

# U BC REPORTS

## GRADS TRIPLE GIFTS

The University of British Columbia Alumni Annual Giving fund almost tripled in 1963, according to figures released recently.

The fund reached \$89,370.75 in the past year as compared to \$36,749.55 in 1962.

The number of alumni who contributed to the campaign increased by 50 per cent to 3,728 in 1963, and officials credit the growth to the campaign slogan, "Participation, not amount."

One out of six UBC graduates sent a contribution. "We must do even better this year," stated Paul S. Plant, Alumni Association president, "if we are to meet the alumni responsibilities to the University." The Association's goal for 1964 is to surpass the 6,000-donor mark.

UBC's graduate engineers set the best giving record in 1963 with one in four contributing. Runners-up were graduates of the library school, nursing, music and forestry.

Greater Vancouver support doubled, but Vancouver Island, excluding Victoria, gave the best support of any B.C. area as nearly one out of five graduates there contributed.

The growth allowed an increase of \$50 to \$350 in each of the Association's 42 MacKenzie Alumni Regional Scholarships. One entrance scholarship is awarded annually in each of the province's 42 electoral ridings.

Other major recipients of funds were President's Fund, \$13,140.44; Library, \$6,000.00; Frederic Wood Theatre Foundation, \$13,000.00; Winter Sports Arena, \$12,182.00; Friends of Agriculture, \$4,657.00; Olympic Hockey Team, \$5,510.00.



ALFRED T. ADAMS has been named executive secretary of the UBC Resources Committee which has taken over the responsibilities of the former UBC Development Fund. See story on page 3.

### Simon Fraser president to speak

Dr. Patrick McTaggart-Cowan, president of Simon Fraser University, will be guest speaker at the annual meeting of UBC's Alumni Association at the Bayshore Inn May 7.

Dr. McTaggart-Cowan will address the meeting on the subject of the new University on Burnaby Mountain which he heads.

The meeting begins at 6 p.m. with a preliminary cocktail hour followed by a banquet. Cost of the dinner is \$5. Advance table reservations can be made by calling the Alumni office, CAstle 4-4366, or in writing.

Alumni officials, hopeful of a record turnout for the annual affair, said advance reservations were advisable to avoid last minute disappointment.

Honoured guests at the meeting will be UBC's chancellor Dr. Phyllis G. Ross; UBC president John B. Macdonald; Judge J. B. Clerihue, chancellor of the University of Victoria; Dr. Malcolm Taylor, president of the University of Victoria; Chancellor Gordon Shrum, of Simon Fraser University, and Dr. McTaggart-Cowan.

An official notice regarding the meeting, together with the report of the Alumni Association's nominating committee, appears on page 3.

Mr. Robert M. Hamilton,  
School of Librarianship,  
Campus Mail

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### chancellor donates books

St. Mark's College at the University of British Columbia has taken a major step in the direction of becoming a research center through the generosity of Dr. Phyllis G. Ross, C.B.E., UBC's chancellor.

Dr. Ross has presented about 150 books and periodicals to the College to serve as the nucleus of a research collection in the history and thought of the early church.

The presentation was made to the Honourable J. M. Coady, chairman of the board of regents of the College.

Included in the collection is a 79-volume set of the "Corpus Scriptorum Ecclesiasticorum Latinorum," published since 1866 by the Vienna Academy of Letters and known as the Vienna Corpus.

This is the principal collection of scholarly editions of the works of the Latin fathers of the Church in the original language.

Another feature of the collection is the "Acta Apostolicae Sedis," the official publication of the Holy See, containing the definitive Latin text of all Papal documents.

Series of periodicals contained in the collection are "Traditio," a respected American publication which has appeared annually since 1935, and "Thought," a quarterly published by Fordham University, and containing important material in the fields of history and philosophy.

Rev. E. C. Garvey, principal of St. Mark's College, said the gift would be known as the Phyllis G. Ross Collection.

"The gift is a significant one for St. Mark's," said Rev. Garvey, "for it marks a new step in the development of the College in contributing to the diversified life of UBC."

He said the late Father Henry Carr, founder and first principal of the College, had wished it to develop into a center of research and study as well as serving the needs of Catholic students at UBC.

### top students honoured

Thirty-two University of British Columbia students received awards for outstanding academic achievement during the 1964 Education Week, March 1-7.

The awards were presented by UBC's chancellor, Dr. Phyllis G. Ross, C.B.E., at a ceremony in International House on the UBC campus on March 5. Malcolm Scott, president of the Alma Mater Society, acted as master of ceremonies at the ceremony, which was also attended by UBC's president, Dr. John B. Macdonald.



BASIL STUART-STUBBS has been named librarian at UBC to succeed Dr. James Ranz. He is the first librarian to be chosen from among the ranks of existing library staff. See story below.

### graduate named librarian

President John B. Macdonald has announced the appointment of Basil Stuart-Stubbs as librarian of the University of British Columbia.

Stuart-Stubbs, 33, who has been acting librarian since January, takes office immediately. He is the first UBC librarian to be selected from the ranks of the existing library staff. He succeeds Dr. James Ranz, who returned to the University of Wyoming last year as dean of academic affairs.

Stuart-Stubbs is a native of Moncton, New Brunswick, and grew up in Moncton and Vancouver. He graduated from the University of British Columbia in 1952 with first-class honours in philosophy. He did graduate work in librarianship at McGill University, gaining the bachelor of library science degree in 1954.

Stuart-Stubbs' professional experience includes terms of service as reference librarian in the McGill University Library, and, since 1956, senior assignments in five different positions at the University of British Columbia.

His most recent appointments at UBC were as administrative assistant to the librarian in 1961-62 and as supervisor of collections in 1963. He had also simultaneously served as head of the special collections division since 1960.

Stuart-Stubbs is the author of several articles in librarianship and is now the editor of the "British Columbia Library Quarterly." In 1962 he received a grant from the Canada Council to gather material for a forthcoming book on the historical cartography of Canada. He is a member of five library associations and holds office in several committees.

Stuart-Stubbs is married to the former Nancy Ballard, herself a professional librarian and a graduate in library science from McGill University. They have two daughters.

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DR. CHARLOTTE FROESE



DR. ALEX RICHMAN



DR. JOHN BIRKBECK



DR. GORDON TENER

# UBC RESEARCHERS HONOURED

An associate professor of mathematics at the University of British Columbia is the first woman to receive a Sloan fellowship from the Alfred P. Sloan Foundation of New York.

She is Dr. Charlotte Froese, currently on leave of absence as a research fellow at the Harvard College Observatory in Cambridge, Massachusetts, where she is doing research on atomic structure theory.

Dr. Froese is one of two UBC professors to receive Sloan grants, which are regarded as one of the top scientific awards in North America.

The second UBC recipient is Dr. Neil Bartlett, associate professor of chemistry at UBC, who startled the scientific world in 1962 when he prepared the first true compound of the rare gas Xenon.

The UBC awards are two of 94 announced recently by the Alfred P. Sloan Foundation for fundamental research in the physical sciences. The total value of the awards to scientists in the United States and Canada is \$1.4 million. Sloan awards are normally made for two years.

Dr. Froese, 34, was born in the Russian Ukraine. She was a student at UBC from 1949 to 1954, and was awarded the degrees of bachelor and master of arts.

She carried out graduate work at the University of Toronto and Cambridge University. She received her doctor of philosophy degree from Cambridge in 1957.

Dr. Froese lectured at UBC in 1952 prior to taking up graduate work. She rejoined the staff of UBC in 1957 and was promoted to the rank of assistant professor in 1959 and associate professor in 1963.

The award of a Sloan fellowship to Dr. Neil Bartlett marks the third time in less than a year that he has received a major award.

In November, 1963, the National Research Council announced that Dr. Bartlett was the first recipient of the Council's new E. W. R. Steacie Memorial Fellowship, which gives outstanding and promising scientists the opportunity to spend two or three years in uninterrupted research.

In May of 1963 the Chemical Institute of Canada named Dr. Bartlett the first Noranda lecturer.

Dr. Bartlett, by successfully combining Xenon with another gas to form a stable compound, a reaction previously thought impossible, overthrew a number of existing theories on chemical bonding and opened up a whole new field of scientific investigation.

As a result of his work, the chemistry of the rare gases is now being studied all over the world.

Dr. Bartlett came to Canada from England in 1958 to join the UBC faculty as a lecturer in chemistry. He holds the degrees of bachelor of science and doctor of philosophy from the University of Durham.

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An assistant professor in UBC's department of psychiatry has been named winner of a \$25,000 grant from the Canadian Mental Health Association.

He is Dr. Alex Richman, 35, a member of the psychiatry department in the UBC faculty of medicine since 1957.

This is the second occasion that a UBC medical researcher has received the award. In 1960, Dr. Patrick McGeer was awarded \$22,500 for research into possible biochemical causes of schizophrenia.

Dr. Richman will use his grant to conduct further research into the ways in which the course and outcome of mental illness may be affected by social and cultural influences.

His particular area of interest is in social psychiatry, which deals with the relationship of mental illness and mental health to the social and cultural environment.

This includes the study of the kinds of persons and groups who tend to develop mental illness, the ways in which psychiatric disorders may change through time or in different social circumstances, and the prevalence of mental illness in the community.

Dr. Richman has participated in two surveys of psychiatric services in Canada, one with a CMHA committee, and more recently as project director on the extent and results of psychiatric treatment for the Royal Commission on Health Services.

Born in Winnipeg Dr. Richman was educated at the University of Manitoba, where he received his medical degree in 1953. He did post-graduate work at McGill, where he received his diploma in psychiatry in 1957, and John Hopkins, which awarded the degree of master of public health in 1960.

Dr. John A. Birkbeck, an instructor in UBC's department of paediatrics, has been named a 1964 Markle scholar by the John and Mary R. Markle Foundation of New York.

The appointment provides a \$30,000 grant to the medical school where the scholar will teach and carry out research. The grant is paid at the rate of \$6,000 per year.

The grants were first made in 1948 "to relieve the faculty shortage in medical schools by giving support to young teachers and investigators early in their careers."

Dr. Birkbeck was one of 25 faculty members selected for the 1964 grants. Only one other grant was made in Canada to a doctor at Dalhousie University.

Dr. Birkbeck, 31, joined the paediatrics department in 1962 as a research fellow in endocrinology. He is a graduate of the University of Edinburgh, where he received the degrees of bachelor of medicine and bachelor of surgery.

He came to Canada in 1957 and was associated with Kingston General Hospital, Ontario; the University of Alberta Hospital in Edmonton, and the State University of Iowa, before coming to UBC.

In 1960 he was named a Queen Elizabeth II fellow in paediatrics and the following year a U.S. Public Health Service fellow in paediatrics.

★ ★ ★

One of Canada's leading scientific lectureships has been awarded to Dr. Gordon Tener, associate professor in the department of biochemistry at UBC.

He will deliver the Merck, Sharp and Dohme lecture at the annual meeting of the Chemical Institute of Canada in Kingston, Ontario, in June. Dr. Tener will speak on "Studies on soluble ribonucleic acids" at the meeting.

Since 1960 Dr. Tener has been studying the biochemistry of nucleic acids under grants from the United States Public Health Service and the Medical Research Council of Canada.

Dr. Tener joined the UBC biochemistry department in 1960 to work on the biochemistry of nucleic acids, the basic genetic material for all living things.

Dr. Tener graduated from UBC in 1949 with the bachelor of arts degree. His postgraduate work was done at the University of Wisconsin, where he received the degree of master of science in 1951 and doctor of philosophy in 1953.

★ ★ ★

Dr. Leonard C. Jenkins, a clinical assistant professor in the University of British Columbia's department of surgery, has been awarded the \$1,000 Canadian Oxygen Prize in anaesthesia by the Canadian Anaesthetists' Society.

Dr. Jenkins received the award for a paper published in the Canadian Anaesthetists' Journal in November, 1963, dealing with the effects of drugs on the reticular system of the brain. The award is made annually for outstanding basic or clinical research in the field of anaesthesia.

The paper resulted from research carried out by Dr. Jenkins in cooperation with the UBC department of pharmacology. UBC faculty members who acted as advisers and consultants on the project were Dr. George M. Ling, Dr. George S. Penrose, and Dr. James Foulks.

The reticular system of the brain, or brain stem, is the enlarged part of the spinal column which forms the base of the brain and is believed to be the master control mechanism in the central nervous system.

Dr. Jenkins has shown in his experiments that greatly reduced quantities of drugs are necessary to induce anaesthesia when injected directly into the brain stem rather than intravenously.

"The implication of these experiments," Dr. Jenkins said, "is that these findings suggest that the general site of action of general anaesthetic is the brain stem reticular system, which has only been suggested previously."

Dr. Jenkins' experiments were also the first known instance of general anaesthetic being injected directly into the brain stem area.

The work also demonstrated clinically that persons suffering from such neurological disorders as paraplegia and quadriplegia require greatly reduced amounts of drugs to induce anaesthesia.

"These observations," he says in the paper, "emphasize the potential hazard of overdosage with central nervous system depressants in patients with decreased sensory inflow."

## Alumni Annual Meeting

Notice is hereby given that the Annual Meeting of the Alumni Association of the University of British Columbia will be held at the hour of 6:00 p.m. on Thursday, May 7, 1964, in the Banquet Room, Bayshore Inn, Vancouver, B.C.

Members of the Association in good standing are welcome to attend. Members wishing to submit nominations for any position on the Board of Management must do so at least seven clear days before the date of the Annual Meeting. Nominations must be in writing, signed by at least two members of the Association, and must be accompanied by the written consent of the nominee to stand.

All nominations must be in the hands of the Alumni Director on or before April 29, 1964, at the Alumni Office, 252 Brock Hall, UBC, Vancouver 8, B.C.

Tim Hollick-Kenyon,  
Alumni Director.

## committee nominates officers

On behalf of the Nominating Committee I have pleasure in submitting the following persons for election to the Board of Management of the Alumni Association for the year 1964-65:

**HONORARY PRESIDENT:** Dr. John B. Macdonald.

**EXECUTIVE COMMITTEE:** President, Mr. David M. Brousson; Past President, Mr. Paul S. Plant; First Vice-President, Mr. Roderick W. Macdonald; Second Vice-President, Mrs. David C. Ellis; Third Vice-President, Mr. John L. Gray; Treasurer, Mr. Donald McL. Anderson.

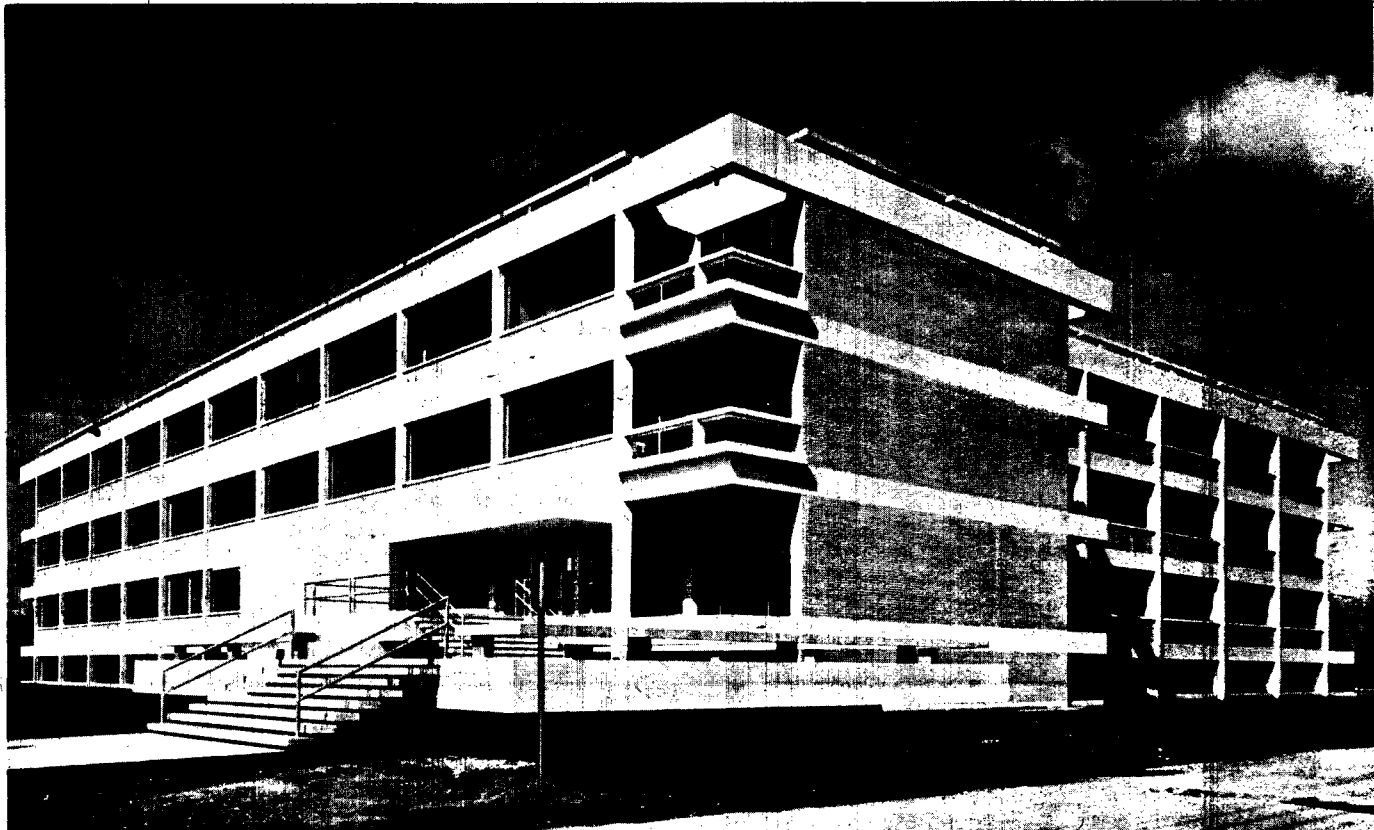
**MEMBERS-AT-LARGE:** Already elected for 1963-65 term—Mr. R. C. H. Rodgers, Mr. Gordon Olafson, Mr. John Carson; to be elected for the 1964-65 term—Mr. George Cumming; to be elected for the 1964-66 term—Mr. Don Hudson, Mr. Ron Nairne, Mr. Ken Martin, Mrs. John M. Lecky.

**DEGREE REPRESENTATIVES:** Agriculture, Dr. Richard Stace-Smith; Applied Science, Mr. David Carter; Architecture, Mr. Ray Toby; Arts, Mrs. B. M. Hoffmeister; Commerce, Mr. Gordon Elliott; Education, Mr. Stan Evans; Forestry, Mr. William Sharp; Home Economics, Mrs. James M. Clark; Law, Mr. Gordon Armstrong; Librarianship, Mr. Robert Harris; Medicine, Dr. Albert R. Cox; Music, Mr. Brian Todd; Nursing, Miss Muriel Upshall; Pharmacy, Mr. Norman Zacharias; Science, Miss Joan Arnold; Social Work, Mrs. Douglas Fowler.

**SENATE REPRESENTATIVES:** Mr. Justice Nathan T. Nemetz, Mr. Franklin E. Walden, Mr. Donovan F. Miller.

**REGIONAL REPRESENTATIVES:** Okanagan-Mainline, Dr. E. M. Stevenson; Fraser Valley, Mr. Norman Severide; Vancouver Island, Mr. John R. Caldwell.

**EX-OFFICIO MEMBERS:** Director, Mr. Tim Hollick-Kenyon; 1964 Grad Class President, Mr. Robert J. Gillespie; Student Council Reps, Mr. Roger McAfee, and another to be appointed by Students' Council.



**NEW ELECTRICAL ENGINEERING** building at UBC has been named for Dr. Hector J. McLeod, former dean of the faculty of applied science. The \$1,421,343 building, located at the south end of the campus on a 15-acre site

for the faculty, was officially opened in February. Completed engineering development will consist of six buildings. A building for the department of chemical engineering was opened in 1961.

## grads form joint alumni council

Announcement of the formation of a Joint Alumni Council of British Columbia by Alumni organizations at the Universities of Victoria and British Columbia was made in an announcement in Vancouver and Victoria during March.

Alumni officials said that they hoped Simon Fraser University would join the Council following formation of an alumni organization there.

Alumni officials emphasized that member Associations would continue to operate independently in such matters as policy-making, programming, fund raising, publications, athletics, and social functions.

Objectives of the new Council are cooperation in a public relations program for higher education, promotion of government relations programs for all B.C. institutions, coordination of joint activities such as regional conferences and other meetings, and specific campaigns from time to time in support of higher education.

Council members are the presidents and directors of each alumni organization and one appointee from the executive of each Alumni Association.

The first president of the Council is Paul Plant, president of the UBC Alumni Association.

## resources director named

The appointment of Alfred T. Adams as executive secretary of the University of British Columbia's Resources Committee has been announced by President John B. Macdonald.

President Macdonald said the Resources Committee would be responsible for the establishment of policy and the collection of gifts from private sources for support of projects at the University. The Resources Committee, he said, has taken over the responsibilities of the former UBC Development Fund.

The president also announced that Gordon Thom, former assistant director of the UBC Alumni Association, had been appointed assistant to the executive secretary.

Mr. Adams, who came to Canada last year, is the former general secretary of the United Federal Party of the Federation of Rhodesia and Nyasaland.

As general secretary and chief executive officer for the United Federal Party, he worked in close association with Sir Roy Welensky, prime minister of the Federation, which existed from 1953 until 1963, when the Federation was dissolved.

Before going to the Federation of Rhodesia and Nyasaland, Mr. Adams lived in South Africa where he was political organizer for the United Party of South Africa, headed by the late Field Marshal J. C. Smuts, and national public relations officer for the Automobile Association of South Africa.

Mr. Thom, who will assist Mr. Adams, worked on the Alumni Annual Giving program, Alumni annual events, and was business manager for the UBC Alumni Chronicle during the past two years.

Mr. Thom graduated from UBC with the degree of bachelor of commerce in 1956. He carried out postgraduate work at the University of Maryland, where he was awarded the master of business administration degree.

Before joining the Alumni Association staff Mr. Thom was employed by the Imperial Oil Co. and worked in Vancouver, Dawson Creek and Prince Rupert.

## five get Athlone awards

Four University of British Columbia engineering students and one graduate have been awarded Athlone Fellowships for advanced training in industry and universities in Great Britain.

Group A fellowships, tenable for two years, have been awarded to students Kenneth Dobell, Frank Dvorak, Gordon Lorimer, and Peter Shepard.

A group B fellowship, tenable for one year, has been awarded to Douglas Kilburn, who graduated with a bachelor of applied science degree in chemical engineering in 1958 and is currently employed as a chemical engineer with the B.C. Research Council at UBC.

Kilburn plans to enrol at University College, London, to begin work in the field of biochemical engineering leading to his doctor of philosophy degree.

Kenneth Dobell, a fourth year chemical engineering student, will spend the first year of his scholarship working in the plastics industry and then plans to enrol in a university for graduate work.

Dvorak, presently a graduate student in mechanical engineering, plans to enrol at Cambridge and continue work on his doctoral degree in mechanical engineering. He graduated in 1962 from Royal Military College, Kingston, with the degree of bachelor of applied science.

Lorimer, a fourth year chemical engineering student, will work in the petrochemical industry for a year before enrolling in a university.

The Athlone awards, first made in 1951, cover travel costs, living expenses and academic fees. Awards are made on the understanding that recipients will return to Canada.

Recipients are chosen by an interview board which visited 19 Canadian universities which grant degrees in engineering. A total of 40 awards were made this year.

## U BC REPORTS

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## Nuffield grant aids hospital

UBC has received a gift of \$150,000 from the Nuffield Foundation of Great Britain to defray part of the cost of administrative and teaching areas in the proposed Health Sciences Center.

Dr. John B. Macdonald, UBC's president, issued the following statement when the gift was announced:

"In 1936, when Lord Nuffield made his magnificent contribution of a Medical School Trust to Oxford University, the British Medical Journal remarked: 'Thus, although the lamp is to be kindled in Oxford, the whole country will share in its illumination.'

"The Nuffield Foundation which he established has now kindled a new lamp at the University of British Columbia which will, in the years to come, shed a new light on education of the health team across Canada as a whole.

"The Nuffield Foundation has granted \$150,000 to be used by the University of British Columbia in the development of its Health Sciences Center. This sum will be used to defray part of the cost of the administrative and teaching areas in the Centre. The significance of the gift is heightened by the fact that it is the first construction grant to a Canadian project from this famous Foundation.

"The Health Sciences Centre is located on a 40-acre portion of the Point Grey campus of the University of British Columbia which already offers training in medicine, nursing, pharmacy, rehabilitation medicine, clinical psychology, social work, etc. The new Faculty of Dentistry will take its first students in September 1964.

"At the present time, each is a separate entity with little opportunity for coordination or integration. From its beginning in 1950, the Faculty of Medicine has been a divided facility with its pre-clinical teaching on the campus and most of its clinical teaching at the Vancouver General Hospital, several miles distant.

"The development of the Health Sciences Centre has been based upon the concept that the health care of the future will be dependent upon a team approach where by all members of the health team will share the responsibility.

"It is obvious that if this goal is to be achieved, the team must be trained together on both the undergraduate and graduate levels so that each member of the team may be able to appreciate the contribution of the other. Thus, in the Health Sciences Centre each group will share the facilities, will get to know each other better, so that when they go out into the community they may be able to make the maximum contribution toward better health for our people.

"No such centre exists in Canada today; a few centres in the United States have, in recent years, begun this coordinated approach. Thus, the efforts of the University of British Columbia are pioneering in nature and may well serve as a model for the future.

"Solid beginnings have already been made. In 1961, three modern buildings were opened for teaching and research in the pre-clinical medical sciences. The Woodward Library now under construction will be opened in September 1964 and will house the collection in the biological sciences. New construction will begin shortly for the new Faculty of Dentistry. Working drawings will begin in the near future for a 410-bed teaching, research and referral hospital. It is contemplated that the complex will be completed by 1968.

"Since this is a new and pioneering effort for which no precedent exists, it is difficult to find sources of funds for certain aspects of the complex. Thus, the trust and the generosity of an organization such as the Nuffield Foundation is most welcome. Their generous gift will provide a portion of the funds that

will be necessary for the provision of the facilities for administration and those needed to allow the various members of the faculty and student body of the disciplines involved to get to know each other better during their training.

"It is confidently predicted that this coordinated approach will allow the more efficient utilization of the health team and provide the most desirable health care for our people in the future."

## dentistry accepting applications

The University of British Columbia Senate has approved admission requirements and first year courses for the faculty of dentistry, which will enrol its first class of students this September.

Candidates for entry into the new faculty must complete three years of pre-dental work in either the faculty of arts or faculty of science at UBC, and obtain a minimum average of 65 percent, or second class standing.

Applicants who complete pre-dental work at other universities will have to submit evidence that they have completed equivalent courses and attained second class standing or better.

Students admitted to the first year of dentistry this September will take three courses in the faculty of medicine in anatomy, biochemistry, and physiology, and two courses in dentistry in oral biology and restorative dentistry.

The faculty is now accepting applications for entry into the first year program, which begins this September.

Tuition fees in dentistry are \$611 per year, the same as those for the faculty of medicine. This figure includes the annual Alma Mater Society fee.

## library cornerstone laid

The cornerstone for the University of British Columbia's \$950,000 Woodward Bio-Medical Library was laid on Friday, February 28.

Following the ceremony, newspapers containing an account of the event, together with a description of the Library and a history of Mr. and Mrs. P. A. Woodward's Foundation, were sealed in a copper capsule and placed in the foundation of the Library immediately behind the cornerstone.

Mr. and Mrs. P. A. Woodward's Foundation has provided half the cost of construction of the building which will combine all UBC's holdings in the fields of human biology, the pre-clinical health sciences, and, eventually, the clinical health sciences.

The building is being constructed on the site of the University Health Sciences Center on University boulevard opposite the War Memorial gymnasium. The center will include a 400-bed teaching and research hospital and facilities for the faculty of dentistry, and the schools of rehabilitation and nursing.

Dr. Phyllis G. Ross, C.B.E., chancellor of the University, chaired the cornerstone ceremony, and the cornerstone was laid by Mr. P. A. Woodward.



DR. J. ROSS MACKAY, professor of geography at UBC, has been named chairman of the board of governors of the Arctic Institute of North America. See story below.

## geographer heads Institute

Professor J. Ross Mackay, of the department of geography at the University of British Columbia, has been elected chairman of the board of governors of the Arctic Institute of North America for 1964.

The Institute, which has offices in Washington, D.C., New York, and Montreal, annually administers grants totalling about \$1,000,000 for research projects in the Arctic and Antarctic regions.

The Arctic Institute, a private, non-profit organization founded in 1945, works in close collaboration with government agencies, universities, scientific societies and others concerned with various phases of polar studies.

In addition to promoting research, the Institute publishes a quarterly scientific journal entitled "Arctic," a comprehensive survey of polar literature entitled "Arctic bibliography," as well as technical papers and special publications.

Prof. Mackay said the research activities of the Institute are carried out primarily in fulfillment of contracts with various agencies of the Canadian and American governments. The outstanding financial need, he said, is for unrestricted funds to support individual research projects.

"The Canadian government," he added, "through several departments, has provided substantial support, but that from corporations engaged in northern development lags far behind."

Prof. Mackay, who has himself carried out a number of research projects on grants from the Institute, has been a member of the UBC faculty since 1949. He is a former president of the Canadian Association of Geographers and has spent nine summers in the Canadian Arctic on field projects.

Last summer, with another member of the geography department, he spent three months in the MacKenzie river delta area after navigating a freight canoe 1,000 miles down the MacKenzie river.

Prof. Mackay has published many papers in scientific journals, the bulk of them dealing with Arctic research.

## Red Cross honours University

The Canadian Red Cross has honoured the University of British Columbia with a Centenary Red Cross award for UBC contributions to annual blood clinics and water safety programs.

The award was presented to UBC president John B. Macdonald and AMS president Malcolm Scott by Mr. Clare E. Choate, president of the Vancouver branch of the Canadian Red Cross.

Since 1947, members of the UBC student body, faculty, and staff have contributed a total of 53,094 pints of blood at the two annual clinics held on the campus in October and February.

In 1953 UBC inaugurated the "Corpuscle Cup," an annual inter-university award which has spurred competition at annual blood clinics at other Canadian universities.

Since 1946 UBC has also carried on a water safety service program in cooperation with the Canadian Red Cross.

An average of 2,000 certificates a year are issued to children, students, and adults who graduate from courses held on the campus in the summer and fall.

UBC also sponsors two instructor training schools during the year which are open to all students. About 50 certified instructors graduate from the program annually.

In addition, two Red Cross-sponsored instructor schools annually use University facilities and graduate 100 certified instructors.

Students from UBC's school of physical education and recreation also act as Red Cross assistant directors at instructor courses, examiner clinics, and instruction supervisors at various water safety courses.

## commission marks 50th anniversary

A Burnaby student registered in UBC's faculty of graduate studies has been awarded a \$500 scholarship to mark the 50th year of operation of the North Fraser Harbour Commissioners.

Winner of the award is William H. Griffiths, 8643 Tenth Ave., Burnaby, who is studying for his master of business administration degree at UBC.

The Golden Anniversary scholarship was awarded for research in the field of water transportation, related in some way to the operation of the North Fraser Harbour Commission. Griffiths' thesis will deal with the relationship of land use to water transportation in the Vancouver area.

## thirty get book prizes

Book prizes valued at \$250 have been awarded to 30 University of British Columbia students in Italian studies.

The presentation in the Penthouse of the Buchanan building was made on behalf of the Italian government by the Consul, Dr. Guido Pagano.

Dr. Pagano also presented a collection of books on Italian art to Ian McNairn, associate professor in the fine arts department.