

# U BC REPORTS

## CHANCELLOR TO BE INSTALLED MAY 24

Dr. Phyllis G. Ross, CBE, will be installed officially as chancellor of the University of British Columbia on Thursday, May 24, the first day of UBC's spring congregation.

Representatives from universities throughout the world have been invited to attend the installation ceremony. Dr. Ross was elected chancellor of the University in November, 1961, to fill the unexpired term of the late Dr. A. E. Grauer, who died in July, 1961.

Only one honorary degree will be awarded at the two-day spring congregation. The degree of doctor of laws (LL.D.) will be conferred on UBC's retiring president, Dr. Norman A. M. MacKenzie.

The citation for the degree will be read on both days of congregation, and Dr. MacKenzie will receive the degree on the second day, May 25.

Dr. MacKenzie will deliver the congregation address on both days.

### new senator named

Mr. Arthur P. Dawe, of Okanagan Mission, B.C., has been appointed a member of the Senate of the University of British Columbia to succeed Dr. Phyllis G. Ross, who was elected chancellor in November, 1961.

As chancellor of UBC, Dr. Ross becomes an ex officio member of the University Senate.

Mr. Dawe will sit on Senate as one of 15 persons elected by Convocation, which is made up of all graduates of the University. Mr. Dawe stood 16 in terms of the number of votes cast at the election of Convocation members in 1960. He will fill the unexpired term of Dr. Ross.

Mr. Dawe graduated from UBC in 1938 with the degree of bachelor of arts. He was admitted to the B.C. Bar in 1942.

He has been active in alumni affairs in Kelowna for many years, having served as president of the Kelowna branch of the UBC Alumni Association in 1958 and 1959.

During the development fund campaign of 1958 and 1959, Mr. Dawe was chairman of the Kelowna fund drive committee.



JAMES M. MINIFIE

## Minifie speaks to grads

The noted journalist and author James M. Minifie will be the guest speaker at the annual meeting of Convocation and the UBC Alumni Association in the Hotel Vancouver on May 10.

Mr. Minifie, author of the controversial book, "Canada — Peace maker or Powdermonkey," is correspondent for the Canadian Broadcasting Corporation in Washington, D.C.

The Alumni dinner meeting will begin at 6:45 p.m. in the Hotel Vancouver ballroom. Refreshments will be served in the lounge adjacent to the ballroom at 5:45 p.m.

Tickets, at \$5 per person, may be reserved by phoning the Alumni Office, CAstle 4-4366. Graduates and friends are urged to make reservations early.

Another feature of the annual meeting will be entertainment by the noted pianist and comedian George Feyer. Mr. Feyer is famous for his "Echoes of Paris" recordings and his witty and original musical parodies.

He will play before and during the dinner and will entertain guests following the banquet.

The meeting will also include election of a president for 1962-63 to succeed the current president, Dr. William C. Gibson. A new board of management will also be elected at the meeting.

The gathering will consider proposed changes in some of the by-laws of the Association. Reports by various committees will also be presented.

## new summer session rules

New regulations affecting registration for the University of British Columbia's summer session from July 3 to August 17 have been announced by the registrar's office.

Registrar J. E. A. Parnall said that new students planning to attend summer session for the first time must register before June 1. No new students will be permitted to register after this date.

Students who have attended summer session in the past are also expected to register by June 1. After this date, former students will be charged a late registration fee of \$20, instead of \$5.00 as in previous years.

The last day of registration for former students will be June 25, Mr. Parnall said.

Dr. Kenneth Argue, director of the UBC summer session, said approximately 6000 students were expected to register for a total of 208 credit courses offered by 30 departments. Registration for credit courses last year was 5,153.

A full range of courses in the fields of anthropology, chemistry, commerce, economics, education, fine arts, languages, history, mathematics, home economics, music, theatre and zoology are offered for credit.

New courses include an introduction to physical oceanography, history of the fine arts and the history of Australia, New Zealand and South Africa.

Courses will be instructed by more than 200 persons — 80 of them visiting professors from Canada, the U.S. and Europe, the balance from the UBC faculty.

Among the guest instructors will be Dr. Karl Bernhardt, director of the Institute of Child Study at the University of Toronto; Dr. Welty Lefever, of the school of education at the University of Southern California, and Dr. Ralph Dahrendorf, of the department of sociology at the University of Tibingen, Germany.

Calendars for the summer session are available at the registrar's office, UBC, Vancouver 8.

## new look for UBC newspaper

"U.B.C. Reports" has a new look, thanks to the cooperation of typographer Robert R. Reid and his class of students at the Vancouver School of Art.

Reid, who recently received a Canada Council grant which will permit him to visit printing plants in England and on the continent, invited the editor to confer with students at the Art School with a view to redesigning the publication.

The work of one of the students, James Rainey, proved so attractive that it was decided to alter the appearance of the paper to conform with his design.

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## extension summer program

The 25th annual summer school of the arts at the University of British Columbia offers an extensive program in theatre, music, art and dance from July 3 to August 18.

During this seven-week period, hundreds of students from all parts of Canada and the United States will have the opportunity of studying both credit and non-credit courses under national and internationally-known instructors. In addition, comprehensive programs in communications and public affairs will be featured.

Guest directors for the 1962 sessions will be: Dr. Francis Hodge, department of drama, University of Texas; Joseph Gifford, assistant professor of dance, Boston University; French Tickner, Opera Theatre, University of Southern California, and Tony Urquhart, resident artist, University of Western Ontario.

The summer school of theatre, directed by Dorothy Somerset, will provide courses in acting, speech, directing, children's theatre and stagecrafts. Students will also participate in a major drama production in studio performances.

Under Hans-Karl Piltz, UBC department of music, the high school band and orchestra workshop will again offer young instrumentalists an opportunity to work with outstanding directors in numerous instrumental fields, while the opera workshop will emphasize training and experience in the "stage arts" of the opera singer.

Mr. Gifford will conduct a program in which contemporary dance will be integrated with the related arts of music and design.

Courses for beginning and advanced students will be available in painting, drawing, ceramics and sculpture, during the summer school of visual arts under Mr. Urquhart, John Reeve, Takao Tanabe, Hilda Ross, John Dobeiner and Phil Thomas.

Featured on the public affairs program will be a major international seminar dealing with the Middle East which will be presented with an "East-West" Dialogue in which Occidental and Oriental cultures will be compared and contrasted. There will also be a national seminar on "French Canada."

Noted drama critic and TV personality, Nathan Cohen, will conduct the popular noon-time lecture interviews, held in conjunction with the Vancouver International Festival, while evening lecture series devoted to the fine arts and public affairs will be held on Tuesday and Thursday evenings during July.

A series of one-week, non-credit short courses in radio, television and film will be offered on the summer school of communications program. Detailed information concerning courses, fees, scholarships and accommodation may be obtained by contacting the UBC extension department.

# THE PRESS ON THE PRESIDENT

(The following are tributes to President N. A. M. MacKenzie which appeared in Canadian newspapers and periodicals shortly after he announced that he would retire on July 1 of this year).

"The news of his (President MacKenzie's) retirement from the presidency of the University of British Columbia will surprise many of his friends who felt that his energy and his talents at the age of 67 were wearing too well to permit him the luxury of leisure. But Dr. MacKenzie says he wanted to quit while the going was good and the board of governors accepted his decision.

"The going at the University of British Columbia has indeed been good. When he assumed the post in 1944, UBC was a small institution. Today it ranks third in numbers among Canadian universities. Its magnificent site is now dotted with fine new buildings and, if Dr. MacKenzie has proved the capacity to attract capital and grants, he has known how to attract and hold fine scholarship as well. The University of British Columbia rates high.

"The achievements of this remarkable man have not, however, been confined to the campus. He has had time to perform many services for his country, not least of which have been his chairmanship of the Wartime Information Board and membership on the Massey commission from whose deliberations the Canada Council was born. It can be safely predicted that his talents will not be permitted to rest unburnished." — The Amherst Daily News, Nova Scotia.

"Retirement of Dr. Norman A. MacKenzie, UBC head since 1944, takes from education a great Canadian, and an exceptionally brilliant and outstanding university president. His human qualities, capacities and achievements earned him world recognition, as they did for UBC.

"The meteoric expansion of UBC . . . his ability to raise millions of dollars by public subscription, and governmental acceptance of his repeated declaration that 'education is everybody's business,' all measured the man.

"The growing prestige of UBC has been due to Dr. MacKenzie's sustained and inspired leadership. He has been acclaimed as one of the top men in Canadian academic life. A man who had the saving grace of not taking himself too seriously, Dr. MacKenzie also exhibited a sense of fitness, observing retirement was 'the best thing to do while you are still held in some regard.'" — The Saskatoon Star-Phoenix.

"Announcement of the impending retirement of Dr. Norman A. M. MacKenzie . . . marks the end of an era. Academic historians of the future may regard it as 'the era of growth' marking as it does two decades of explosive development rarely matched in the annals of higher education in this country.

"For 30 years before 'Larry' MacKenzie arrived at Point Grey, UBC had been the poor stepchild of well-intentioned but impoverished governments. . . . In the closing days of the war, Dr. MacKenzie was appointed and began transforming the campus. To house the great influx of veterans, he took advantage of (perhaps 'stole' is a better word) some abandoned army huts, and, once they were safely installed, blandly informed the army that they would make fine temporary buildings for his students.

"The impact of the new president's personality on the city of Vancouver was soon felt. Relations between 'town and gown' which had been extremely remote, became intimate. Prominent industrialists began to cooperate with the University in research projects . . . Bursaries and endowments were established. Staffs were expanded and salaries raised.

"As a fund-raiser Dr. MacKenzie was in a class by himself. But he was more than that — a warm and sensitive human being of broad background and liberal outlook, who sought to build in British Columbia an institution which could take its place in the international fraternity of scholars. . . .

"Today . . . Dr. MacKenzie can look back with satisfaction on 18 years of productive work . . . But his enduring monument is the University of British Columbia as it stands today. With some dedicated help he made it. He deserves the thanks and gratitude of all the people of the province." — The Victoria Times.

"Dr. Norman MacKenzie, president of UBC, has announced his retirement . . . Dr. MacKenzie has been one of the most active and most loved presidents of UBC or, for that matter, of any other (university). During his presidency, the University grew from some 2000 students to one of well over 10,000. He made many trips throughout the province during his years of office securing interest in the work of the University and support of its financial needs . . ." — The Grand Forks Gazette.

"Today our university is one of the great institutions of the North American continent, and the largest single administration unit in Canada . . . All this has been achieved in the face of the difficulties that might be expected with growing pains. There has never been enough money, some folks have grumbled at the rate of growth that could not be avoided . . .

## a new bill to aid amateur sport and fitness in Canada

### A TURNING POINT

By PROF. R. F. OSBORNE

Director, School of Physical Education & Recreation

On September 25, 1961, the House of Commons of Canada passed unanimously Bill C-131, an Act to Encourage Fitness and Amateur Sport. This piece of legislation gives every indication of being the turning-point in the history of Canadian physical education in its broadest sense.

When the prime minister made his startling announcement that the federal government would provide \$5,000,000 per annum for the purposes of the Act, there were two very interesting reactions. In an over-simplified way, it can be said that individuals and organizations intimately concerned with amateur sport were jubilant. They envisaged a bonanza for organized sport, especially at the higher competitive levels. In contrast, others, assuming that most of the money would be spent on glamorizing the top levels of sport, especially international competition, were dubious or even critical.

Both groups were wrong as an examination of the Act reveals. Ten clauses give broad powers to the Minister of National Health and Welfare "to encourage, promote, and develop fitness and amateur sport in Canada." They include provisions for assistance to national and international amateur sport, for the training of coaches, for bursaries, fellowships and research, for conferences and propaganda, and other arrangements concerning co-operation with the provinces with respect to programs and facilities. The Act also authorizes the establishment of an advisory council with representation from all provinces. Subsequently, twenty-nine members and a chairman were appointed by the Governor-in-Council in January of 1962. This body, the National Advisory Council on Fitness and Amateur Sport, held its first meeting in Ottawa on February 5th and 6th. Its deliberations indicated a desire to implement a comprehensive, long-range program designed to reach all segments of the population, for people of all ages at the "grass-roots" in small communities, as well as for the highly proficient athletes striving to win international recognition.

There seemed to be a strong appreciation of the importance of education in all its aspects, which should result in developments of considerable significance to universities concerned with the preparation of professional personnel in the fields of physical education and recreation. The need for stepping-up the training of such personnel so that more and better leadership will be available to communities in all parts of Canada was clearly recognized. As a result, high priority was given to a program of bursaries, scholarships and fellowships. Unfortunately, from the university point of view, grants towards the provision of buildings are not likely to be forthcoming along lines adopted by the Canada Council. It is probable that financial assistance of this nature will depend very largely on the interests and initiative of the provincial governments.

One of the big jobs of the Council will be the development in the citizenry of an appreciation of the importance of fitness on a personal basis. Basically, the passing of Bill C-131 is clear evidence that the Government of Canada realizes that the physical fitness of its people is of such significance to the vitality of the nation that programs related to fitness and amateur sport cannot be left to chance.

Dr. Paul Dudley White, the eminent American cardiologist, has said:

"Exercise is important, not just physiologically and perhaps as a retarding factor in the development of the rusting of the arteries, but as an antidote for nervous tension. Many people do not realize that."

This matter should be of real interest and of some concern to the University in its broadest sense. A responsible and informed attitude on the part of University graduates will benefit not only themselves but also their communities. They would do well to reflect on another statement by Dr. White:

"Middle-aged fitness deserves the limelight now. We must not allow the new pressures of education of the mind to suppress the essential programs of the maintenance of physical fitness. There is no sense in highly educating the mind of a man who may be a brilliant contributor until his sudden death at thirty-eight or forty, or his crippling at some other age in middle life. It is not only uneconomical, but it is a grave mistake. Let us, therefore, while working for the fitness of our minds and souls, not neglect the fitness of our bodies."

"Through it all UBC has adhered to one standard: never turn away a young person sincerely desirous of an opportunity to learn. Perhaps that is why there were spontaneous student tributes to President MacKenzie as soon as his retirement was made known . . .

"During the past 18 years a big man has worked for the progress of higher education in British Columbia. His name is Norman MacKenzie." — The Abbotsford News.

"No university president . . . has made a greater contribution to continuing education than Larry MacKenzie. As an outstanding executive member of the Canadian Institute of International Affairs as well as a score of other Canadian organizations, as president of the Canadian Association for Adult Education . . . he has long been a leader in making the mature years of life an intellectually stimulating and adventuresome period.

"But these actions were of no greater consequence than his leadership within the University. When the fund for Adult Education made a sizeable grant to the Extension Department at UBC it was in part a recognition that its president had no equal in his appreciation of continuing education . . ." — J. Roby Kidd, writing in the CAEE publication, "Continuous Learning."

(The following letter was written to Dr. MacKenzie by a graduate, Mrs. Pat Marchak, a former editor of *The Ubyssy*, who now lives in Vienna.)

"Students often find it difficult to express their thanks to their teachers — not because they are lacking in appreciation nor because they fail to realize to what good they have been exposed — but simply because it seems so presumptuous to force themselves on your attention long enough to express such thanks.

" . . . With the announcement of your retirement, I can think of no method other than to be presumptuous and write a note of personal thanks.

"Thanks as a student who fully enjoyed the liberal and stimulating atmosphere of the University over which you presided. Thanks as a graduate who, having now met some of the products of less liberal environments, realizes again and again what fantastic good fortune she had in starting at UBC. And thanks as one of the many editors of *The Ubyssy* who admired and marvelled at your policy of letting us make our own mistakes — a policy which contributed more to our growth as thinking human beings than any form of censorship could possibly have done. But above all, thanks for the very personal contact you established with students, the interest you took in our work and the time you spent with us. . . ."

## dateline: VICTORIA

A \$5,000,000 construction program has begun at the new Gordon Head campus of Victoria College. The sod for the first building, a \$396,300 classroom building with a seating capacity of 850, was turned in January by the chairman of the Victoria College council, His Honour Judge Joseph B. Clearihue.

The classroom block will be completed for the opening of the fall term in September. Tenders will be called in March for a new student union building to be erected at Gordon Head.

President N. A. M. MacKenzie and UBC's chancellor, Dr. Phyllis G. Ross, CBE, were honoured at a reception at the Gordon Head faculty building in February. The principal of Victoria College, Dr. W. H. Hickman, and Mrs. Hickman, and Judge and Mrs. Clearihue received members of the faculty and College council and presented them to the guests of honour.

A link was severed with the early days of Victoria College recently with the passing of Mrs. Henry Esson Young, teacher of the first class to enrol in Victoria College. Mrs. Young, who retained a close association with Victoria College until her death, received an honorary doctor of laws degree at the first congregation ever held at Victoria College in May, 1961.

The former Victoria Normal School was renamed in 1960 the Henry Esson Young building, in honour of Mrs. Young's late husband, who was minister of education when the building was constructed.

SHORT SUBJECTS — Victoria College council has appointed Harold B. Elworthy, president of Island Tug and Barge Company, chairman of the Victoria College development board. He succeeds His Worship Mayor R. B. Wilson. . . . More than 200 high school students visited the College March 10. Following addresses by officers they were taken on guided tours of the buildings. . . . March 12 was B.C. Trustee's Day and officials from all parts of the province attended. Dinner followed a day of speeches, interviews with students, and conversations with members of the faculty. . . . B.C. Teacher's Federation Day followed on March 15 with a program of lectures and workshops followed by a dinner in the evening.





PROF. HENRY ELDER

## Cornell professor appointed

The appointment of Professor Henry Elder of Cornell University, Ithaca, New York, as director of the school of architecture at the University of British Columbia has been announced by President N. A. M. MacKenzie.

Prof. Elder, who is director of graduate studies in architecture at Cornell, succeeds Prof. Frederic Lasserre, who was director of UBC's school of architecture from 1946 to April, 1961, when he was killed in a climbing accident in the Lake District of England.

Dr. MacKenzie said Prof. Elder would take up his duties as head of the school of architecture at UBC on April 1.

Prof. Elder is a native of Salford, Lancashire, England, and was educated at the school of architecture, Manchester University, the Manchester College of Technology and the Royal Technical College in Salford, England.

He is a fellow of the Royal Institute of British Architects and the International Institute of Arts and Letters.

From 1933 until 1955, when he came to the United States, Prof. Elder combined a teaching career with the practice of architecture.

From 1933 to 1943 he was a partner in the firm of Roberts, Wood and Elder in Manchester, and from 1950 to 1956 was senior partner in the London firm of Elder and De Pierro.

From 1933 to 1950 Prof. Elder also lectured at the Manchester University of Technology, the Royal Technical College, Salford, and the Regional College of Art, Manchester.

From 1950 to 1952 Prof. Elder was associated with the Architectural Association School of Architecture in London as head of the "final school," or the fourth and fifth year program.

He was appointed vice-principal of the Hammersmith School of Building and Arts and Crafts in 1954.

In 1955 Prof. Elder went to Cornell as visiting critic in the College of Architecture. The following year he was appointed a professor of architecture and lectured on architectural design and the philosophy of architecture.

In 1958 Prof. Elder was appointed professor in charge of graduate studies in architecture.

During World War II Prof. Elder carried out research into the effectiveness of weapons and was a member of the 1945 British mission to Japan to examine the effects of the atomic bombs on Hiroshima and Nagasaki.

For his work during the war, Prof. Elder was awarded membership in the Most Excellent Order of the British Empire (M.B.E.).

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DR. JAMES RANZ

## new librarian appointed

Dr. N. A. M. MacKenzie has also announced the appointment of Dr. James Ranz, director of libraries at the University of Wyoming, as librarian at UBC.

Dr. Ranz succeeds Neal Harlow, who resigned as UBC's librarian in June, 1961, to become head of the library school at Rutgers University, New Jersey. Dr. Samuel Rothstein, head of UBC's school of librarianship, has been acting librarian at UBC in the interim.

Dr. Ranz brings to his new position an impressive background of academic studies and professional experience, Dr. MacKenzie said. He holds degrees from three universities, including the M.A. from the University of Michigan and the Ph.D. from the University of Illinois.

His professional career covers service at the University of Illinois library, the University of Virginia library, and the University of Wyoming, where he has been director of libraries since 1955.

Dr. Ranz is the former president of the Wyoming Library Association, president-elect of the Mountain Plains Library Association, and is currently a councillor of the American Library Association and chairman of the executive committee of the Bibliographical Center for Research in Denver. He is the author of a number of publications on library subjects.

Dr. MacKenzie said that as librarian at UBC Dr. Ranz will assume responsibility for the largest research library west of Toronto. The UBC library now has over 500,000 volumes and serves more students than any other university library in Canada. Its collections cover almost all fields of knowledge and in certain subjects such as Slavonic studies, fisheries, forestry, Asian studies, and Canadiana its holdings rank among the finest in the country, the president added.

Dr. Ranz is forty years old. He is married and has three children. He takes office on June 1, 1962.

## students end huge marketing simulation

The largest marketing management simulation ever conducted in North America has just been completed in the faculty of commerce at UBC.

James B. Warren, associate professor and chairman of the faculty's marketing division, said the simulation was one of the most successful projects ever conducted in the faculty both from the standpoint of student enthusiasm and as a teaching aid.

The simulation, the first ever held at a Canadian university, was carried out by more than 250 students in the marketing division of the UBC faculty of commerce and business administration in cooperation with Remington Rand Limited.

Marketing management decisions, prepared by students, were flown daily to Toronto and fed into UNIVAC, one of the world's largest and most complex computers.

Purpose of the simulation was to give students a fundamental understanding of marketing principles and an awareness of how marketing decisions affect a firm's total performance, according to Mr. Warren.

The simulation took place over a period of 12 weeks, with each week representing a calendar month in the operation of a company.

Participants were divided into five groups of seven company teams with seven members to a team. Each company was competing in three hypothetical geographical territories which together represented the national market. The company was in competition with six other companies in their industry in marketing an identical product.

Students were given certain basic information to start such as a demand forecast for each month of the year, a price structure for each area and a list of costs and charges which were made against the company for shipping, salaries, inventory and marketing research.

This information was programmed into the UNIVAC computer in Toronto and stored in the machine's "memory" for future use.

Each student team was given an unlimited budget and complete independence, but was held accountable for its progress on a profit and loss basis at the end of each accounting period.

Each week each team completed a decision form specifying their price for the coming month, the amount to be spent on advertising and promotion, the type of sales personnel to be employed and the number working in each area, and the number of products to be shipped to each area from the factory.

Within an hour this data was flown to Toronto where the decisions were fed into UNIVAC. The results, including net profit, emerged on a high speed printer some ten minutes after the data was put into the machine.

UNIVAC made hundreds of thousands of calculations in a few minutes to integrate the student decision into the total market picture. This was possible because of the total industry data previously fed

into the machine and stored in the "memory."

The results obtained from UNIVAC were then returned to Vancouver where students met again to make another series of management decisions and attempted to improve their profit position.

The students were not told that they were marketing a specific product, Warren said, because the object of the exercise was to illustrate general marketing principles, and was not intended to serve as a guide for marketing a particular type of product.

The product was defined as an item which performs an old function in an entirely new way and is sold to the consumer by commission salesmen.

"Simulations of this sort have been conducted before," Warren said, "but never on such a large scale. The project had considerable educational value for the student, and it also gave the faculty an opportunity to judge the effectiveness of our instructional program in marketing."

Warren said the students involved in the project were those taking the basic marketing course, which is compulsory for all commerce students, and those majoring in marketing and taking the terminal marketing course in their graduating year. Certain graduate students were also involved.

"It will be interesting," Warren said, "to compare the performances of upper year students to those who are just beginning to learn the principles of marketing."

The results of the student performance will also be compared to the performances of top executives in some United States and Canadian firms which have participated in the same marketing simulation.

## council makes grants

The Canada Council has made two grants totalling \$262,500 to the University of B.C. for two projects.

One grant of \$250,000 will be used to construct a multi-purpose theatre and classroom block. This will be the second unit of the fine arts centre which is being constructed on the main parking lot at the north end of the campus.

The first unit of the centre for the department of fine arts and the school of architecture is now almost complete.

The second Canada Council grant of \$12,500 is for development of a basement area in the new Gordon Shrum commons block in the new Marine Drive residence area. The development will contain recreational facilities for students in residence.

## due notice given

Due notice is hereby given to all members of the Alumni Association of the University of British Columbia that the annual meeting of the Association will be held on Thursday, May 10, 1962, at 6 p.m., in the ballroom of the Hotel Vancouver.

The by-laws of the Association provide that any two members of the Association may make nominations for positions on the board of management. Such nominations must be in writing and also show the willingness of the nominee to stand for office. All nominations must be directed to the Alumni director, 252 Brock Hall, UBC, at least seven days before the date of the annual meeting.

# U BC REPORTS

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A FEW OF THE 10,000 goldfish sent to the University recently by the Canada-Japan Society in Tokyo are held aloft by Dr. John Neill, director of landscaping and associate professor of horticulture in the faculty of agriculture. The goldfish were flown across the Pacific in fourteen huge plastic bags and henceforth will swim in the one-acre lake in the Japanese Garden on the UBC campus.

## research team appointed

A research team, led by a chemist whose work in the field of organic chemistry has been described as brilliant, will join the department of chemistry at the University of B.C. July 1.

Dr. N. A. M. MacKenzie, president of UBC, has announced the appointment of Dr. Anthony I. Scott, leader of the team, as an associate professor. Dr. Scott and his co-workers are currently at the University of Glasgow.

A second member of the team, Dr. Frank McCapra, has been appointed an assistant professor in the chemistry department. The other members are Dr. John Nabney, who will come to UBC as a postdoctoral fellow, and Mr. D. W. Young, a Ph.D. student.

Dr. C. A. McDowell, head of UBC's chemistry department, said Dr. Scott had distinguished himself by his brilliant work in the chemistry of naturally-occurring organic compounds, particularly those found in medicinal plants.

In particular, his work on fungus growth and its by-products, which produce antibiotics, has been widely acclaimed.

Dr. McDowell said the entire research team scored an outstanding success recently by preparing a complete description, including the geometrical properties, of gibberellic acid, a complex plant hormone.

The work which Dr. Scott and his associates plan to continue and undertake at UBC lies on the borderline between chemistry and biochemistry, according to Dr. McDowell.

He said it was proposed to set up special laboratories in the chemistry department for research on the methods by which plants produce medicinal by-products. This will involve the use of radioactive substances to determine how plants create these by-products.

## new coach for hockey

Father David Bauer, one of hockey's most famous coaches, has been named coach of the UBC Thunderbirds hockey team for 1962.

Father Bauer, who coached the St. Michael's College junior hockey team to the Canadian championship last season, is now on the staff of St. Mark's College at UBC.

As a player at St. Michael's College, Father Bauer was a team mate of many outstanding players who later became National Hockey League stars. As coach at St. Michael's he helped to develop many of today's NHL stars.

## student summer earnings

Only 15 percent of the students attending the University of British Columbia this year made enough money last summer to meet all expenses, according to statistics released by UBC's personnel and counselling bureau.

A total of 12,019 students reported that they earned a grand total of \$8,173,952. But only 1870 students reported earnings of \$1200 or more. UBC officials say \$1200 is a minimum figure for meeting all expenses for one year.

John F. McLean, director of the personnel and counselling office, emphasized that the students reported gross earnings only. "Most of those earning \$1200 or more would have some expenses during the summer," he pointed out, "and it is doubtful that their gross earnings would be available to meet expenses at University."

Mr. McLean added that if the 12,019 students who reported earnings were to meet all expenses they would have had to earn nearly \$14,500,000.

Overall average earnings by students were up slightly in 1961 as compared to 1960, the statistics show. First year male students averaged \$581 in 1961 as compared to \$555 in 1960 and male students in second, third and fourth year averaged \$888 in 1961 as compared to \$879 in 1960.

The figures also show an increase in the number of students making less than \$200 in the summer and an increase in the number earning more than \$1800 — 469 in 1961, 356 in 1960.

Other statistics collected by the bureau show an increase in the number of students planning to enter dentistry, librarianship and social work as compared to the previous year.

The number of students planning to enter a dental school has nearly doubled from 64 to 121, the number planning to enter library work has tripled from 28 to 84, and the number planning to enter social work has jumped from 165 to 316.

Other statistics reveal that there are 1675 married students on the campus with a total of 950 children between them. Most married students — 445 — have one child, 302 have two children, 156 have three and 47 have four or more.

# Senate changes compulsory program

The University of British Columbia Senate has approved a recommendation changing the compulsory physical education program from two years to one year, President N. A. M. MacKenzie has announced.

The recommendation was forwarded to Senate by the committee on recreation, athletics and physical education, which had been asked to study and report to Senate on the compulsory physical education program.

Under the new regulation only those students in either the first or second year who are in their first year of attendance at UBC will enrol in the program. The ruling will not apply to students in third or fourth year who have transferred from other institutions.

In its report the Senate committee on recreation, athletics and physical education said it was hoped that the new program would be more interesting and in all ways a better one.

The committee expressed the hope that students would continue to be interested in physical fitness, sports and recreation.

The committee said there was recognition of certain deficiencies in the existing program. When the program was introduced in 1945 it was well-recognized that additional staff and facilities would have to be provided to create an effective program.

The program has been retarded, the report states, because it had not proved possible to provide additional staff and facilities to the extent hoped for.

Insufficient importance, the report continues, has been attached to the mental health aspect of the activities and fitness program.

We are living, the report adds, in an age of increasing tensions, and stress disorders are on the increase. "If a proportion, however small, of the graduates of this institution acquire a continuing interest in an activity . . . as a direct result of the compulsory program, this must be regarded as a plus of no little importance," the report states.

A factor of no little importance in relation to the element of compulsion that exists in the present requirement is the lack of any uniform approach to physical education in this province's public and high schools, the report continues.

"Because of this," the report states, "students coming to this University are in a somewhat different position from university students in some countries where the opposite situation prevails in the schools and where it may not be considered essential to follow through with compulsion at the University level."

The committee said it was possibly more fitting to regard the required program as a service to new students, comparable in some respects to other services such as the UBC health service.

The committee also drew to the attention of Senate several new factors which were not evident last year and which can be expected to have considerable bearing on the required program.

The committee then listed new facilities such as the seven-acre Wolfson field for all-weather use, and the new winter sports center which will provide facilities for curling, hockey and ice skating.

The committee also drew attention to the recent federal legislation to provide assistance for a national fitness and amateur sport program.

Universities are being looked to to provide a great deal of the leadership and initial impetus for the program, the report states, and the position of our school of physical education in respect to staff and facilities conceivably can be so changed as to make possible an entirely new approach to the physical education requirement.

## professor lectures abroad

Prof. Earl Birney, of UBC's English department, has been awarded a one-year grant from the Canada Council to lecture abroad on Canadian prose and poetry.

Prof. Birney, one of Canada's best-known poets and novelists, will visit Latin America and the West Indies beginning early next summer to give readings of contemporary Canadian poetry and prose at universities and colleges.

Dr. Birney said the object of the lecture tour was to promote a wider knowledge of Canadian literature.

## cancer centre opens

UBC's \$625,000 Cancer Research Centre was officially opened March 18 by Sir Charles Dodds, director of the Courtauld Institute of Biochemistry in London.

The centre occupies part of one of the three new medical sciences buildings on University Boulevard. The three buildings came into use in September of last year and cost more than \$3,000,000.

The opening was the highlight of the annual meeting of the B.C. and Yukon division of the Canadian Cancer Society in Vancouver March 18, 19 and 20.

The new UBC centre has put cancer research in B.C. on a full-time basis. Some 15 medical scientists are at work at the centre on research grants and a team of doctors is working under the direction of the centre's director, Dr. Robert L. Noble.

The Centre is operated as a unit of the National Cancer Institute of Canada and is one of three full-time cancer research centres in Canada. Others are in Ontario and Saskatchewan.

## math courses continue

UBC will continue in 1962 the summer program of graduate courses in mathematics which it pioneered in 1961, Dr. Ralph James, head of UBC's mathematics department has announced.

During the 1962 summer session Dr. Mario Benedicty and Dr. Shoshichi Kobayashi will give courses in analysis and differential geometry. Last year more than 20 graduate students were registered for courses.

Last year UBC became the first Canadian university to offer a graduate program in mathematics during the summer. The Canadian Mathematical Congress supports the program with grants for tuition and travel to students working on their doctoral degrees.

A similar program will be given at the University of Montreal this year with courses being given in French.