRANK A. R. WILLIS, BASc-'52, (née MARY ANNA MORRISH, BSN-'58), a daughter, Elizabeth Jane, July 7, 1961, in Vancouver.

Marriages

ALEXANDER-BARLOW. Charles William Alexander, BASc'59, to Joyce Anne Barlow, in Vancouver.

ALLBRIGHT-DALY. Douglas Allbright to Eleanor Joy Daly, BA'58, in Vancouver.

ARMSTRONG-SANDERSON. William Spencer Armstrong, BCom'58, LLB'59, to Barbara G. Sanderson, BA'59, in Vancouver.

BIEHL-GRAHAM. Norman Leslie Biehl, BA'53, BEd'58, to Lorna Mae Graham, in Vancouver.

BRAWNER-MCCARTNEY. Kenneth Leroy Brawner, BA'57, LLB'58, to Maureen Dale McCartney, BEd'57, in Vancouver.

BREMNER-WRIGHT. David Gene Bremner, BCom'59, to Sheelah Louisa Wright, BHE'59, in Nanaimo.

CALKIN-PETRIE. Melvin Gilbert Calkin to Patricia Joyce Petrie, BA'61, in Victoria.

A Few Copies Left

'TUUM EST'

A History of the University of British Columbia

By H. T. Logan

For copies write to:

U.B.C. Alumni Association, Brock Hall, U.B.C. — CA4-4366

$5

CAMPBELL - ANDERSON. Norman Larry Campbell, BCom'61, to Marion Gail Anderson, BEd'59, in Vancouver.

CONSTANTINI-MEEK. Albert Gene Constantini, BA'57, LLB'61, to Lorraine Kathleen Meek, in Vancouver.

COPELAND-RANSOM. Bruce Copeland to Robin Anne Ransom, BSN'61, in Calgary, Alberta.

CUPIT-BROADFOOT. Robert Frank Cupit, BCom'60, to Goldine Janet Broadfoot, BSc'60, in Vancouver.

DENNISON-WRIGHT. John David Dennison, BPE'59, MPE'60, to Linda Catherine Wright, in Vancouver.

DOMVILLE - IRVINE. James de Beaujeu Domville to Patricia Joan Irvine, BA-'57, in Montreal, Quebec.

DOYLE-GRIFFITHS. Ronald Glen Doyle, BASc'60, to Sheila Allison Griffiths, in Vancouver.

DRAPER-FOX. James Anson Draper, BA-'57, to Theresa M. Fox, in Madison, Wisconsin, U.S.A.

DRUMMOND-FRIER. Arthur D. Drummond, BASc'59, MASc'61, to Margaret Laurie Frier, BSN'60, in Vancouver.

FINDLATER-SANDS. Bryan Laurence Findlater, BCom'59, to Sheila Nancy Sands, in Vancouver.

FOORMAN-STEINER. Carl Theodore Foorman, Jr., to Leonore Edith Steiner, BA'51, in Vancouver.

FURNISS-DUNCAN. Alan Bentley Furniss, BSF'5(, to Katharine Helen Duncan, BSc'59, in Vancouver.

GEDDES-GAETZ. Dr. John Geddes to Elizabeth Rae Gaetz, BHE'54, in Edmonton, Alberta.

GEE-SKWARA. John Henry Gee, BCom'59, to Phyllis Ann Skwara, in Vancouver.

GOLLNER-ROGERS. James Henry Gollner, BCom'61, to Lynne Margaret Rogers, in Vancouver.

GREATHED-LAMB. Edward Donald Greathed, BA'58, to Marguerite Skelton Lamb, in Leonia, N.J., U.S.A.

HAINES-MCFETRIDGE. Alfred Rae Haines, BA'57, to Mary T. McFetridge, BA-'60, in Vancouver.

HEATH-DRISCOLL. John Heath, BA'60, to Diane Isab ' Driscoll, BPE'55, in Vancouver.

HERUNTER-ASPOL. Herbert Edward Herunter to Reta Marie Aspol, BSN'59, in Vancouver.

HOLLAND-MCKINLAY. John H. Holland, BASc'59, to Sharon McKinlay, in Vancouver.

HOWELL-CATHRO. Frederick G. W. G. Howell, BA'58, to Jean Elizabeth Cathro, BA'61, in Vancouver.

HUSBAND-ORTENGREN. John Kimball Husband, BA'56, LLB'60, to Anna Bernice Ortengren, BA'58, in Vancouver.

JONES-GIVINS. James Donald Jones, BA-'60, to Anne Noel Givins, LLB'61, in Vancouver.

JULIAN-SWAN. Julian Charles Julian, BA'57, to Ruth Elizabeth Anne Swan, in Kingston, Ontario.

LANDSKRONER-KRASS. Charles Kenneth Landskroner to Sandra Etta Krass, BEd'59, in Vancouver.

LIGHTFOOT - NOURSE. Herbert Douglas Lightfoot, BASc'52, to Olive Anne Smillie Nourse, in Richmond, Quebec.

LUSZTIG-BICKNELL. Peter Alfred Lusztig, BCom'54, to Rae Joanne Penny Bicknell, BA'59, in Vancouver.

LUTTMERDING - MCDONALD. Herbert A. Luttmerding, BSA'61, to Mary Stella McDonald, in Vancouver.

MCINTYRE-PARKER. Albert Bruce McIntyre to Sharon Joan Parker, BA'60, in Vancouver.

MCINTYRE - CHRISTIE. Kenneth Gordon McIntyre, R.C.N., BA'54, to Marion Edith Christie, BA'58, in Vancouver.

MACINTYRE-LANE. Roderick MacIntyre to Wendy-Anne Lane, BSN'61, in Vancouver.

MCKIMM-COULBOURN. Dennis Sidney McKimm, BA'48, BSP'53, to Elsie Lea Coulbourn, in Vancouver.

MCLEAN-SCOTT. Walter F. McLean, BA-'57, BD(Knox), to Barbara Muriel Scott, BEd'60, in Vancouver.

MOLSON-SHERMAN. Hugh Dougall Molson, BA'57, MA(New Zealand), to Gerda Anne Sherman, on Bowen Island.

MURRAY-HODGINS. John Rykert Murray, BA'57, MD'61, to Gladys Winnifred Hodgins, MD'61, in Kelowna.

O'REILLY-CALDER. Miles B. O'Reilly to Joan S. Calder, BHE'58, in Nice, France.

PRITCHARD-MOYLS. Ernest Walter Pritchard to Catherine Amy Moyls, BA-'43, BEd'56, in Vancouver.

PRITCHARD-MORRIS. John Robert Pritchard, BASc'57, MASc'59, to Gail Elizabeth Morris, in Ottawa, Ontario.

ROBERTSON-FINN. Thomas Rocke Robertson, BA'60, to Marion Eleanor Finn, BEd'60, in Vancouver.

MONTREAL TRUST COMPANY

"A Company that Cares for your Affairs"

SERVICES TO INDIVIDUALS AND CORPORATIONS

Executors & Trustees

Employee Pension Funds

Endowment Funds

466 Howe Street MU 5-6311

Vancouver 1, B.C.

J. N. Bell—Manager

SAVAGE-MOODY. John Kenning Savage, B-Com'57, to Audrey Ruth Moody, BSN '57, in Vancouver.

SCOBBIE-SETER. John Love Scobbie to Lorna Ann Seter, BHE'58, in New Westminster.

SHELLY-HOLDEN. Robert Douglas Bruce Shelly, BCom'60, to Barbara Gail Holden, in Vancouver.

SILVERMAN-HARDIE. John Michael Silverman, BA'59, to Dorothy Moffat Hardie, BHE'60, in Carmel, California, U.S.A.

SOLLY-BAYNES. Geoffrey M. O. Solly, BASc'61, to Eleanor Ann Baynes, in Vancouver.

STANDFIELD - LOGAN-VENCTA. Derek Hugh Standfield, BA'55, LLB'56, to Margaret Logan-Vencta, in Ottawa, Ontario.

STANILAND-RICKSON. John Phillip Staniland, BA'56, to Jean Isabel Rickson, BSN'58, in Vancouver.

TAYLOR-GRANT. David Edward Taylor, BSc'60, to Perry Seafield Grant, in Brockville, Ontario.

TENNANT-CAREY. Paul Richard Tennant, BA'61, to Susan Mary Carey, BA'61, in Vancouver.

THOMPSON-LEESON. Richard Henry Thompson to Margaret Mary Lavell Leeson, BA'59, in Vancouver.

TURNER-GOURLAY. Barry Earl Turner, BSc'59, to Margaret Anne Gourlay, in Vancouver.

UNDERHILL-BIGELOW. John Gerald George Underhill, BCom'55, to Wendy Bedford Bigelow, in Victoria.

WAINWRIGHT-KNAPP. James Herbert Wainwright to Sandra Dorothy Knapp, BHE'60, in Vancouver.

WALES-GORDON. David Bertram Wales, BSc'61, to Lorna Gail Gordon, in Vancouver.

WARD-BURROWS. John F. Ward, BA'56, MD'60, to Rhoda Anne Burrows, in Scarsborough, Ontario.

WIEDMAN-BOYD. Frank Wiedman, BSW-'57, MSW'59, to Ruby Eileen Boyd, in Edmonton, Alberta.

WILLIAMS-ANDREEN. Roy Gordon Williams, BCom'59, to Carol Inge Andreen, BPE'61, in Vancouver.

WILLS-GRIFFITHS. Charles Edwin Wills, BArch'60, to Linda Louise Griffiths, in Vancouver.

WOLFE-RUBINFIELD. Jack C. Wolfe, B-Com'53, to Naomi Rubinfield, in Winnipeg, Manitoba.

YOUNG-STEVENS. Frederick Alexander Young, BSc'61, to Nancy Pamela Stevens, in Vancouver.

Are You Well Fed? Well Clothed? Well Housed?

Will you help us to help those who are not?

For over 50 Years Central City Mission has served Vancouver's Skid Row.

Please consider the Mission when advising on bequests, making charitable donations, discarding a suit or a pair of shoes.

CENTRAL CITY MISSION
233 Abbott St. MU 1-4439

Deaths

FRANCIS WILLIAM VERNON, BSc(London), Whitworth Scholar, and professor emeritus of mechanical engineering, died September 12, 1961 in Parksville, Vancouver Island, at the age of 69. He was an Associate member of the Institute of Mechanical Engineers and Associate Fellow of the Royal Aeronautical Society. Born in England, Professor Vernon came to U.B.C. in 1926 after receiving his degree, when he was appointed to teach mechanical engineering. He retired in 1957 but continued as a special lecturer in the department. While a member of the U.B.C. staff Professor Vernon held numerous industrial appointments including that of structural and mechanical designer for the B.C. Electric and plant engineer for Boeing Aircraft Company. He is survived by his wife, Edna, in Vancouver, and a sister, Miss F. Vernon, in England.

1926

WILLIAM CAMERON MURPHY, C.B.E., D.S.O., E.D., Q.C., BA, LLD'45, died October 20, 1961 in Vancouver at the age of 56. While at U.B.C., he was associate editor of the *Ubyssey*, represented the university in intercollegiate debating and played on the rugby team. He was called to the B.C. bar in 1929. Brig. Murphy was an army man from the time he was 15 years of age when he joined the 31st Battery, Field Artillery, in Vancouver. He had reached the rank of major in the militia when he reverted to the rank of captain to go overseas with the Princess Patricia Canadian Light Infantry at the outbreak of the Second World War. He was promoted to the rank of lieutenant-colonel in 1942 and took command of the B.C. Dragoons Regiment in the United Kingdom. He rose to the rank of brigadier and in 1944 was placed in command of the 1st Canadian Armoured Brigade.

Brig. Murphy was appointed to the Vancouver Police Commission in 1955 and served until March, 1958. He was a member of the Alumni Association (president in 1931-32), the B.C. and Canadian Bar Association and a trustee of the Poppy and Last Post funds.

Besides being a partner in Campney, Owens and Murphy and president of Canadian Western Pipe Mills Ltd., he was a director of many companies.

Brig. Murphy was the son of the late Mr. Justice Denis Murphy, BA, PhD (Ottawa Coll.), LLD'36, who served on U.B.C.'s Board of Governors during the years 1917-1935, and 1938-1946. Three of Brig. Murphy's brothers and sisters also graduated from U.B.C.; Mrs. John Creighton (née Sally Murphy, BA'23), the late Denis W. Murphy, BA'29, and the late Paul D. Murphy, BA'29. Another sister, Mrs. Margaret MacFadyen, is living in Watchung, New Jersey. He leaves his wife, Mary, and two daughters, Mrs. Walter Green, and Patty, all of Vancouver.

1929

HELEN M. SUTHERLAND, BA, died suddenly on August 29, 1961 in Vancouver. Squadron Leader Sutherland had just retired as senior social welfare officer of the R.C.A.F. She was medical social service consultant to the Social Welfare Branch of the Provincial Department of Welfare, B.C., before joining the R.C.A.F. to form and head their Social Welfare Office in Ottawa. She held a master's degree in medical social work from Simmons College, Boston, Massachusetts. Miss Sutherland had returned to Vancouver to become assistant director of social services at the Vancouver General Hospital. She is survived by her brother, Dr. W. H. Sutherland, Vancouver, and two sisters, Mrs. Patricia Hinton, Toronto, Ontario, and Miss Shirley Ann Sutherland of Vancouver.

1937

FARLEY B. DICKINSON, BSA, died July 11, 1961 at the age of 51, in Vancouver. Born in Arrowhead, he lived in Chilliwack as a child and taught school for a number of years in the Kootenay and Okanagan districts. During 1936 Mr. Dickinson worked on the streetcars which started a lifelong affiliation with the B.C. Electric where he worked under the comptrollers office until his death. In 1941 he helped organize the Street Railwaymen's Credit Union. He was director of the Stry Credit Union, B.C. Credit Union League, B.C. Central Credit Union and the National Association of Credit Unions. He leaves his wife, Ruth, and one son, Daryl.

1943

WILLIAM M. MERCER, BCom, died suddenly on August 30, 1961 at the age of 42, in Vancouver. Born and raised in B.C., Mr. Mercer graduated from U.B.C. with honours. He held positions with the Dominion Bureau of Statistics, Department of Transport and Provincial Forestry Department in B.C. before joining Powell River Company Limited as economist and becoming involved in the development of a pension plan for employees of that Company. It was then that he realized the difficulty of obtaining independent advice on pension matters and decided to do something about it. This decision led to his major business achievement—the creation of William M. Mercer Limited. The company was sold in 1959 to Marsh and McLennan Ltd., William M. Mercer Ltd. remaining a separate company with Mr. Mercer as chairman of the board. Mr. Mercer's book, the *Canadian Handbook of Pension and Welfare Plans*, is a recognized text book in this field. He was director and member of several clubs and organizations. Surviving him are his wife, the former Mary Florence Dunfield, BASc(N)'43, and six children, a sister and brother, and his mother, all of Vancouver.

Build your bank balance... Build your peace of mind

THE BANK THAT BUILDS

CANADIAN IMPERIAL BANK OF COMMERCE

Over 1260 branches to serve you

MP-621

U.B.C. Alumni Association Directory

HONORARY PRESIDENT—N. A. M. MacKenzie, C.M.G., M.M. and Bar, Q.C., BA, LLB(Dalhousie), LLM(Harvard), LLD(Mount Allison, New Brunswick, Toronto, Ottawa, Bristol, Alberta, Glasgow, Dalhousie, St. Francis Xavier, McGill, Sydney, Rochester, Alaska, California), DCL (Whitman, Saskatchewan), DScSoc(Laval), President of the University of British Columbia.

Board of Management

Executive Committee: PRESIDENT—Wm. C. Gibson, BA'33, MSc(McGill), DPhil(Oxon.), MD, CM(McGill); PAST PRESIDENT—Donovan F. Miller, BCom'47, SM(M.I.T.); FIRST VICE-PRESIDENT—Franklin E. Walden, BCom'38, CA; SECOND VICE-PRESIDENT—Mrs. John H. Stevenson, BA, BCom'40; THIRD VICE-PRESIDENT—Patrick L. McGeer, BA(Hons.)'48, PhD(Princeton), MD'58; TREASURER—H. Frederick Field, BA, BCom'40, CA. MEMBERS-AT-LARGE (Terms expire 1962)—Paul S. Plant, BA'49; Ben B. Trevino, LLB'59; Mrs. Kenneth M. Walley, BA'46. (Terms expire 1963)—Mrs. David C. Ellis, BA'36; Alan M. Eyre, BASc'45; John D. Taggart, LLB'49; Roderick MacDonald, LLB'50; Alan Pierce, BA'49.

Degree Representatives: AGRICULTURE—John L. Gray, BSA'39; APPLIED SCIENCE—Alec H. Rome, BASc'44; ARCHITECTURE—R. S. Nairne, BA'47, BArch'51; ARTS—Miss Vivian C. Vicary, BA'33; COMMERCE—Kenneth F. Weaver, BCom'49;EDUCATION—Paul N. Whitley, BA'22; FORESTRY—William P. T. McGhee, BA'46, BSF'47; HOME ECONOMICS—Miss Anne E. Howorth, BHE'52; LAW—Bryan Williams, BCom'57, LLB'58; MEDICINE—Dr. Ralph M. Christensen, BA'50, MD'54; NURSING—Miss Alice J. Baumgart, BSN'58; PHARMACY—D. B. Franklin, BSP'52; PHYSICAL EDUCATION—J. Reid Mitchell, BPE'49, BEd'55; SCIENCE—Joseph H. Montgomery, BSc'59, MSc'60; SOCIAL WORK—Gordon R. Wright, BA'50, BSW'52, MSW'54.

Ex Officio Members: Tim Hollick-Kenyon, BA'51, BSW'53, director, U.B.C. Alumni Association; assistant director, U.B.C. Alumni Association; presidents of Alumni branches; John K. Foster, BASc'61, president, 1961 graduating class; Alan Cornwall, A.M.S. president; Pat Glenn, Students' Council representative.

SENATE REPRESENTATIVES — Nathan T. Nemetz, Q.C., BA'34; J. Norman Hyland, BCom'34; Mark Collins, BA, BCom'34.

Regional Organizations

Okanagan Mainline University Association

PRESIDENT: Dr. E. M. Stevenson, MD(Western Ont.), 3105 - 31st Street, Vernon.
KAMLOOPS—Roland G. Aubrey, BArch'51, 242 Victoria Street.
KELOWNA—R. C. Wannop, BASc'50, 409 Park Avenue.
OLIVER—Rudolf P. Guidi, BA'53, BEd'55, Principal, Elementary School.
OSOYOOS—Wm. D. MacLeod, BA'51, Principal, Elementary-Junior High School.
PENTICTON—Mrs. Odetta Mathias, BSA'39, MSA'41, 148 Roy Avenue East, R.R. No. 2.
REVELSTOKE—Mrs. H. J. MacKay, BA'38, 202 - 6th Street East.
SALMON ARM—C. H. Millar, BSP'49, Box 176.
SUMMERLAND—Mrs. N. O. Solly, BA'31, R.R. No. 1.

Fraser Valley University Association

PRESIDENT: Mrs. G. E. W. Clarke, BSA'22, Box 1261, Abbotsford.
VICE-PRESIDENT: Mr. Hunter Vogel, HA'58, Cloverdale Paint & Chemical Co., Langley.
SECRETARY-TREASURER: William H. Grant, BEd-'47, Box 37, Abbotsford.
MEMBERS-AT-LARGE: Frank Wilson, MA'37, Box 178, Chilliwack; Dr. Mills F. Clarke, BSA'35, MSA'37, Box 176, Agassiz; Norman Severide, BA'49, LLB'50, Severide & Mulligan, Wright Building, Drawer 400, Langley.
EX OFFICIO: Cecil Hacker, BA'33, Publisher, Abbotsford News, P.O. Box 40, Abbotsford.

Vancouver Island Regional Planning Committee

PRESIDENT—David R. Williams, BA'48, LLB'49, Box 280, Duncan.
ALBERNI-PORT ALBERNI—W. Norman Burgess, BA'40, BEd'48, Box 856, Alberni.
CAMPBELL RIVER—Mrs. W. J. Logie, BA'29, Box 40.
CHEMAINUS—A. Gordon Brand, BCom'34, MacMillan, Bloedel & Powell River Co. Ltd.
COURTENAY-COMOX—Harold S. S. MacIvor, BA-'48, LLB'49, Box 160.
LADYSMITH—Mrs. T. R. Boggs, BA'29, Box 37.
NANAIMO—Hugh B. Heath, BA'49, LLB'50, Box 121.
PARKSVILLE-QUALICUM—J. L. Nicholls, BA'36, BEd'53, Principal, Junior-Senior High School, Qualicum Beach.
VICTORIA—David Ferne, BCom'54, 1681 Derby Road.

Branches and Contacts

British Columbia

ALICE ARM—Harry Bapty, BASc'47.
BELLA COOLA—Milton C. Sheppard, BA'53. BEd-'54, Box 7.
BRALORNE—Charles M. Campbell, BA,BASc'38, Manager, Bralorne Mines.
CASTLEGAR—Edwin McGauley, BA'51, LLB'52, Box 615.
CLOVERDALE—Rees L. Hugh, BA'53, Box 730.
CRANBROOK—Eric C. MacKinnon, 233 - 14th Avenue S.
CRESTON—R. L. Morrison, BA'28, BASc'29.
DAWSON CREEK—Mr. and Mrs. Roger F. Fox, BA'51, 412 - 99th Street.
FERNIE—Kenny N. Stewart, BA'32, The Park.
GRAND FORKS—James Henniger, MD'54, Box 309.
HANEY—G. Mussallem, c/o Haney Motors.
HATZIC—Reeve W. R. Jack, BA'35, MA'37, Ferncliff Gardens.
HOPE—Roy Felix Thorstenson, BA'40, District Superintendent of Schools, Drawer 700.
INVERMERE—Mrs. G. A. Duthie.
KIMBERLEY—Wm. H. R. Gibney, BASc'50, 26 - 1st Avenue, Chapman Camp.
LADNER—L. L. Goodwin, BA'51, BEd'54, Principal, Ladner Elementary School, P.O. Box 100.
LILLOOET—D. Ian Cameron, BA'49, c/o B.C. Electric Company, Shalalth.
MISSION CITY—Fred A. Boyle, BA'47, LLB'50, P.O. Box 628, Arcade Building, 12th Street.
NELSON—Leo S. Gansner, BA,BCom'35, c/o Garland, Gansner & Arlidge, Box 490.
OCEAN FALLS—John Graham, BASc'50, Box 598.
PORT MELLON—L. C. Hempsall, BASc'50, Box 128.
POWELL RIVER—Donald Stewart, BASc'46, 4557 Willingdon Avenue.
PRINCE GEORGE—George W. Baldwin, BA'50, LLB'51, 2095 McBride Crescent.
PRINCE RUPERT—James T. Harvey, Q.C., BA'28, P.O. Box 188.
QUESNEL—C. Gordon Greenwood, BEd'44, Box 1119.
SMITHERS—Laurence W. Perry, LLB'50, P.O. Box 790.
TRAIL—R. Deane, BASc'43, 1832 Butte Street, Rossland.
WHITE ROCK—Mr. and Mrs. Lynn K. Sully, BSA'44, BA'40, L. K. Sully & Co., 14933 Washington Avenue.
WILLIAMS LAKE—Mrs. C. Douglas Stevenson, BA'27, Box 303.

Canada (except B.C.)

ATLANTIC PROVINCES—Dr. Parzival Copes, BA-'49, MA'50, 36 Golf Avenue, St. John's Newfoundland.
CALGARY, ALBERTA—Richard H. King, BASc'36, Oil & Conservation Board, 603 - 6th Avenue, S. W.
DEEP RIVER, ONTARIO—Dr. Walter M. Barss, BA'37, MA'39, PhD'42, 60 Laurier Avenue.
MONTREAL, P.Q.—Lloyd Hobden, BA'37, MA-'40, 28 Arlington Avenue, Westmount, Montreal 6.
OTTAWA, ONTARIO—Thomas E. Jackson, BA'37, 516 Golden Avenue, Highland Park Drive, Ottawa 3.
PETERBOROUGH, ONTARIO—R. A. Hamilton, BASc'36, 640 Walkerfield Avenue.
REGINA, SASKATCHEWAN—Gray A. Gillespie, BCom'48, c/o Gillespie Floral Ltd., 1841 Scarth Street.
SASKATOON, SASKATCHEWAN—Dr. J. Pepper, BA-'39, MA'41, Dept. of Chemistry, University of Saskatchewan.
TORONTO, ONTARIO—John Ridington, BCom'56, 2 Lorne Avenue, Toronto 18.
WELLAND, ONTARIO—Charles Connaghan, BA'59, MA'60, Box 238, Fonthill.
WINNIPEG, MANITOBA—E. W. H. Brown, BA'34, Manager, Hudson's Bay Company.

Commonwealth

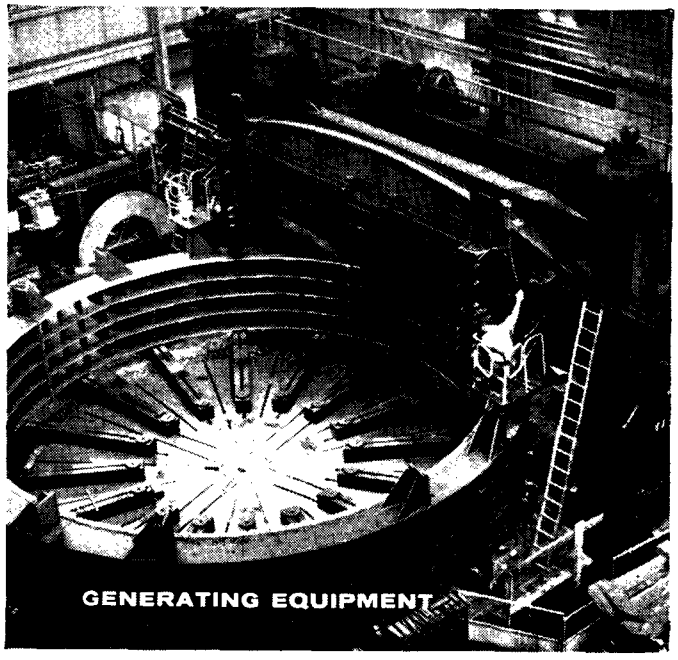
AUSTRALIA—Edmund E. Price, BCom'59, Box 3952, G.P.O., Sydney.
UNITED KINGDOM—Mrs. J. W. R. Adams, BA-'23, Thurnham Grange, Thurnham near Maidstone, Kent, England.

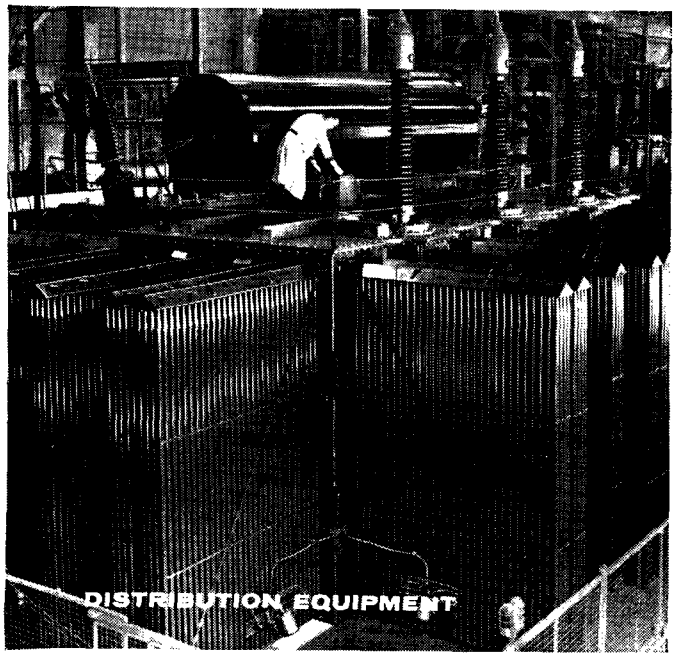
United States

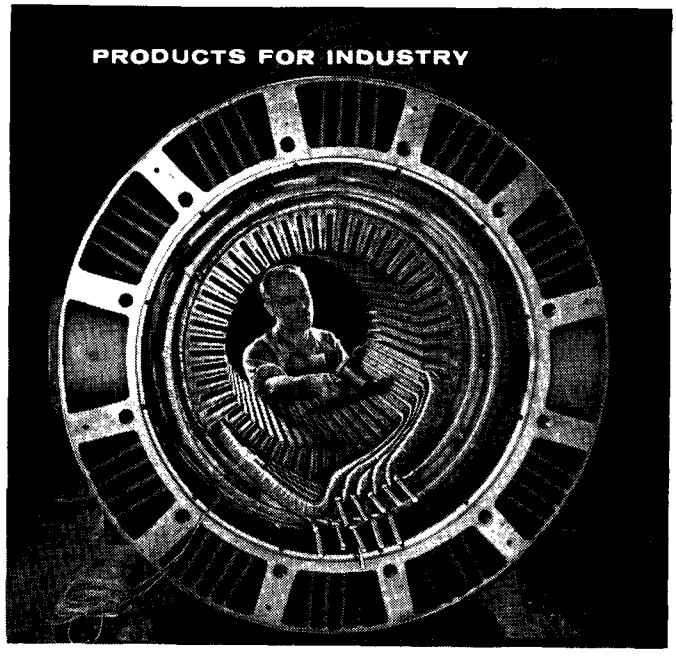
CALIFORNIA, NORTHERN—BERKELEY—Mrs. Lynne W. Pickler, BA'22, 291 Alvarado Road, Zone 5; MENLO PARK—Charles A. Holme, BCom-'50, 940 Cotton Street; SAN FRANCISCO—Dr. Oscar E. Anderson, BA'29, MA'31, 185 Graystone Terrace; SANTA CLARA—Mrs. Fred M. Stephen, BA'25, 381 Hayes Avenue; STANFORD—Harold J. Dyck. BA'53, Building 315, Apt. 14, Stanford Village.
CALIFORNIA, SOUTHERN—LOS ANGELES—Mrs. Elizabeth Berlot, BA'40, #40 - 3806 Carnavon Way, Zone 27.
HONOLULU, HAWAII—Donald M. McArthur, BA-'21, 295 Wailupe Cir.
NEW YORK, NEW YORK—Miss Rosemary Brough, BA'47, #4L - 214 East 51st Street.
PORTLAND, OREGON—Dr. David B. Charlton, BA-'25, 2340 Jefferson Street, P.O. Box 1048.
SEATTLE, WASHINGTON—Frederick L. Brewis, BCom'49, 10714 Lakeside Avenue, N. E., Zone 55.
SPOKANE, WASHINGTON—Don W. Hammersley, BCom'46, 212 Symmons Building.

Other Countries

GERMANY—Miss Inga Walter, BA'60, 7 Gryphiusstr., Hamburg 39.
ISRAEL—Arthur H. Goldberg, BA'48, P.O. Box 1713, Haifa.
JAPAN—Takashi Kiuchi, MA'60, 13,6-Chome, Iigura-machi, Azabu, Minato-Ku, Tokyo.







Canada's oldest and largest manufacturer of electrical equipment that generates and distributes electricity, and the products that put it to work in home and industry.

CANADIAN GENERAL ELECTRIC
COMPANY LIMITED

Progress Is Our Most Important Product

Mr. L.G.R. Crouch,
Department of Mining and Metallurgy,
CAMPUS.

Return Postage Guaranteed

doctor, lawyer, Indian chief and YOU . . .

the Bay has suits for every businessman . . . and more of them than anyone in town

It's a fact—when you choose your business suit at the Bay you're choosing from the largest selection in Vancouver! Doctors, lawyers, Indian chiefs will agree with you that this means you can get what you want in a ready-made suit. You want the suit (and we have it) that complements your body type in a current and flattering manner . . . that reflects YOUR personality with an air of confident good grooming. Find up-to-the-minute fashions including everything from conservative styling right through to the bigger-than-ever London natural look in imported or domestic fabrics . . . featuring newest blue-tone blends and muted checks. So, when you're looking for the right suit for curing ills, winning cases, or signing treaties, shop at the Bay . . . YOUR suit is waiting for you with our guarantee of satisfaction.

• *Savile Row* • *Hyde Park* • *Warren K. Cook* • *Bayerest* • *Marble Arch*

Hudson's Bay Company.
INCORPORATED 2ND MAY 1670.

Open Daily 9 - 5 30 Shop Friday 9 - 9 Georgia at Granville MU 1-6211

another reason why men shop at the Bay