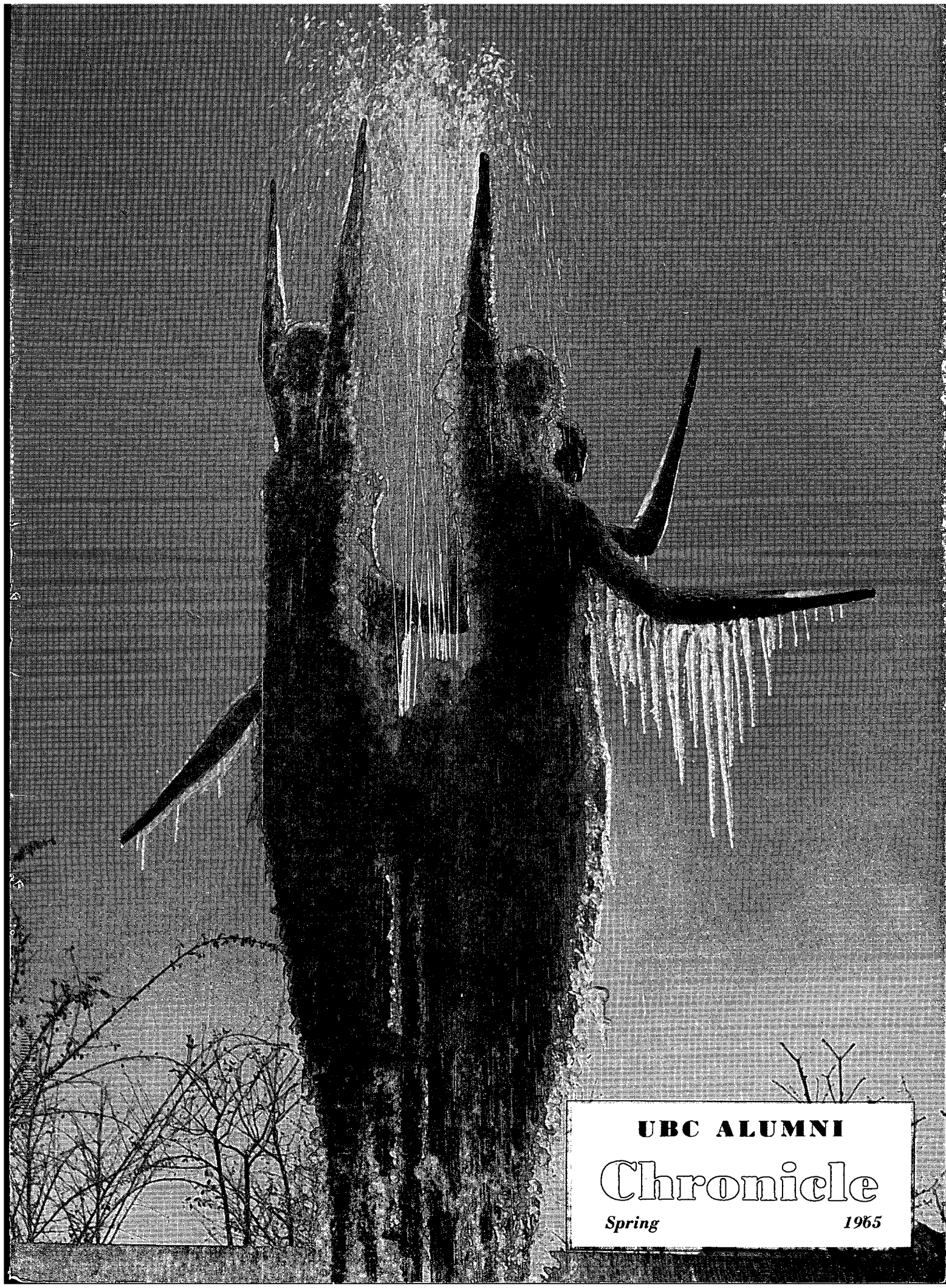

UBC ALUMNI Chronicle

Spring *1965*

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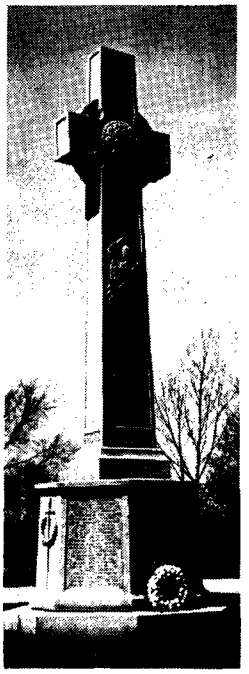

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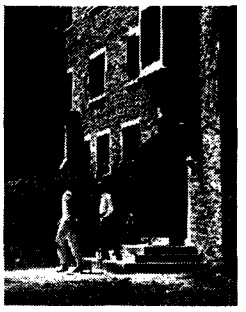

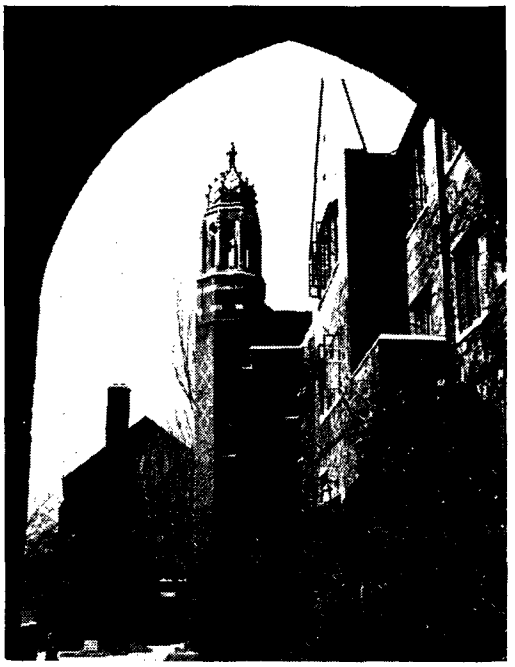

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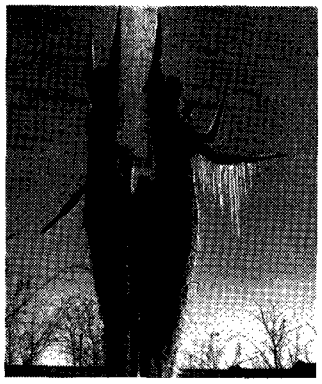

"Transcendence," by Jack Harman, is the sculpture which stands in front of the Graduate Student Centre. The editor hopes that March weather will make this photograph seem inappropriate for the Spring cover.

UBC ALUMNI CHRONICLE

Volume 19, No. 1 — Spring, 1965

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p. 27, David Henderson, Arts I.

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Guideposts, Innovations and Questions

David M. Brousson,
President, Alumni Association

THREE RECENT DOCUMENTS chart the progress of higher education in British Columbia. Let us briefly review them.

First, the Macdonald Report, early in 1963, analyzed the major problems, and presented a master plan for the growth of higher education in the entire province. Machinery for this has now been largely set up by the Government. Next, in January, 1964, the *Chronicle* published the "Challenge of Growth," a five-year plan by the Board of Governors for the orderly development of UBC, showing the financial requirements of that development. This plan, with the addition of requirements of University of Victoria and Simon Fraser University, prepared the way for the present 3 Universities Capital Fund campaign.

Most recently, late in 1964, has come "Guideposts to Innovation," a report of the President's Committee on Academic Goals, "a study of goals, and a series of recommendations . . . for consideration by the various governing bodies of the University." This consideration is now going on. The suggestions and arguments of this report make for stimulating and controversial discussion, which I commend to you.

This is a remarkable record of planning and progress in a short time, and reflects the courage and initiative of President Macdonald and his administration. I would like now to propose some problems that might well be studied, or re-studied, in the hope they will spark discussion among alumni and other friends of UBC.

•While many legislators and educators, jealously guarding their provincial rights, shudder at the idea of federal aid to education, many others believe that increased federal participation is essential for Canada's national wellbeing.

•Because of rapid technological changes, and the explosion of knowledge in many fields, new leadership is required in developing programs of continuing education and re-education to serve the needs of the community.

•New techniques of teaching and learning require the use of greatly expanded facilities in the audio-visual fields, and consideration must be given as to how these new means of communication can be used to best advantage.

•It has been suggested that an educational television station would enable UBC to offer many unique and special services to the community. This proposal could affect many fields, including adult and continuing education, as well as perhaps providing the facilities required for full development of the new audio-visual techniques.

•Athletic scholarships are disturbing to many, but others feel there is a place today for this type of student help in some form. Certainly there are strong feelings that the athletic program is due for review.

•A recent successful experiment in New York in development of the concept of a World College produced many ideas for programs of study and research by foreign students. Perhaps UBC's unique position as Canada's intellectual window on the Pacific and particularly on Asia offers some possibilities of increased leadership in this direction.

It would be presumptuous to offer solutions to these problems. I propose them only to challenge and stimulate. I do suggest that answers are needed to these and other questions, and that some of these answers may seem radical and strange, if they are truly keyed to this new world of 1965.

Since this is my last appearance in the *Chronicle* as your Association president, I am delighted to be able to conclude with a heartfelt expression of admiration for the magnificent gesture of Dr. H. R. MacMillan, referred to elsewhere in this *Chronicle* in more detail. Gifts such as this, and the great P. A. Woodward Health Sciences Centre contribution, announced a few months ago, cannot fail to inspire and encourage others, and should remind us all of our own responsibities, be they large or small. □

Dr. Ian McT. Cowan, BA'32

Ian McT. Cowan,
Dean of Graduate Studies

A new necessity of the new age—the PhD

THE MOST COMPELLING EDUCATIONAL PROBLEM besetting us today is one acknowledged throughout this continent. It is the growing scarcity of men and women equipped with the most advanced academic, professional and technical competence to staff our universities and colleges, to man our increasingly complex civil service and to provide the innovation and ability that will ensure the steady evolution of our industrial capacity.

L. V. Berkner, President of the Graduate Research Center of the Southwest, and one of the foremost scientists in the United States, emphasizes some of the urgency in this context when he says "No training of numbers at trade school, high school or college level can in itself maintain the new technology. We may, in the future, have to count 100 or more unemployed for every Ph.D. we fail to produce now". (The Scientific Age. Yale, 1964).

In North America the graduate schools and professional colleges of the larger universities are the only source of these people. My concern in this brief review is with the task that lies before us at the University of British Columbia and with the capability of our university to meet its directly foreseeable responsibility.

Education for tomorrow

The design and guidance of any educational program involves the exercise of foresight, for all education is directed toward the world of tomorrow. Inasmuch as we are dealing with populations of people, careful statistical studies can guide our predictions, provide us with the dimensions of our immediate task, and can also give us reasonably secure prescience over the next 10 to 15 years. However, one of the predominant facts of our time is the tempo of change. Almost every forecast we have made in the last 15 years has been short of reality and it is almost certain that our present estimates of the task ahead are conservative.

One aspect of the responsibility we must meet can be seen in the minimum needs for staff at the universities in this province. As nearly as this can be estimated the requirement will be for 125 new PhD's each year for the next ten years, subsequently the need will probably increase.

Today the annual output from the universities of Canada is about 300 PhD's per year to meet all the demands of the nation.

The needs of industry

It is more difficult to estimate the future needs of Canadian industry and government, but if we look to the south we can discern some important yardsticks. Every major industrial centre in the United States is closely related to an important university postgraduate school. In the active industrial areas the annual output of PhD's per million of population runs from 70 to 150. It is regarded as certain that our economic and social health requires in each major metropolitan area of this continent at least one great university competent to graduate no fewer than 200 PhD's per year.

Today we in British Columbia have achieved an output of 21 PhD's per year per million of our population—we have a long way to go.

It can properly be asked if there are sufficient high quality students to make our new program possible. The answer is an unequivocal yes. At the moment fewer than 20% of the university students capable of completing the PhD. degree ever enter graduate school and there is a vast wastage of the very able short of university entrance.

Already one province in Canada, Ontario, has recognized the great benefits that accrue to the province from a highly evolved graduate school and have set up provincial scholarship support for every registered graduate student.

(continued page 8)

The PhD - (from p. 7)

This enlightened step cannot but help to foster the more rapid social and industrial development of that province.

We at the University of British Columbia are not new to the field of post graduate education, we have had students embarked on the Master's degree program since 1920, we have 1,300 graduate students registered this year and 33 departments embarked on the PhD. program.

Our stated objective is to place greater emphasis on the PhD. program and at the same time to increase the number of graduate students at this University. These related efforts should make it possible to achieve our more refined objective of about 200 PhD's per year leaving our graduate school.

Program prerequisites

The prerequisites to the successful accomplishment of this program are clear.

•To reach down into our educational institutions so as to discern as early as possible students with the intellectual capacity and enthusiasm we need. Once these students have been identified, we must inform them of the opportunities available to them and the advantages accruing from the pursuit of their formal education to the ultimate of their capability.

•An increase by a factor of 6 or 7 in the money available as scholarships or research grants for the support of graduate students. Today the scholarship support for a full time graduate student on this continent approximates $3,000 per year.

•The development of a first rate teaching and research environment. In this I include office or desk space for graduate students, designed to present an environment in which they can work effectively, and well equipped laboratories in which the student acquires competence in the most sophisticated procedures of his discipline.

•A library in which the wealth of records, ancient and modern, serve to stimulate and excite the graduate students to new heights of achievement.

•A faculty of high calibre skilled in the art of communicating to their students their knowledge, skills, patterns of thought and their delight in intellectual adventure.

•Housing facilities for single and married students adequate to permit a substantial number of graduate students to live close to the university under circumstances where privation and concern for the wellbeing of their families will not interfere with the primary dedication to year round study and research.

Investment and Dividends

The program upon which we are embarked is highly demanding of faculty dedication, it exhorts the students to constantly higher levels of achievement, and it will be costly. The provision of adequate financial support is the limiting element. It will be sought from all levels of government, from foundations and from all other possible sources. We seek this support in complete confidence that this is social investment of great merit, that every dollar invested in this program will return as dividends. The return will be directly to the nation in the increased taxes paid upon the higher incomes earned by those of superior qualifications, and indirectly through the higher levels of employment and the elevated standard of living that will arise from the impact of the graduates upon the society they enter.

(Since this article was written the H. R. MacMillan gift has been announced.—Ed.)

We are convinced also that the burgeoning of scholarship on this campus will make a significant impact upon the quality of the undergraduate education we can offer. This is indeed an important element in our objective. A poor undergraduate environment would be destructive to our graduate objectives.

Calm Hours of Leisure

If we look at the four goals that most of us pursue, they are in the end very simple. Making a living is the first one. Being useful in some way is another. Having some individual quality of excellence all one's own is a third: whether it is a great excellence or a small is not relevant. We tend to overlook one of the most essential goals, the fourth. As age and tension increase, there arises for all of us a need to have the wherewithal and the capacity to escape, to get away. Not back into work or the pursuit of excellence, but into the relaxation for mind and spirit out of which maturity comes. And we are giving our young people too little time for this relaxation. Study is only one part—and the older I get I think not necessarily the more important part—of this process that goes on here for several years. A great deal of growing up has to be done, and our best growing may occur during the unhurried hours when we are not driven from task to task, the hours of free time and leisure when, quietly, things soak in. Why should we deny our young people the calm hours in which, above the tumult and the shouting, they hear the still small voice within themselves?

— Alexander M. Buchan,
Washington University

Six students work on the Oyster River farm each summer.

UBC's Island Classroom

Mamie Moloney Boggs, BA'29

NINETY MILES north of Nanaimo on Vancouver Island lies a little known but integral part of UBC, an essential functioning component of the university. It is University Research Farm No. 2 at Oyster River and well worth a visit from the layman who, in today's urban society, might never get closer to a cow than a glass of milk.

The farm was left to the University in the will of Mr. Barret Montfort who stipulated that it be used for both research and instruction of students in UBC's Faculty of Agriculture. It comprises two units, one of 350 acres of which 250 are under cultivation, and a ranch of 1200 acres of which 204 have been cleared and which provides summer pasture for beef and young dairy cattle.

We were fortunate to visit the farm at milking time and watched, fascinated, while two men milked 80 cows in quick time. They handle six cows at once by what is known as the "parlor system." The cows literally knock at the "parlor" door when it's milking time, rush into their stalls and munch hungrily at their feed while the attendants attach the electric milking devices.

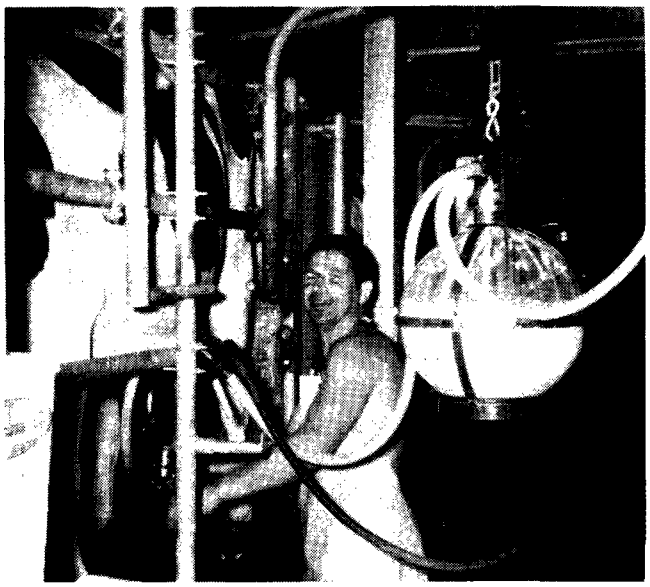
You watch through viewing windows the milk spurting from the cow through clear plastic tubing into round glass containers which, when full, are weighed and recorded. The milk then continues on its course through more plastic pipes into a 900-gallon stainless steel cooling tank which immediately brings it down to a temperature of 37 degrees.

It's quite a show. Three or four truckloads of milk go every week to the Comox Creamery and to Victoria. The farm's dairy cattle are a self-sustaining operation and provide a revenue of around $45,000 annually.

Feeding, milking and caring for the herd is done by only three men because the barns are organized to save labor. There is a "loose housing" system for sleeping with free stalls in which the cows do not have to be tied in for the night. According to herdsman John Wickson, "the cows like it that way" and learn to pick their own regular sleeping quarters. Waste is cleared from the barns mechanically, by a tractor fitted with a scoop, and the manure taken out to the fields for fertilizer.

In addition to supporting 200 head of cattle, the farm grows elite seed and carries on experiments in plant breeding. This year an acre has been turned over to holly to test the growth and vigor of different varieties. This is a co-operative project with the federal government's experi-

(continued page 10)



Milking 80-odd cows is a mechanized operation at UBC farm.

mental farm at Saanichton and is being carried out with no cost to the university except provision of the land.

But perhaps the most interesting experiment going on is a long-term project in criss-cross breeding of cattle. Under the direction of Dr. J. C. Berry, professor of animal science, Ayrshire and Holstein cattle are cross bred and the criss-crossing started with two groups of crossbreds. Pure breeding is continued in both herds to provide the necessary experimental controls.

According to an article in *Country Life in British Columbia*, these experiments go a step farther than any other such cross-breeding research so far attempted on this continent. It will be five to ten years before results are known. Proportions of genes coming from the two breeds will stabilize at the fifth generation. The experiment will be evaluated on the basis of milk production, growth rate, conformation, longevity and net returns, among other criteria. Three-breed crossing of beef cattle is also going on.

Genetically speaking the results should be most interesting. The UBC Ayrshire herd is about the most "closed" herd on the continent. It is purer than the average dairy herd and has maintained a level of production comparable with any other herd in the country . . . and one of the highest in Canada.

Island Classroom — (from P. 9)

UBC acquired the foundation herd of Ayrshires in 1929 while the Holstein cattle had their beginnings in the Grauer, Colony Farm and Gilmore herds in the 1950's. According to Dean Blythe Eagles, who shoulders the responsibility for the management of the farm, this project in developing hybrids could provide the cattle of the future for the ordinary farmer.

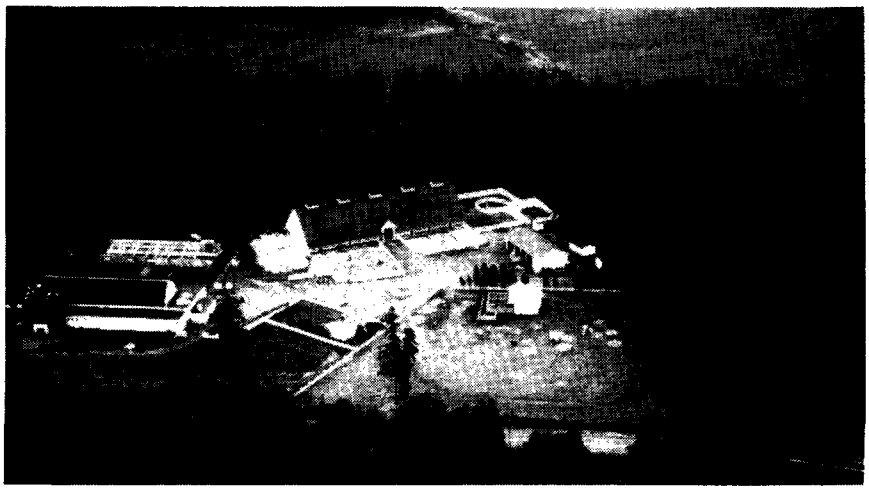
The Oyster River farm is staffed by a manager and six men with half a dozen UBC students working there in the summer as part of their practical training. The manager, Mr. Leo Kansky, came from Czechoslovakia where he obtained his earlier training in agriculture before taking his Master's degree at UBC. Three herdsmen, a mechanic and a laborer are supplemented in the summer by a cook.

It is interesting to note that there are more women in degree courses in UBC's Faculty of Agriculture than in all the agriculture faculties combined in the rest of Canada. For some reason more British Columbia girls seem to be interested in animals, and also they are encouraged by the UBC faculty who see no reason why women should not do as well as men in agricultural science.

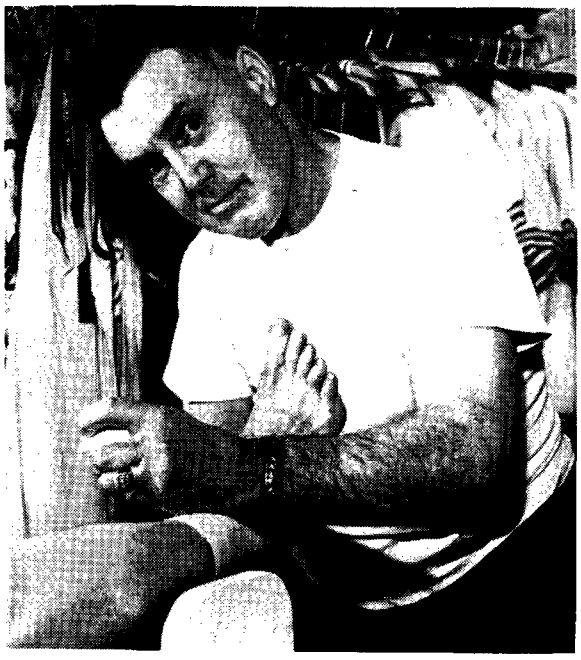
Every summer there are 25 to 30 student applicants for work at the farm. Six students are selected by Dean Eagles and Mr. Kansky who try to get those whose specialities are distributed through the various types of work done at the farm. The different years are represented and they like to have someone who has lived on a farm and someone who never has.

A long summer spent on the Oyster River farm gives the student an opportunity to see farm management at work and to synthesize the various disciplines he has been studying in his compartmentalized lectures on campus—cropping, dairying principles, cattle breeding, nutrition.

The students agree that the theory learned in UBC classrooms is well reinforced by a season or two on the Oyster River farm. One girl who spent two summers there thinks the work she did essential to applying for a job after graduation with a United Nations agricultural research station. During the past summer, for instance, she worked on an experiment to bring a large group of cows and heifers into heat simultaneously, with a view to having them calve at the same time. It worked.



The "home" farm at Oyster River.



John Owen . . . "whose good influence was felt in many sections of the campus."

Alf Cottrell,
"Province" sports writer

Johnny Owen is gone

IT HAS ALWAYS SEEMED, down the years, that the single constant on the ever-changing UBC athletic scene was Johnny Owen.

Coaches came, and soon or late they went. Players, many of them great players, flourished and in due course left to become doctors, lawyers, architects, or even professional athletes.

Then a few weeks ago death took Johnny Owen away.

It would be impossible to come close to guessing how many people in all walks of life were deeply touched by Johnny's passing.

In 1937, a year after an accident that ended his own athletic career, he came to UBC as coach of the hockey team. He stayed on in various capacities until in 1946 he was officially named trainer of the UBC teams and curator for the School of Physical Education and Recreation.

From the first John Owen's association with players on the many UBC teams brought out the characteristics for which he became popular . . . his essential mental cleanness, his unfailing good temper and imperturbability.

Ask the Herb Capozzis, the Ted Hunts, the Danny Olivers about Johnny Owen, or a thousand others to whom he ministered in steamy dressing rooms. You'll get the same unfailing picture of a fellow with, to quote Robert Osborne, director of the UBC School of Physical Education and Recreation, "an uncomplicated but very distinctive personality whose good influence was felt in very many sectors of the campus."

Johnny, Welsh born, British Columbia educated, had his first contact with the UBC campus in 1922 when he worked as an employee of Barr and Anderson during construction of the university. At the same time he was making a reputation as a fine young hockey player. He played for various teams, the best known of which was the old Towers team which also had as members such early day amateur heroes as Benny and Allan Fellowes and Sherwood Lett (the late Chief Justice of the province.)

It was a little later that I came to know him when I coached a senior amateur team here. Johnny was one of my players, though we were the same age. He was an exceptionally smooth and graceful skater. That was the thing for which I have always remembered him best. That and his cheerful equanimity.

In 1936 came the accident that seemed to end everything for John Owen. He was working on the construction of the new section of the old post office at Granville and Hastings when he fell five storeys down an open shaft.

There was little hope at first that he would survive, but after eight and one-half months in hospital he came out. His subsequent recovery was as amazing as it was gratifying.

The following year his association with UBC athletics began. And what an association it became!

He ministered to great UBC English rugby teams in their games against touring teams from the British Isles, from Fiji, New Zealand, Australia. He toured with them in their World Cup jousts with the big California universities on their home grounds.

I have before me a recent program, a program which contains a handsome photo of the UBC-Canadian Olympic hockey team, about to play, as part of their preparations for the winter Olympics, the Czechoslovakian national team at the PNE Forum. In the picture with them, at his usual end spot, was that master of taping, Johnny Owen.

The trip with the hockey players to the Olympics in Europe was undoubtedly Johnny's greatest. If it had to be his last, it is good to recall that it was also his best. His passing leaves an immense gap in the realm of amateur sport which will be felt not only at UBC but in Vancouver generally. We know that if there is ever a UBC Sports Hall of Fame, his name will be up there at or near the top of the honor roll.

A GROUP OF JOHN OWEN'S FRIENDS have met, and in consultation with the Alumni Association and the University it was agreed that a memorial to him would be established. It is expected that this will consist of two phases, the first the dedication of an appropriate facility, and the second a scholarship or bursary which would encourage a student to develop an interest in the art of training.

The chairman of the group of trustees who have agreed to serve is Mr. Harry Franklin and the chairman of the memorial committee is Mr. R. J. Phillips.

Clearing House for Canadian Universities

PROJECTIONS OF STUDENT ENROLMENT in our universities, projections of costs, certification of institutions for federal grants—three services basic to university planning in Canada today and all provided by an organization with a misleading name, The Canadian Universities Foundation.

The Foundation, despite its name, has no money of its own to give away. It is the executive administration of the National Conference of Canadian Universities and Colleges, distributes federal grants to universities and performs such other functions on behalf of the universities and colleges of Canada as are better done by an incorporated body. The NCCUC provides a bilingual forum for discussion of the academic problems of the university community of Canada at its annual conferences and at special conferences and committee meetings, and in addition undertakes, or sponsors studies of the more complex or intractable of those problems.

A secretariat of some forty persons in all attempts to look after the multiplying demands now being made of both the Foundation and the Conference.

ONE of the most important of these services now "in the works" is the specially commissioned study of the financing of higher education, a study which would have had no meaning in the early days of NCCUC. Fifty years ago the large majority of universities and colleges of Canada were private, denominational and privately supported. Neither their appeal nor their support was provincial. Even where provincial institutions were founded, the provincial responsibility for higher education was not regarded as being an exclusive one. It is only in very recent years that the provinces have objected to certain kinds of federal government support for higher education, thus creating a general uncertainty about the whole interpretation of the constitution in respect of higher education.

It is because of the acutely critical situation in which the universities and colleges of Canada now find themselves that NCCUC has spent a great deal of time over the past two years launching this study of the financing of higher education. It had the good fortune to obtain the services of Professor Vincent Bladen, Dean of Arts of the University of Toronto to chair this commission and of Dr. Louis Paul Dugal, Dean of Science, University of Ottawa, Senator W. McCutcheon, and Dr. Howard J. Ross, Chancellor, McGill University, as other members.

THE commission has been asked 'to study, and report and make recommendations on the financing of the universities and colleges of Canada with particular reference to the decade ending 1975.' In recent months they have been travelling across Canada receiving briefs from various interested bodies, including the Alumni Association of The University of British Columbia.

Finance, though perhaps the most pressing problem, is only one of the many subjects interesting Canadian universities in which NCCUC is also involved. A study of one of them, the international role of Canadian universities, was completed in the last year. A special meeting of NCCUC was held to consider its findings, and as a result committees on international studies and activities were established to foster the growth and development of international studies and to advise on, and attempt to assist in the correlation of the international activities of the universities and colleges of Canada.

As a third major activity of the past year, NCCUC attempted to bring into being a Canadian council on admission to college and university. Dr. E. S. Graham of Royal Roads, having prepared a study on the feasibility of establishing such a council, came to the conclusion that it was feasible, and a committee was then struck consisting of representatives of the NCCUC, the Canadian Education Association, and the Fédération des Collèges Classiques, to prepare a draft constitution and plan the program for a founding meeting. At a recent meeting of the CEA held in Winnipeg the standing committee of Ministers of Education heard a report on the proposal from Dr. Graham and decided that they would like to study it further. That study is now underway and NCCUC is awaiting the outcome before proceeding further.

The University Reserve Training Program is another

Dr. Geoffrey C. Andrew, formerly deputy to the President at UBC, is now Executive Director of the Canadian Universities Foundation. He has kindly furnished Chronicle readers with this report on the services performed for Canadian universities by the Foundation.

subject under study by NCCUC. This program was one of the casualties of the Government's reduction in defence spending, suffering a cut of 50%. The Personnel Members Committee of the Department of National Defence was given the task of drawing up detailed recommendations for implementing the cut and NCCUC was invited to present its views through a special committee. In spite of the best efforts of the committee, the program as it stands is considered unsatisfactory and only to be regarded as transitional. It is hoped that the Services will be able to review the situation thoroughly within the coming year and make proposals which the universities can accept.

The Canadian Universities Foundation, being charged by the Minister of Finance with the responsibility for determining the conditions of eligibility of institutions to receive federal grants and certifying which institutions meet the conditions, has a great deal to do with the distribution of what is to individuals a great deal of money, but what is at the moment a rapidly contracting percentage of the universities budget. In the past year $26,778,000 was distributed to 84 institutions certified by CUF as qualified. The grant represents $2 per head of population in nine provinces (there is a separate arrangement with the Province of Quebec) and NCCUC has made representations to the federal government for an increase of $1 in the operating grant as an emergency measure, pending the report of the Bladen Commission. Additional representations were made for a federal contribution of $300 million to the capital needs of the universities and colleges of Canada over a three-year period.

NOT content with the foregoing major areas of university concern, the combined executive committee of the NCCUC and the Board of Directors of the CUF have kept a wide variety of other activities under review. Here are some actions of government during the past year on matters about which NCCUC and CUF have made representations:

The National Housing Act has been amended 'to permit loans to be made for university students' housing, co-operative type housing programs, and student accommodation provided by charitable institutions.'

The Customs and Excise Division of the Department of National Revenue revised their administrative procedures to provide that no book intended for university libraries, other than books specifically prohibited by the Courts, should be refused entry to Canada.

An amendment to the Income Tax Act provided that part-time students as well as full-time students would be allowed to deduct their fees in excess of $25 from income for tax purposes.

NCCUC also was responsible for a proposal, made last year, which has resulted in the establishment of a scholarship and fellowship program within the French language international community. This program, which provides opportunities for scholarly and artistic inter-change with France, Belgium and Switzerland, is administered by the Canada Council. The first 40 scholars are now in attendance at universities across the country, to the great benefit of graduate studies in both English and French language institutions.

WITH the same objective of fostering international co-operation, NCCUC last year endorsed the recommendation to government of the Commonwealth Scholarship Committee that a program of fellowships and visiting awards be instituted. The recommendation has been adopted and the details will be announced soon.

And then there was the Research and Information Service which in the past year published, among other things, the enrolment projections on which higher education in Canada is largely being planned.

The National Conference of Canadian Universities and Colleges is relatively old in Canada's chronology, and its offshoot, the Canadian Universities Foundation, is relatively young. A bill, already passed by Senate, is currently before the House of Commons, designed to unite the Canadian Universities Foundation and the National Conference of Canadian Universities and Colleges into one Association of Universities and Colleges of Canada. The new association is designed to perform the functions of the two existing organizations—with less shifting of gears.

Dr. N. J. Divinsky,
Professor of Mathematics

Research is necessary

LOGGERHEADS

PRO

"Teaching is not just the imparting of knowledge from one who possesses it to others to whom it is transmitted. Above all, in a university, a teacher seeks to engage students in the kinds of inquiry that yield and test knowledge.

WHAT QUALITIES IN A PERSON make him best fitted to reveal the beauties and mysteries of the world of the mind? This difficult question cannot be fully answered until we agree on what we mean by and what we want of, the world of the mind.

To some, the world of the mind is primarily a place where one obtains skills in order to practise a profession, like medicine or engineering. To others, it is a place where one primarily memorizes facts in order to feel well educated and knowledgeable, perhaps superior. To others, it is a place where one learns about ideas; a place where one's soul can reach up to enormous heights. Ideally of course the perfect student learns all three sides of this eternal triangle.

In music for example, there are utilitarians who primarily play an instrument in a band or orchestra; there are pedants who know every composer, his birth and death date, and the names of every first violinist in every major orchestra in the world; and there are music lovers who may compose or study the construction of music—harmony, counterpoint—and in this way deepen their pleasure by deepening their understanding.

A passion for music combined with knowledge of music structure makes a player a better player and makes a pedant less likely to require satisfaction from empty superiority. But even more important, the satisfactions from both pedantry and utilitarianism are short lived and do not serve for very long; whereas knowledge combined with love of music continues to give satisfaction throughout one's life.

It is no wonder therefore that every scholar, every teacher tries his best to promote and teach ideas and inner structure—knowledge about his subject. He tries to lead his students away from the sterility of pedantry and of pure utilitarianism.

When a student enters a university he may believe that utility is his prime goal. And he may judge his professors in these terms. On the other hand his professors may wish to lead him to the permanent beauties of their subject, even if only part way. This creates a conflict, and students are not always the best judges of their professors because of it.

Assuming then that we know what we want to accomplish, we must now decide what qualities in a person make him best fitted to lead students to the permanent treasures of the mind.

Some obvious qualities are: the teacher's knowledge of his subject; the teacher's ability to communicate and the teacher's ability to inspire.

With respect to knowledge, it is essential that a teacher at the university level know the very latest facts. To do this he must keep up with his subject. Even in a relatively stable subject like mathematics, there is an amazing amount of new information, new theorems, new concepts. The man who took his PhD fifteen years ago, and has learnt nothing new since then, is inadequate as a university teacher.

It is easy to say—"keep up with your subject"—but it is almost a full time job in itself. To do this adequately a teacher must be highly motivated. It has been my experience that there is only one effective means of motivation in this area, and that is the teacher's need to know the latest material in order to solve research problems that he is struggling with. Of course there are people who read voraciously in their field even if they are not researching but I believe that their reading is superficial compared to the intense reading the researcher must do. There is a great difference between hearing about new ideas and making them your own to the point where you can use and love them.

Theorem 1. The only effective motivation for keeping up with the latest knowledge in a field is the motivation of research.

(continued page 16)

for university teaching

LOGGERHEADS

A teacher is best fitted for this task — the task of enabling students to be active participants in the pursuit of knowledge — when he is himself active and creative in research."

— Chancellor Edward Strong, in the California Monthly,

CON

Dr. Malcolm F. McGregor, BA'30, MA'31, Professor and Head Department of Classics

No experienced critic will argue that the lecturer or teacher in a university should not engage in research; indeed, research should enhance the quality of a man's teaching. The danger today, however, is that an intolerable emphasis is being placed by universities upon research with the result that in many instances preoccupation with research is destroying conscientious teaching.

The young man who accepts his first appointment should spend most of his time upon his lectures and his students. As a graduate student he has observed and he has been told that promotion comes to those who publish. He is naturally ambitious; consequently, he devotes himself to the production of papers or a book (generally, his doctoral thesis, which is only in exceptional cases worth publishing). Inevitably, his performance in the classroom suffers. There are various rungs upon the academic ladder. Having reached one, our young man begins the climb to the next. His career is based upon the thesis that his teaching must not interfere with his research.

The dire results of the system affect not only students but also the learned world. In this province it is impossible to attend a meeting of intelligent laymen (*e.g.*, alumni) without hearing complaints about gross neglect of students, especially at the lower levels, who are cast before teaching assistants because the professional staff are too busy with research to be troubled. The charges are exaggerated, of course (many teaching assistants, being young and enthusiastic and born to teach, are excellent in the classroom), but there is enough truth in them to stir the academic conscience. Yet we have made no genuine effort to introduce reform.

The learned world suffers because so much that is published is not worth publishing. The young man (and, often, the older man) rushes into print with his ideas only half formulated: six mediocre papers thrown together in a year or so will do him more good than one thoughtful and basic study painstakingly written and rewritten over three or four years. To those who point out that papers submitted to journals are refereed I answer that editorial standards are low and the referees belong to the "union."

As for the scholar (probably in the Humanities or Social Sciences) who is writing a book, and who refuses to dash off a series of short papers during its period of gestation, one can easily imagine what effect the pressure to publish may have upon his advancement or even his reputation outside his own broad area of study.

The fundamental error is that we measure scholarship by publications; worse, we measure by numbers of publications, we count rather than weigh. I know and have known professors who are first-rate. They read, they think, they know precisely what is the state of knowledge in their fields, they share their learning with their students, graduate and undergraduate. But they do not publish. I fear that this breed will disappear or be exiled to the junior institutions; this will add distinction to the latter, but it will be a loss to the universities. (The adjective "junior" is not used qualitatively).

Why do such scholars refuse to publish? There are many answers: they lack the time, they are perfectionists and so are never satisfied, writing does not attract them, they think too much is being written, teaching demands their total energies; there are other answers, more complex. None of these detracts from a scholar's basic merit. I add that I place the lazy man in a separate category; in any case, he is not likely to be a working scholar or a superior teacher.

Although I do not welcome a man who neglects his pedagogical responsibilities, I recognize the value to the university and the learned world of the scholar who is

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from p. 14—Divinsky

MUCH has been written and said about the ability to communicate. Of course there is a minimum level of communication that must exist for any teaching to occur. But I do feel that many people attach too much importance to the outward form and not enough to what is the purpose of the whole business.

The simple fact of the matter is that at the university level students can make difficult material their own only by themselves. They must know what material to work at and where to find it but beyond that they must digest it, stumble over it and practise it in the quiet of their own rooms. Little is gained from a straight transmission of knowledge, even if it is transmitted in the most perfect fashion. I have often been trapped by ignorance after a "superb" series of lectures because the difficulties were made too easy and I did not know they existed. On the other hand some courses I took were presented in a rather confused fashion. I had to work late into the night to make sense of my notes. I had to manufacture proofs because many given in class were unintelligible and in some cases actually false! Now however that material is part of me.

And this brings us to the third aspect of teaching: inspiration. I do not believe this can be done artificially or with tricks. Only by personal involvement, example, passion and humor can a university teacher inspire. And in my view there is only one way to be deeply involved, deeply in love with and passionate about a subject and that is to be struggling with it, to be delving into its mysteries, in short: to be doing research.

Theorem 2. A necessary condition for inspiring university students to take a serious interest in a subject, is to be doing or to have done research in that subject.

To sum up, teachers can be excellent only if they are doing creative research in their subject. Of course they must attain a level of communication sufficient for their students to find out about the material and to be inspired. The problem is the extreme scarcity of excellent teachers! There are polished talkers who become smooth transmitters of somewhat old facts. There are researchers who dislike students and dislike teaching. A university administrator's job is not a happy one. Should he retain researchers who cannot communicate or should he retain communicators who cannot do research?

ACADEMIC excellence can only be achieved with researchers, and there is at least the hope that even an incoherent researcher can be taught or forced to learn a sufficient amount of communication techniques. Non-researchers, even if they are excellent communicators, can at best give us mediocrity. Which do you want for your children? □

from p. 15—McGregor

completely involved in his research and uninterested in teaching. I should give him a research-appointment and ban him from the classroom.

Curiously enough, few spokesmen for a university would disagree violently with most of my statements: yes, excellent teaching is important and should be so recognized and rewarded; yes, numbers of papers are less significant than contributions of quality; yes, some scholars of the first rank work more slowly than other scholars of the first rank; yes, certain indispensable contributions to the university's reputation do not take the form of publication.

In practice, on the other hand, "publish or perish" is the Damoklean sword that hangs over the head of the young scholar. The chief victims are the students, who, befogged and anonymous in the classroom, are finding it more and more difficult to locate and sit down with instructors outside the classroom. According to a current article by S. M. Lipset and P. Seabury (*The Reporter*, January 28, 1965, pp. 36-40), one underlying cause of the recent disturbances at the University of California, Berkeley, is that the university has become "a research center perched precariously on a mountain of somewhat neglected undergraduates. The students feel remote. . . ." They are concerned about "the extent to which the university fosters research at the expense of teaching. . . ."

RESEARCH we must have. But our graduate students must have been undergraduates and it is in our own interests to guarantee that their preparation is of the best. Mediocre teaching of undergraduates will produce mediocre graduate students. Many a man has been inspired to undertake a graduate career by meeting a great teacher in his earlier years; and, perhaps, has become a respected scholar.

It is predicted that within a few years we shall have at the University of British Columbia 5,500 graduate students. Do we forget the accompanying prediction of 16,500 undergraduates? Not all these will enter graduate studies, all have a right to instruction that is at least competent and interested. We must not alienate our teachers from the classroom. We must convince them that research (which is indispensable to a university) should be carried out in the time left over from teaching and students. We must, in a word, restore their perspective.

THE solution to the problem that we ourselves have created lies with us; specifically, with Heads of Departments and Deans of Faculties, in whose hands lies the chief power to reward members of the Faculty. Let them insist that the classrooms be manned by those who look on teaching as the first responsibility; let them insist that distinction in teaching be placed on an equality with distinction in research. Sometimes these two qualities will be embodied in a single professor; sometimes they will not. But the superb teacher must never be treated as a second-class member of the community, even if he never writes a line.

My advice to the young man at the beginning of his career is: "Never let your research interfere with your teaching." □

John Arnett,
"Vancouver Sun" Education Reporter

Dr. L. S. Klinck (seated) with his two successors in Agriculture Faculty, Dr. F. M. Clement (L) and Dean Blythe Eagles.

Trail Breaker in Active Retirement

"THE ONLY AMBITION I ever had in my life was to be a farmer."

It was an unusual thing for a distinguished elder statesman of Canadian higher education to say, but not surprising from Leonard Sylvanus Klinck, a farm boy who became a university president against his will and guided that university along a troubled path to greatness.

Today, in secluded retirement in his West Vancouver home, he has achieved the one goal that eluded him in his long career in higher education —he has returned to work with the soil.

"I vowed that I would go back to the land when I retired, provided that it didn't measure more than 60 feet by 200 feet," he says with a twinkle in his slate-grey eyes.

"And I have done just that. The neighbours were very good, they saw this old man puttering about in the garden and they offered to help me out, but I thanked them and said no, I wanted to have the opportunity to make my own mistakes. Well," he adds with a chuckle, "I have made a lot of them in my garden, but I have had plenty of time to do it."

Illness has bowed the once straight shoulders of the Ontario-born farm lad who was described half a century ago by a Vancouver newspaper as a "great hearty young man of booming voice and plenty of brawn, a true son of the farm."

The booming voice is softer now, at the age of 88, but the mind is as keen as ever.

Laying the foundations

A man who always believed that a good executive should remain in the background Dr. Klinck is reluctant to talk about his role in laying the foundation stones for higher education in this province. But in a rare interview with this reporter he did admit: "As the old man gets older, he is inclined to babble a little more than he should."

Leonard Klinck first came to Vancouver in the spring of 1914 to help draw up a blueprint for the fledgling University of British Columbia. He admits he wanted to get the job over and done with as quickly as possible and return to his job as head of the department of cereal husbandry at McGill University's Macdonald College.

So interested was he in his research work there that he had turned down eight offers to join agricultural faculties in major universities in Canada and the U. S.

"I had never even heard of the then president of the University of B.C., Dr. Wesbrook," he recalls "and I had only vaguely heard that a new university was being developed in British Columbia."

But he had been called upon by President F. F. Wesbrook to examine reports of the university site commission and the committee of landscape architects and also discuss proposed sites for a faculty of agriculture for the university. He had responded because, though it meant a prolonged absence from his research laboratories at Macdonald College, he felt it his duty to aid the cause of higher education in Canada wherever he could. The last thought he had in mind was joining the faculty of the young institution.

But as later events were to prove, young Leonard Klinck was to remain a practising agronomist for only four more years. He was to remain at UBC as the head of the faculty of agriculture and, in 1919, to reluctantly assume the presidency of the institu-

(continued page 18)

Trail Breaker— (from p. 17)

tion.

The strapping young man with the booming voice was to face, in later years, accusations from a hostile student body and alumni that he was an incompetent administrator. And he would have to fight off claims from many quarters in the province that the university was an expensive luxury and demands that it be closed down.

Yet he was to emerge from some of the most harrowing times ever faced by a university administrator in Canada to see The University of British Columbia setting out along a path that would carry it to eminence in the field of higher education on this continent.

Grandiose promises

"When I first saw the land set aside for the Point Grey campus in 1914," he recalls, "it was nothing much more than a wilderness of gigantic stumps and burned out tree trunks standing against the sky."

Loggers had been over it twice, first in the 1870's when they stripped it of its finest timber and later to log the second growth.

But Dr. Klinck admits that even in those days when the vast potential wealth of his province was largely unknown, an agronomist with a knowledge of the value of millions of acres of uncharted forest could see a prosperous future for British Columbia. In fact, it was the promise by the government of two million acres of forest land as a permanent endowment for the university that was one of the big reasons for his decision to come to UBC.

The assurances too, on the part of President Wesbrook and the then Premier Sir Richard McBride that an agriculture faculty that would be second to none on the continent would be built up at UBC was also a tempting prospect for an agronomist.

War intervenes

So, after doing his consultation job here in 1914, Dr. Klinck was persuaded to join the UBC faculty—the first man appointed after President Wesbrook—and he returned to Macdonald College to pack his belongings, pick up his wife and son and head back west.

World War I broke out the day he stepped on the westbound train in Montreal and its opening shots shattered the vision of the University of British Columbia that had been set before Klinck when he accepted the job offer.

Government funds earmarked for the university had to be diverted as Canada geared for war. The government's grandiose promise of two million acres of forest remained just a promise and the university got involved in a series of crises that were to continue for more than twenty years.

Pick and shovel days

The young agronomist who a few years earlier had worked alongside French-Canadian and Indian laborers with a pick and a shovel to lay the foundations for modern laboratories and buildings at Macdonald College found himself pioneering once again. With his wife and son he lived in a tent on the campus for varying periods during the years 1914 to 1917. "Tough days, but happy days too, dreaming of what the university would one day be like."

He supervised the clearing of the land and laid out plots for the growing of plants and doing experiments in connection with his agronomy work.

"I didn't get to the war, but the campus must have resembled a battlefield of France," he said. "The giant stumps were dynamited and there were gaping water-filled holes all over the place."

Around 1917, when the university was still operating in the Fairview Shacks on the site of the present Vancouver General Hospital, he started to conduct the first lectures ever given on the Point Grey campus.

The presidency

With the illness of President Wesbrook, Dr. Klinck undertook more and more administrative work. And when Dr. Wesbrook died in 1919 Dr. Klinck was asked to take over the presidency. He turned the Board of Governors down.

"I didn't want to become president of the university, but the Board kept pressuring me to take the job. I was more interested in being a dean of agriculture, and to tell the truth, I was more interested in being a professor of agronomy than dean of agriculture."

Finally he yielded to the pressure and on June 1, 1919, Dean Klinck became President Klinck.

As a university administrator he preferred to stay in the background; he admits he had very little to do with the famed Great Trek of 1922.

Recalls Dr. Klinck: "I didn't praise the students for doing it and I didn't oppose it. The students kept me informed of their intentions and I appreciated their courtesy in telling me what they were doing. But I do know that university presidents across the country thought it was a very risky thing for a student body to do because it could antagonize the government and cut down on grants.

"Probably they were right, but as it turned out, they were wrong. The outcome of the Great Trek exceeded all expectations."

Years of controversy

Dr. Klinck, the quiet administrator, became the centre of a headline-making controversy in the spring of 1932 when, with government grants slashed because of the depression, both students and alumni accused him of spending too much money on the agriculture faculty. He was also charged with lack of leadership and failure to "sell the university to the public."

The criticisms, accusations and, as a speaker at one meeting put it, the "damnable, despicable and comtemptible" actions of the alumni in even thinking of questioning the president about his actions, generated more hot air than action and the president was finally endorsed by the Board of Governors. The Senate, however, did pass a vote of lack of confidence in him.

The *Vancouver Sun,* in an editorial at the time, said the president was a victim of circumstances. "In view of this and in view of his past successes and distinguished service there seems to be little fairness in the attempt to blame the president for the misfortunes that have befallen the university."

When he retired the *Sun* said: "Over a period of 25 years Dr. Klinck has been a very sound and progressive influence on the formative years of higher education in B.C. and we owe him a great debt for this service."

Return to the land

On retirement Dr. Klinck donated his personal library to the University and closed that chapter of his life.

His love for the land is exemplified in his West Vancouver garden with

Trail Breaker— (from p. 18)

its neat rock terraces, billiard table-smooth lawns with almost knife-sharp edges and profusion of shrubs—43 different species.

And just as he had worked as a young man to clear the land first for Macdonald College and later for UBC, he cleared the land around his home.

He has worked on his garden with the thoroughness that was characteristic of him as an administrator.

"All the soil on this property has been put through the sieve twice," he said. "On the front terraces there is 18 inches of sifted soil before you hit a stone."

One of Dr. Klinck's most valued possessions and a permanent link with the early days at UBC is an arbutus wood bowl, an exquisite example of the woodworker's art, with a UBC crest carved in the centre and inlaid with laburnum wood. The wood is from one of three arbutus trees that stood on the campus when he first went there and which was preserved for years at the north end of the armory until it had to go when an addition was built.

When this tree which Dr. Klinck admired so much he had had a fence built around it to protect it, was cut down, Dr. Shrum, a close friend and associate, had a bowl and some bookends made from the trunk and presented to Dr. Klinck.

Quiet days

Aside from his garden, Dr. Klinck's other major interest has been preparing a family history. He has delved back seven generations in his work.

"I also do quite a bit of reading, but not in any narrow sphere."

Dr. Klinck is reluctant to comment on developments that have occurred in the university since he left more than 20 years ago. He has been described by one writer as being "dignified, unhurried, precise in speech and scrupulously aware that there are two sides to every question, an answer only forthcoming when both have been equally examined and weighed."

And that is exactly his position today in refraining from commenting on developments in higher education. "I'm an old man, I just can't keep up with everything that is going on, therefore I just don't feel qualified to comment," he says.

Scholarship Winners Honoured at Tea

Dr. N. A. M. MacKenzie and Chancellor Phyllis Ross chat with a scholarship student at tea.

A "FIRST ANNUAL" TEA was arranged in January by the Alumni Association office for all winners now on campus of the Norman MacKenzie Alumni Scholarship. Seven of the eight American winners were present to meet their Canadian counterparts, as well as members of the University administration, faculty and alumni.

Chancellor Ross was among those present and Dr. and Mrs. N. A. M. MacKenzie in whose honor the scholarship was named. There was, in fact, an excellent representation of key people to meet and mingle with this group of undergraduates in whom the alumni have such a special interest.

The tea, strictly informal with no speeches and no receiving line, was held in the Faculty Club.

Yorkeen becomes Visitors' residence

"YORKEEN," the University's latest property acquisition, has found its role in life. Now it is a functioning unit in the University complex, its function to house guests of the University. Some of these guests will be persons attending short courses and seminars provided at UBC, some will be visiting academics, some the parents of out-of-town students who live in residence, and some UBC alumni who wish to stay briefly on campus.

"Yorkeen" will pay its way, says John Haar, UBC Director of Housing. Guests staying there will pay $3 to $5 a day. The main downstairs social rooms which will be used for seminars and similar activities will contribute to revenues, and the squash courts will be rented by the hour to members of the University family.

In the first few weeks after being put into use early in January "Yorkeen" has had as guests forty commercial fishermen here for an 18-day short course, several post-doctorals and other short-term visitors, some individuals from New Zealand, a visitor from Japan. Expected are some of the teams for the national basketball playdowns.

Alumni, like all the others who wish to use "Yorkeen's" facilities, should contact John Haar, UBC Director of Housing.

Winners from USA

EIGHT STUDENTS from south of the line are at UBC this year on Norman MacKenzie scholarships. They are: Steven Porsche, Evanston, Ill.; Janice Poole, Corvallis, Ore.; Nancy Parker, Brewerton, N.Y.; Mary North, Sag Harbour, L.I., N.Y.; Ernestine Young, Nampa, Idaho; Clive Smith, Elizabeth, N.J.; Edward Ryan, San Francisco, Calif.; Thomas E. Kovsky, Colorado Springs, Colo.

It was MLA Day at UBC

Top: L. to R. Robert Strachan; Donald Brothers, LLB'49; Leo Nimsick; L. R. Peterson, LLB'49; Dean Curtis; George Cunningham, Chairman, Board of Governors; Byron Hender Comm. IV; Randolph Harding, Dean Myers (back to camera).

IT WAS MLA DAY on campus January 30 when twenty-six members of the legislature, many accompanied by their wives, were guests of the Alumni Association and the University. Three cabinet ministers, Messrs. W. D. Black, Donald Brothers and Leslie Peterson, found time in those opening days of the session to make the trip from Victoria, as well as speaker William Murray, S.C. Whip Bert Price, and Leader of the Opposition Robert Strachan.

The visitors arrived at the University before noon, were taken on a whirlwind bus tour of the campus, with a commentary provided by Mr. James Banham, then given lunch in the Gordon Shrum Commons after a welcome by President Macdonald and Mr. Rod Macdonald, vice-president of the Alumni Association, and a chalk talk on campus development plans by Mr. John Porter, architect planner.

After lunch bus groups were formed for guided tours of particular parts of the campus. An hour later everyone met again at International House for coffee and to hear a short address by President Macdonald on the University's academic planning.

Question periods produced queries that ranged from "What percentage of our young people can profit by university education?" (to which Dr. Macdonald replied that no one has the answer) to parking problems.

Some typical comments on the reaction sheets completed by the visitors were: "All-round, an excellent and commendable idea, one that should be repeated! Glad to be a participant." "11:15 to 4 p.m. is not sufficient time. Instead of returning at 5 p.m.—extend return until 7 p.m. or 9 p.m.." "Ask MLA's what particular field they would like to concentrate on. Then each group could take a weekend for each one of their subjects."

The consensus of the group seemed to be "let's do it again," which was the secret hope of the Association from the beginning!

Mr. and Mrs. Waldo Skillings (Helen Harris, BA'37) and John Haar, BA'50 (R).

Dr. C. A. McDowell; Mr. and Mrs. Rod Macdonald; The Hon. L. R. Peterson; Dr. John B. Macdonald

ALUMNI ANNUAL GIVING
REPORT FOR 1964

The cornerstone has been laid
. . . now let us build

Year	Number of Donors	Total	Average Gift
1964	4,500	100,576.01	22.36
1963	3,728	89,370.75	23.97
1962	2,527	36,749.55	14.54
1961	2,167	30,079.00	13.88
1960	1,715	23,187.98	13.52
1959	1,290	15,330.25	11.88

PARTICIPATION, not amount, was the watchword in 1964, and graduates responded to the Alumni Annual Giving Program as never before.

★ ★ ★

In past years Alumni Annual Giving to our Alma Mater has represented as much the moral as the financial support of the alumni.

★ ★ ★

Giving through AAG has been a practical demonstration of interest in the University and has provided for, or materially assisted, many valuable University services.

Total
$100,576.01

New Donors
2,223

Best Class year
1917

Annual Trekkers
430
An award given to those who have donated for five years or more

Corporate Matching gifts

Canadian General Electric Co. Ltd.
Capital Management Ltd.
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Hudson's Bay Oil and Gas Co. Ltd.
International Business Machines Co. Ltd.
Midland-Ross Corporation
Rio Algom Mines Ltd.
Smith, Kline and French

THE FOUNDATION

Total Donors
'64
4,500

Best
The nurses
The engineers
The medics

Best Area
Northern Ontario
Niagara Peninsula
Vancouver
Prince George

Some major allocations

President's Fund	$17,663.91
Norman MacKenzie Scholarships	14,700.00
Library	7,500.00
Athletics and Recreational Facilities	4,000.00
Frederic Wood Theatre Foundation	3,000.00
Norman MacKenzie American Scholarships	1,547.27
Alumni Graduate Scholarships	3,000.00
Sherwood Lett Memorial Fund	25,000.00
UBC Rowing Club	2,500.00
Canadian Olympic Hockey Team	2,150.00

The University of B.C. requires . . . $29,760,000 in capital funds to take care of an anticipated enrolment of 22,000 students by 1970.

* * *

University of Victoria requires . . . $9,180,000 for an anticipated enrolment of 4,500 students.

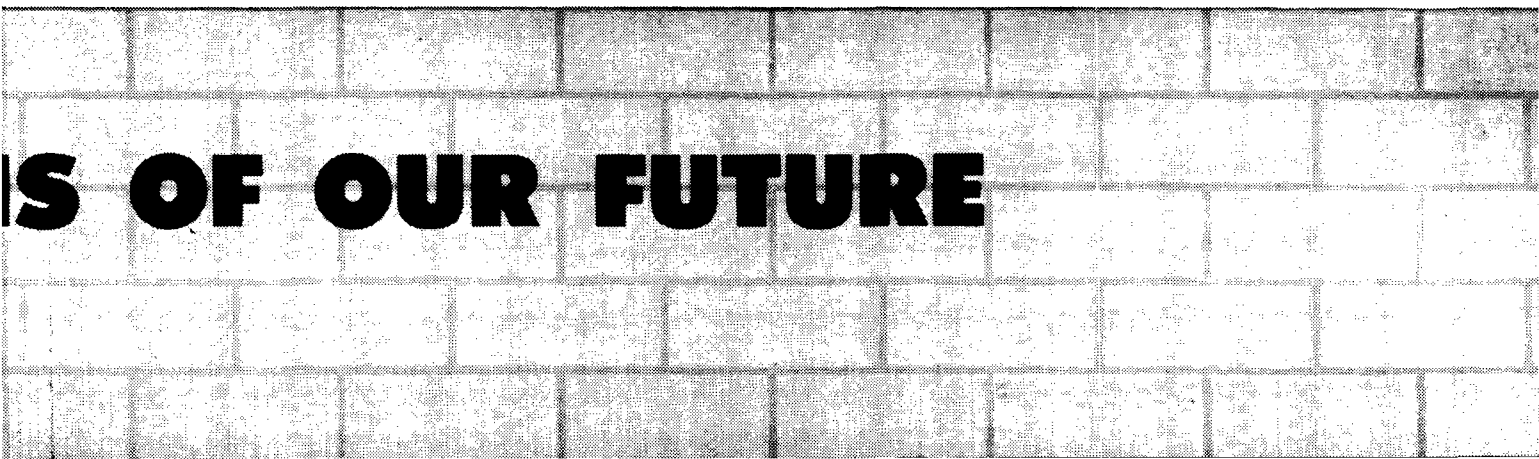
* * *

Simon Fraser University expects 7,000 students by 1970 and must have $29,760,000.

* * *

The universities are the foundation of our province's future progress.

Literally — we build our future when we build our universities.

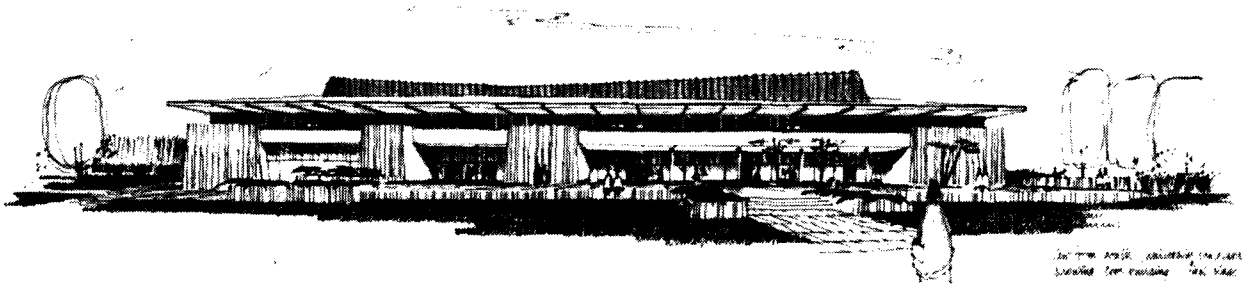


The AAG Story in Pictures

Dean Blythe Eagles, chairman 1916-29 decade committee, with R. H. (Bob) Lee, BCom'56 (R), chairman Vancouver organization of AAG '65, and Gordon Thom, AAG Director.

Ray Wickland, fullback.

Dean Gage (centre) and David Brousson (R) exchange views with Norman MacKenzie Scholarship winners at tea.



View from south of Student Union core building.
Architect: Kenneth R. Snider, M.R.A.I.C.

Pierre Berton

author of the uncomfortable

"Comfortable Pew"

will be the

Featured Speaker

at the

Annual Alumni Dinner

Topic:

B.C. through the eastern looking-glass

Wednesday, May 12, 1965

6:00 p.m.

Ballroom, Bayshore Inn

Tickets: $5.00 each

Advance ticket reservations for this important event are advisable, and may be made by writing or phoning the UBC Alumni office (CA 4-4366) for further information. Friends and spouses are welcome.

Pierre Berton, BA'41

PIERRE BERTON'S *The Comfortable Pew*, published in January, may very easily become the most talked of book in 1965. Here are a few quotes: "We aimed high, because we thought the subject a major one, and there was a chance that Mr. Berton might see it in this light." That is the Anglican Church speaking.

This is the author: "In the great issues of our time, the voice of the Church, when it has been heard at all, has been weak, tardy, equivocal, and irrelevant. In those basic conflicts, which ought to be tormenting every Christian conscience—questions of war and peace, of racial brotherhood, of justice versus revenge, to name three—the Church has trailed far behind the atheists, the agnostics, the free thinkers, the journalists, the scientists, the social workers, and even, on occasion, the politicians."

"Religion as we know it, as distinct from Christianity, is, in my opinion, coming to an end, in spite of the present evidences of its power. And Christianity, if it is to survive as a meaningful faith and ethic, must rid itself of religion's trappings and false goals. It has been my observation that, just as many 'religious' people are not really Christians, so many others, for whom Christianity is genuinely the clue to life and conduct, do not need or want what is called 'religion' in the New Age."

News of the University

Dean is mourned

Dr. Kaspar Naegele

THE UNIVERSITY COMMUNITY was shocked and saddened by the sudden death, on February 6, of Dr. Kaspar Naegele, Dean of Arts at The University of British Columbia.

During his less than 10 years at this University Dr. Naegele made a deep impression on many students and staff members as a brilliant scholar, a dedicated and inspiring teacher and, to those who knew him best, a sensitive and considerate colleague. His was an inquiring mind, with an impressive breadth of knowledge and a penetrating insight into a wide range of issues.

Dr. Naegele was born in Stuttgart, Germany, in 1923, and came to Canada in 1940. He taught briefly at the University of New Brunswick, and was a visiting professor at the University of Oslo, Norway, before joining UBC as Assistant Professor of Sociology in 1954.

While here he published a significant number of stimulating articles in scholarly journals, as well as numerous original essays in several books.

In recognition of his talents a special committee appointed by President Macdonald unanimously chose Dr. Naegele as the new Dean of Arts to succeed Dean S. N. F. Chant on his retirement in the spring of 1964. Dean Naegele had already distinguished himself at his new post by the time of his death.

He is survived by his wife, Daphne, and three children, as well as his father and two brothers.

The University, and the larger community, has lost a distinguished member whose influence was much needed, and in whom it had high hopes for the future. —S. J.

Noted Alumnus Visits Alma Mater

Vancouver Sun photo

Dr. Homer A. Thompson, BA'25, MA'27, LLD'49

A SNOW-CLOGGED CAMPUS that looked as if it had been transplanted from the province's hinterland was no deterrent to the enthusiasts who wished to hear Dr. Homer A. Thompson speak on Athenian archeology. Both his afternoon and evening lectures drew full houses that day in early January.

Dr. Thompson, one of UBC's most distinguished alumni, a world-renowned authority in his field, is attached to the American School of Classical Studies at Athens. He has spent thirty years on the excavation of the Athenian Agora—counterpart of the Roman forum—and since 1946 has been field director of the excavation.

Some ninety leading North American universities, UBC and Toronto being the sole Canadian representatives, support this project.

Forestry has New Head

AT FIRST GLANCE chemistry may seem an unlikely route to the top post in the Faculty of Forestry, but that is the one the recently appointed dean, Dr. Joseph A. F. Gardner, followed. His comment: "The fact that I am a chemist underlines what most people in the forestry industry acknowledge: that industrial chemistry must contribute to forestry's inter-disciplinary use of the basic sciences."

Dr. Gardner, an honors graduate of UBC, took his PhD at McGill and since 1947 has been with the federal government's Forest Products Laboratory. He was appointed director of the laboratory in 1963, and, effective February this year, became dean of the Faculty of Forestry.

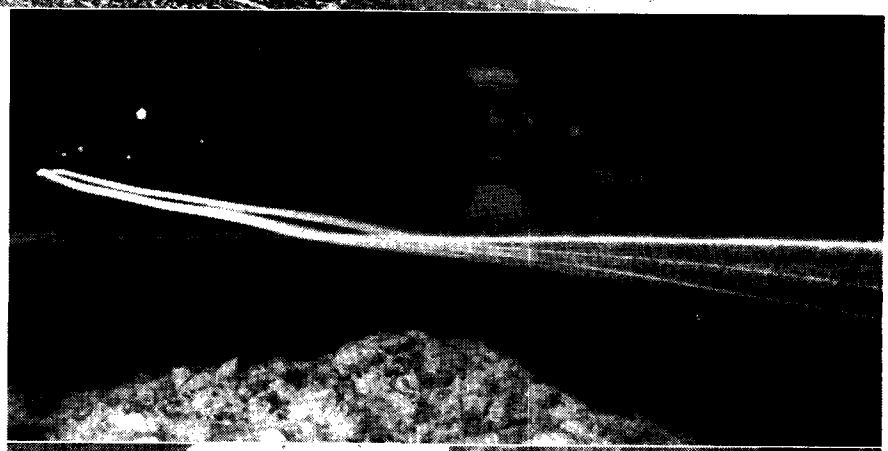
Dr. Joseph A. Gardner, BA'40, MA'42

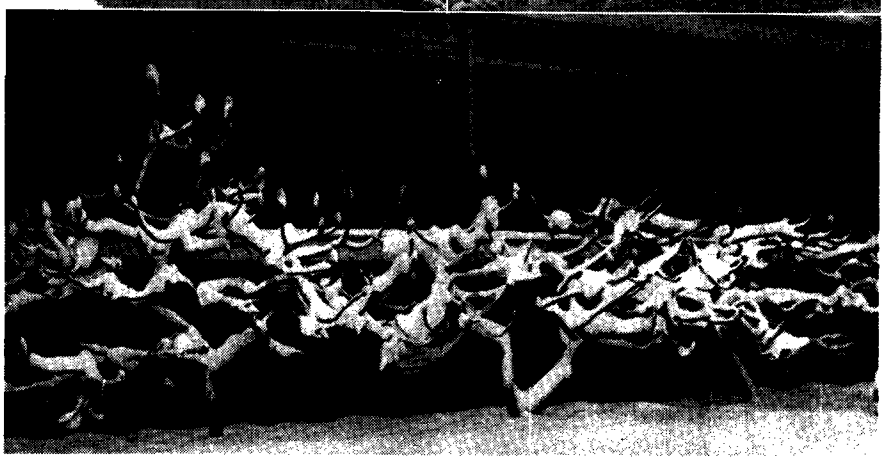
Plans Chosen

THE RESULTS of the architectural competition for the $3.9 million Student Union Building were announced in January. First place contestant, and the architect who will carry out the work, is Kenneth R. Snider, M.R.A.I.C. of Winnipeg.

Only the core building will be proceeded with immediately. The architect's sketch of this is reproduced on page 24 of the *Chronicle*.

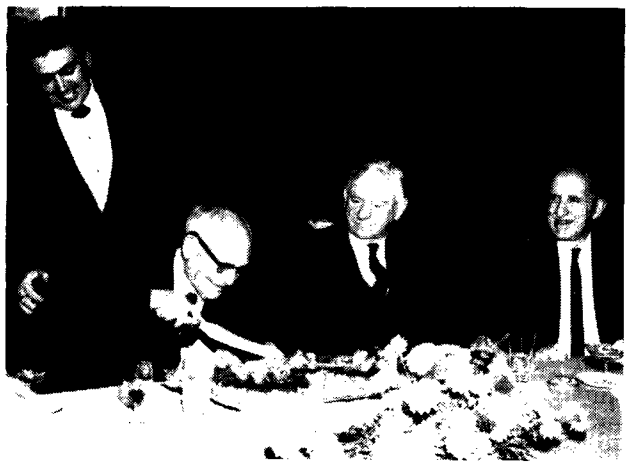
WHEN WINTER CAME TO UBC





News of the University

Ninetieth birthday party



Prof. Buck, Dr. N. A. M. MacKenzie, Dr. A. F. Barss

PROFESSOR EMERITUS FRANK E. BUCK, who turned ninety on December 8th of last year, celebrated his birthday with a party arranged by himself and held in the Social Suite of the Faculty Club. The eighteen guests were members of the Faculty of Agriculture at the time of his retirement and Dr. N. A. M. MacKenzie who, as president at the time, was an ex officio member of the Faculty. Dr. J. B. Macdonald, also invited, was unable to attend because of a prior commitment.

Dr. Buck joined the Faculty of Agriculture in 1920 and officially retired in 1949. In addition to being professor of horticulture, he was landscape architect to the university and planned the campus from 1920-29. He now holds the title of Professor Emeritus of Ornamental Horticulture and Floriculture.

More families on campus

MOST UBC UNDERGRADUATES are employed during the summer and most do not earn enough to finance, "even at the most marginal level," a year's university work. Not quite 28% of the men students might just manage unaided to pay their way, but less than 3% of the women could be entirely self-sufficient.

That is just a sample of the statistics that have come out of a study of the 1964-65 registration.

The financial problem would appear to be compounded for many students by dependants. Figures furnished by the students showed a total of 1760 children (exclusive of families of graduate students), one freshman having four. It seems that 16.5% of men students in all years are married, an increase of 3.1% from last year's registration, and approximately half of these are fathers. Better than 44% of the men graduate students are married. The percentage of married women students, 11.1%, did not go up from the previous year. Sixty per cent of these women had children.

The statistics do not indicate how many of the children are dependant, nor how many are the offspring of couples who are both students, so that the total could be misleading.

Graduate objectives range from an undecided 5.1% to 24.6% who plan on teaching as a career. The objectives of undergraduates showed an understandably higher number of the undecided, 14.7%, with teaching claiming a comparable 27.7%. Engineering accounts for almost 10% in the graduate objectives and 8.4% in the undergraduate. Low on the totem pole are architecture, with only .1% of graduates interested, but almost 2% of undergraduates; forestry, with .3% of graduates, 1.6% of undergraduates; pharmacy, .6% of graduates, 1.4% of undergraduates. For various reasons, as the Office of Student Services points out, all these figures are approximations.

And finally, the study discloses a fact that is bound to have its effect on many facets of campus life—there is a consistent increase in the proportion of students who are women.

Major gift to graduate school

UBC'S DREAM of a first-rank graduate school came a great deal closer to realization with the receipt last February of two gifts totalling nearly $7 million.

From Dr. H. R. MacMillan came a personal gift of $3 million which, with earnings, may amount to nearly $4 million. This will build up UBC's library over the next ten years to two million volumes, making it the best in Canada. A gift from the H.R. MacMillan Family Fund provides $3.2 million over 20 years for fellowships for PhD students.

Each fellowship will provide $3,200 a year for up to three years. The first 15 H. R. MacMillan Family Fellowships will be available next September; the following year there will be 30 fellowships available, including renewals, and in September 1967, 45 fellowships, including renewals, and the same number, including renewals, each year for 17 years thereafter.

The greatly strengthened library will encourage scholars to work at this University; the more generous fellowships for PhD students will make it possible for us to compete with American universities for Canada's brightest graduate students.

New staffer

A RECENT APPOINTMENT to the staff of the University Resources Committee is Mrs. Joan (Kelly) Pearce. She fills the newly-created post of program assistant in the Alumni Annual Giving branch, and her hand, though probably anonymous, may be detected in future in the information bulletins which will be issued from time to time by that office.

When Mrs. Pearce, a fellow of Trinity College, London, England, completes her voter's registration or other such documents, she lists "Occupation: writer." After the "usual writing struggles," as she says, she has had many scripts accepted by BBC and CBC, as well as magazine articles. For the past seven years she has taught creative writing in the fields of radio, TV, films and short story for the departments of adult education of the Vancouver, North Vancouver and other lower mainland school boards.

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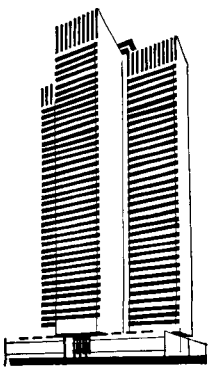

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ROYAL BANK

Opening doors for Canadian trade

Alumni Association News

Board members L. to R.: Dr. J. Kania, Dr. Frank Turnbull, Stan Evans, Mrs. D. C. Ellis, George Cumming.

Board Meets in Totem Park Commons

THE YEAR 1965 started out with a rather special meeting of the Alumni Association Board of Management with Convocation members of Senate as invited guests.

For some years past Convocation members have been invited to a regular quarterly meeting of the Board, but last January there were two other special features of the evening. In the first place, the group met for dinner in the Totem Park Commons and business in the Commons lounge, giving everyone an opportunity to see something of the latest addition to student residences on the campus.

In the second place, with regular business disposed of as rapidly as possible, a long evening was given over to discussion of *Guideposts to Innovation*. Study groups of the Board had been working on *Guideposts* for weeks previously and were prepared with reports. The discussion which followed each report demonstrated that alumni have a lively and informed interest in all phases of university life.

Guideposts to Innovation, as *Chronicle* readers scarcely need to be reminded, is a recent publication of the University which "represents an attempt to define some goals for the University and to seek ways of achieving them."

Chicago Area Party

A WINTER GATHERING IN CHICAGO to meet the Alumni president has been reported by Margaret Mary Thompson.

"Not only was it a marvellous alumni reunion, it also uncovered more Lost Souls for UBC! Our Chicago area party on Sunday (January 23rd) was a whopping success, in spite of the storm that started late Friday and continued until Wednesday; by Sunday, virtually the whole of the Chicago area was without telephone or power—the streets were iced, trees were blocking roads, and fallen power lines created a real problem. However, we did have our party as scheduled, and those who braved the elements found a warm house ablaze with lights. David Brousson arrived safely, bearing glad tidings from the west coast, and our other guests discovered many mutual friends."

Have You a Job?

Thousands of UBC students will soon be looking for summer occupations, part-time work, full-time jobs, what-have-you. If you have anything to offer, for either men or women, please send details of the nature of the job, the hours and the salary to:

Mr. Miles Hacking,
Placement Officer,
Office of Student Services, UBC.

Chancellor Visits American Branches

ALUMNI GATHERED IN SEATTLE on February 5 and in Portland on February 6 to hear Dr. Phyllis Ross, Chancellor of UBC, address them. Here is a small portion of Dr. Ross's description of the UBC campus today:

"The physical changes at The University of British Columbia over the last few years are almost overwhelming, as the academic community transforms itself to accommodate the needs of the thousands of students who come now in waves and will in the future come in veritable assault waves to our doors.

"In British Columbia's fourth largest city—for such the University is—buildings arise within a few months to cover open spaces where you once played tennis or admired gardens or strolled with friends between a lecture by Dr. Sedgewick and a laboratory with Dr. Shrum. Everywhere there is a ceaseless movement—the coming and going of more than 16,000 students in or on almost every form of locomotion known to man . . . One is overwhelmed by the impression of a university—or perhaps I should use the word of recent coinage: multiversity—alive, bustling, progressive, filled with the yeast and ferment of new ideas, new plans, new procedures."

Returned mail costs money and is inefficient. If your alumni mail is not correctly addressed, please clip current address label and send it to us with the change.

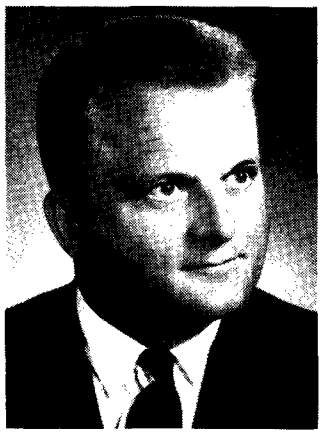
Annual Meeting

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 Wednesday, May 12, 1965, in the Banquet Room, Bayshore Inn, Vancouver, B.C.

Members of the Association in good standing are eligible and 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 active 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 May 5, 1965, at the Alumni Office, 252 Brock Hall, UBC, Vancouver 8, B.C.

Tim Hollick-Kenyon,
Alumni Director.



Tim Hollick-Kenyon, BA'51, BSW'53, Director, Alumni Association.

ALUMNITEMS

from the director's desk

OFTEN THE PACE OF THE OFFICE DAY is set by the mail received in the alumni office. There are all kinds! Some ask for information, many supply it, both heartwarming and sad, the odd one complains about something, and occasionally there is a letter loaded with humor, and we enjoy it.

One alarmed young lady from a small B.C. community that shall remain nameless writes: "I patiently take pen in hand to see if I can't persuade you to let your right hand know what your left is doing. Do you keep two sets of files in your office, each heavily barricaded against opposing file clerks? This is the only reasonable conclusion I can come to after my repeated attempts to have you send the *Alumni Chronicle* to me under my correct (married) name. The only other alternative—that you take sadistic pleasure in trying to persuade the people of this very small town that I am living in sin—seems somewhat farfetched as I can see no reason why you should have a grudge against me. . . . I make this last appeal to your good sportsmanship and any vestiges of honor that may still be kicking around. . . . Yours in hope and trust. . . ."

(This situation we quickly rectified.)

* * * * *

One of the finest letters we have ever received in the alumni office came in some time ago from an Arts grad and I would like to share it with you:

"I've been receiving letters and blank cheques from your Association ever since my graduation—but this is the first time a reply (without money) has ever been requested. I can't resist. A reply, at least, you shall get.

"I've been married to a rancher for nearly fifteen years and . . . we are expecting our eighth child. We were married four months after I got my first job; so—most of my life since graduation has been economically unproductive.

"We live on a really beautiful piece of property . . . but we are far enough out of town that the amenities are lacking. There are no schools . . . Mother has had to pinch hit numerous times. I actually taught the oldest boy his entire grade one and two. This summer the same boy and I did as much French as we could manage . . .

"The point of all this discourse is to emphasize that my education has been a source of great personal satisfaction and enrichment to me and to my family. Very probably we would not still be on the ranch had I not been able to carry on with my children's schooling in some fashion . . .

"It is no small source of pride to me to claim UBC as my Alma Mater and I've watched her continued growth with interest. Please also realize that those of us who do not contribute are not simply uninterested or malingering. Economic failures we may be but we still love UBC!"

* * * * *

Where oh where has my little plate gone?

A Victoria grad writes: "Please fellows, or girls . . . let me have my old plate back. Alma Mater's motto is Tuum Est, and I don't know many people who had so much left up to themselves as I did to get those two degrees. They aren't very high quality emblems but they're all I've got. Now I don't mind if you leave out the degrees altogether . . . but when you drop my BA for the BEd it hurts just a little right there . . .

"I'd really be hurt, of course, if the *Chronicle* stopped coming. The world of scholarly discourse as it was in 1949 has certainly changed . . . It's more than the buildings. The whole atmosphere is new. How do students survive these days as people? I'm not one to spend much time on 'the good old days,' but the news and speeches and ideas in the *Chronicle* are often a good reminder of the crisp days when only ideas counted, and money (though scarce) was mostly a nuisance . . . And about that name-plate . . ."

* * * * *

A Vancouver alumna voices concern about faculty appearance: "I had decided not to contribute this year (to AAG). Our young people, about to become UBC students, have obtained very definite impressions during their visits to the campus. Again and again they have reported how shocked they are not only by the uncalled for informality of the lectures, but also by the slovenly attire of the 'professors'. Even Grade 12 students were aware of errors in the lesson the lecturer was giving.

"What alarmed me even more was the fact that certain professors were receiving newspaper publicity for statements obviously designed to undermine the basic decencies of our society.

"However, I have reconsidered my decision, trusting that there must still be at UBC a large proportion of good lecturers and professors."

We appreciate the second look.

* * * * *

P.S. We would certainly like to have a letter from you—and you—also.

Up and Doing

News of Alumni

Send the editor your news, by press clippings or personal letter. Your classmates are interested and so are we.

1923

Norman Alexander Robertson, BA, LLD'45 is in Geneva where he is the chief Canadian negotiator at the "Kennedy Round" of world tariff reductions. Dr. Robertson is the holder of numerous honorary degrees from various Canadian universities and Cambridge, England.

1927

Leslie Ernest Howlett, BA, MA(Tor.), PhD(McGill), is the new president of International Committee of Weights and measures. Dr. Howlett joined the National Research Council in 1931 and became assistant director of the division of physics in 1948, associate director in 1949 and co-director in 1950. In 1955, he was appointed director of the newly established division of applied physics. Dr. Howlett was elected a member of the International Committee of Weights and Measures in 1956. He was named president of the Advisory Committee for the Definition of the Metre in 1956, and vice-president of the International Committee of Weights and Measures in 1960.

Herbert H. Ross, BSA, PhD(Ill.), has been elected president of the Society for the Study of Evolution after serving that organization as secretary since 1958.

1928

Ernest B. Bull, Q.C., BA, is British Columbia's newest appeal court judge. Mr. Justice Bull resigned from all his business interests which included partnership in a law firm and directorship of seven companies, to take up this appointment. He was called to the B.C. bar in 1931 and created Queen's Counsel in 1956.

1930

Donald Stevenson Watson, BA, professor of economics at the George Washington University in Washington, D.C. is the author of a new book entitled *Price Theory in Action.* The book is intended, in the author's words, "to add more flesh and motion, and thus more color and life, to the skeleton which is intermediate price theory."

1932

F. Henry Johnson, BA, MA'35, PhD (Tor.), has written the first history of public education in British Columbia. The 279-page book entitled *A History of Public Education in British Columbia* covers all phases of elementary, secondary, adult, and higher education in the province from 1849 to 1964. He states "despite the fact that B.C. has one of the most advanced educational systems in Canada, the history of its growth and development has never been written and published."

1933

Alan Bell, BA, MA'34, PhD(McGill), head of the Chemistry Division, Tennessee Eastman Company Research Laboratories, Kingsport, Tennessee, is the 1964 winner of the Southern Chemist Award presented annually by the Memphis, Tennessee, section of the American Chemical Society.

Laurance G. Harris, BA, has been appointed vice-president and general manager of the pulp and paper group of MacMillan, Bloedel and Powell River Limited. Mr. Harris has been associated with the M.B. & P.R. since 1946. For a number of years he was manager of the Company's Harmac pulp mill, near Nanaimo.

Donald Fraser Hutchison, BA, is head of personnel, Phillips Electric, England, we heard through the grape vine. Alumni may recall that Mr. Hutchison was president of the Student Council in 1931.

1938

Raymond C. Bell, BA, BASc, has been appointed Director, Technical Research, Research and Development Division of the Consolidated Mining and Smelting Company at Trail, B.C. Mr. Bell has been with Cominco since graduation.

The Hon. Mr. J. W. deB Farris, BA (Acadia), LLD, was honored recently when a group of members of the Vancouver Bar Association presented to the association a portrait of Senator Farris painted by the Canadian artist Cleeve Horne. This gesture was made to mark the Senator's eighty-sixth birthday. His

Honorary degrees for Alumni

Six honorary degrees were conferred on four UBC graduates in recent months.

Colin Cameron Lucas, BASc'25, MASc'26, PhD(Tor.), received an honorary Doctor of Science degree from Acadia University last fall.

Margaret A. Ormsby, BA'29, MA'31, PhD(Bryn Mawr), received the degree of doctor of laws at ceremonies marking the opening of the new University College on the Fort Garry campus of the University of Manitoba.

J. Roy Daniells, BA'30, PhD(Tor.), received honorary doctor of laws degrees from the University of Toronto and from Queens University.

Walter C. Koerner, HA'60 received honorary doctor of laws degrees from the University of New Brunswick and the University of Victoria.

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wife, Dr. Evlyn F. Farris (née Keirstead) LLD'42, was the first woman in Canada to win an honorary doctorate. For over 20 years she was a governor of UBC and almost all that time she was secretary of the UBC senate.

Aser Rothstein, BA, PhD(Rochester), has been appointed co-chairman of the University of Rochester's department of radiation biology and co-director of its atomic energy project. This is operated at the University of Rochester by the school of medicine and dentistry under contract with the U.S. Atomic Energy Commission and is a continuation of the university's Second World War work with the Manhattan project which was the development of the atomic bomb.

1939

Fred L. Hartley, BASc, has been named chief executive officer of Union Oil Co. of California. Mr. Hartley has been Union's president since 1964. He joined the company in 1939 as an engineering trainee immediately upon graduation from UBC. He was elected vice-president, research, in 1956. In 1960

W. P. T. McGhee, BA'46

William P. T. McGhee, BA, BSF'47, has been appointed chief forester for Crown Zellerbach Canada Limited. Mr. McGhee has been associated with the B.C. forest industry for 28 years.

---

he became senior vice president, marketing, and was elected executive vice president in 1963.

James Douglas McLeod, BASc, has been appointed deputy director of the water resources branch of the federal department of natural resources. Since 1957, he has been chief engineer of the water resources branch.

Milton C. Taylor, BSA, MSA'46, professor of economics at Michigan State University who recently completed a study of the tax structures in three of the Latin and South American countries, warned that no amount of foreign aid would have the desired results there unless accompanied by tax and other reforms to bring about broader distribution of wealth. Dr. Taylor draws his conclusions from a recent fiscal mission under auspices of the Joint Tax Program of the Organization of American States and the Inter-American Bank. The countries studied were Panama, Columbia and Peru.

1942

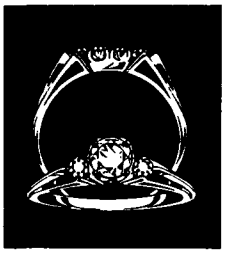
Charles H. G. Bushell, BASc, has been appointed Head, Mineral Treatment Research of the Consolidated Mining and Smelting Company at Trail.

John McGowan, BASc, also with the Consolidated Mining and Smelting Company at Trail has been made Head, Chemical Process Research Division.

John I. Goodlad, BA, MA'46, PhD (Chicago), will be guest speaker at the Saskatchewan Teachers' Federation in Regina during Easter week this year. Dr. Goodlad began his teaching career in a one-room eight-grade school in British Columbia. Today, he is Director of the University Elementary School and Coordinator of the Program for the Education of Teachers at the University of California, Los Angeles.

1946

George W. McLeod, BASc, is now



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chief engineer of Letson and Burpee, Ltd., Engineers, Machinery Manufacturers and Founders. Mr. McLeod first joined the company as a design engineer in 1946. In 1950 he became a jet engine test design engineer with A. V. Roe. He later served a major B.C. forestry company as resident engineer at its pulp mill at Woodfibre, and as construction manager at its pulp mill at Port Alice. For the past five years he has been plant engineer at another West Coast pulp and paper company's mill at Prince Rupert.

1947

Walter Johnston Hartrick, BA, will serve on a part-time basis as the first Executive Director of the B.C. Educational Research Council. The appointment reflects the steady growth of the Research Council. Since its inception in 1957 the Council has gradually extended its activities through such efforts as publication of *Studies and Reports.* Dr. Hartrick is an associate professor on the Faculty of Education at UBC.

Milan Nastich, BA, BASc'48, manager of budget and financial reporting of the Comptroller's Division of Ontario Hydro was recently named Comptroller. Mr. Nastich joined the Company in 1949 and spent six years with the System Planning Division. The following seven years he served as methods analyst for the Management Services Division, before transferring to the Comptroller's Division in 1962. Currently, he is working toward his Master of Business Administration at the University of Toronto.

1948

Albert L. Babb, BASc'48

Albert L. Babb, BASc, MS, PhD(Ill.), professor of Chemical Engineering and Director of the Nuclear Reactor Laboratories was named chairman of the department and professor of Nuclear Engineering at the University of Washington, Seattle. Dr. Babb has conducted significant research into aspects of the processing of irradiated nuclear fuel elements. These studies have been supported by the U.S. Atomic Energy Commission for the past eight years. He will preside at a session on creative teaching in nuclear engineering at the world congress on engineering education in Chicago next June. A member of the University of Washington faculty since 1952, Dr. Babb has been chairman of the Nuclear Engineering Group in the Graduate School, which has administered the nuclear engineering curriculum in collaboration with the College of Engineering.

William Moore Brummitt, BA, MD (Tor.), was made a fellow of the Royal College of Physicians and Surgeons of Canada, in January and is now practising paediatric anaesthesia at the Hospital for Sick Children (Toronto) at the University of Toronto.

Beatrice E. Houston, BA, was a successful candidate when she made her first bid in municipal politics last December. She was the only woman who appeared on the ballot in the Maryborough, Ontario elections for representation of the Township's school board system.

Douglas C. Peck, BCom, BA'49, was one of three Canadian journalists invited to visit the United Kingdom and make an extensive tour of British industry and to talk with top British industrial and

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financial leaders and government officials. He has been editor of *Western Business and Industry* since December 1961.

Archie L. St. Louis, BCom, has been promoted to general manager, Wilkinson Company, Ltd., Vancouver steel service centre. Mr. St. Louis joined the firm in 1948 and was in the purchasing department for nine years before becoming assistant general manager.

1949

James Ball, BASc, has been appointed chief engineer for the Toronto engineering office of Arthur G. McKee and Company of Canada. Formerly a partner with the consulting firm of Ball, Craig, Short and Co., he had previously served as manager of engineering for R. M. Way Co., and as chief engineer for Giffels and Vallet, Canada, Ltd., of Windsor, Ontario. Mr. Ball served for five years with the RCAF during World War II.

Leslie A. Garvie, BA, has been appointed general manager of the S. F. Bowser Company Limited, Hamilton, Ontario. He has had fourteen years of successful marketing and sales management experience.

William Glennie, BA, MA'51, has been named senior research chemist at Crown Zellerbach Corporation's Camas, Washington, central research division. His chief study will be of wood chemicals.

A. David Levy, BA, Soviet affairs expert, has been appointed to the newly-created post of CBC correspondent in Moscow. Mr. Levy specialized in Soviet affairs and Russian language at UBC and did postgraduate work at the London School of Slavic and East European studies. He taught Russian and modern history at UBC.

Frederick N. A. Rowell, BA(Tor.), LLB, was elected second vice-president of the Canadian School Trustees Association at its convention in Winnipeg last fall. Mr. Rowell at the time was second vice-president of the B.C. School Trustees Association and later was elected first vice-president of B.C.S.T.A. He is a trustee on the Vancouver School Board.

1950

Thomas William Barker, BA, has been appointed regional treasurer with American Life Insurance Company located in Karachi, Pakistan. Prior to joining American Life, Mr. Barker was manager in the Maracaibo, Venezuela Office of the International public accounting firm of Price Waterhouse and Company.

1951

James D. Beaton, BSA, MSA'53, PhD(Utah), who joined Consolidated Mining and Smelting Company in 1961 as soil scientist, has been promoted to head of soil science research.

Winston Oliver Cameron, BCom, has joined Hooker Chemicals Limited in Vancouver as industrial relations administrator. Mr. Cameron has specialized in the industrial relations field in Canada and the United States since 1951 and has frequently written articles in trade magazines.

Woodland E. Erlebach, BASc, MASc '53 is presently assistant Technical Direc-

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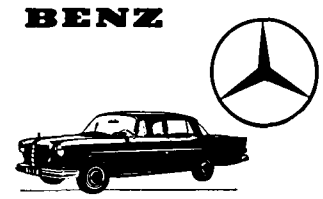

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tor, Isotopes, Inc., located at Westwood, New Jersey.

G. Aubrey Reed, BA, BSW'52, MSW '53, has recently been appointed Regional Director with the Department of Social Welfare, Vernon, B.C.

1952

David A. C. Aird, BCom, BSc(N. Car.), presented his views on the Canadian construction industry at their 17th Annual Convention. Professor Aird, of the Industrial Administration Department, UBC, was the researcher who criticized the building industry's slipshod manpower handling last year, in a scientific paper. He said construction is a major determinant in Canada's industrial health and it is the major employer, with more than 500,000 persons active in the business. "As goes construction, so goes the country," he said "and because of this, the industry is used by politicians as an instrument to manipulate fiscal policy."

Stanley T. Clarke, BA, has been made Manager of MacMillan, Bloedel and Powell River Limited's deep sea fishing subsidiary, the Canadian Transport Company, Ltd. Mr. Clarke has served with the subsidiary company continuously since his graduation from UBC.

Robert Henry Paul, BASc, of Toronto is vice-chairman of the Mechanical Electrical Division of Canadian Bechtel Limited. He joined the company immediately upon graduation as a junior engineer on pipeline design and construction management. In 1953 he joined Marwell Construction Company Limited, but returned to Canadian Bechtel Limited as assistant to the president in 1955. He was appointed development engineer in 1958 and continues in this position at the present time.

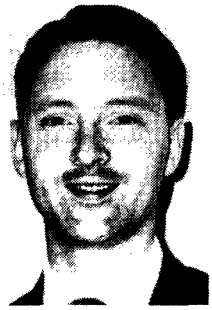
Helen Piddington, BA, now living in Paris returned to Montreal recently to share a two-man print show at the 1640 Gallery in Montreal. The prints at the exhibition show the influence of Indian designs and west coast myths, similar to the surroundings in which she grew up.

William Glen Smith, BA, game biologist for the Kootenay area for almost ten years, has been promoted to the post of chief game biologist and has transferred from Cranbrook to Victoria.

Peter F. Stonier, BA, MD'56 is now completing his final year in pathology at the Methodist Hospital, Indianapolis. He will be going to Philadelphia in June to take up a position as Director of Pathological Research for Merck, Sharpe and Dohm.

1953

John William Braithwaite, BA, BSW '55, MSW'56, warden of Haney Correctional Institution, has been elected president of Maple Ridge Board of Trade.



J. A. Herd, MD'56

J. Alan Herd, MD, was recently awarded a research grant from the U.S. Public Health Service to study the central control of the distribution of organ blood flow. The study of cardiovascular disease in animals and man is the purpose for which this award has been made. Dr. Herd hopes to gain considerable insight into the pathophysiology of human cardiovascular disease and his research will include a determination of the changes in cardiovascular function during the development of experimental congestive heart failure, hypertension and arteriosclerosis.

Gordon A. Christopher, BA, LLB'54, formerly vice-president and general

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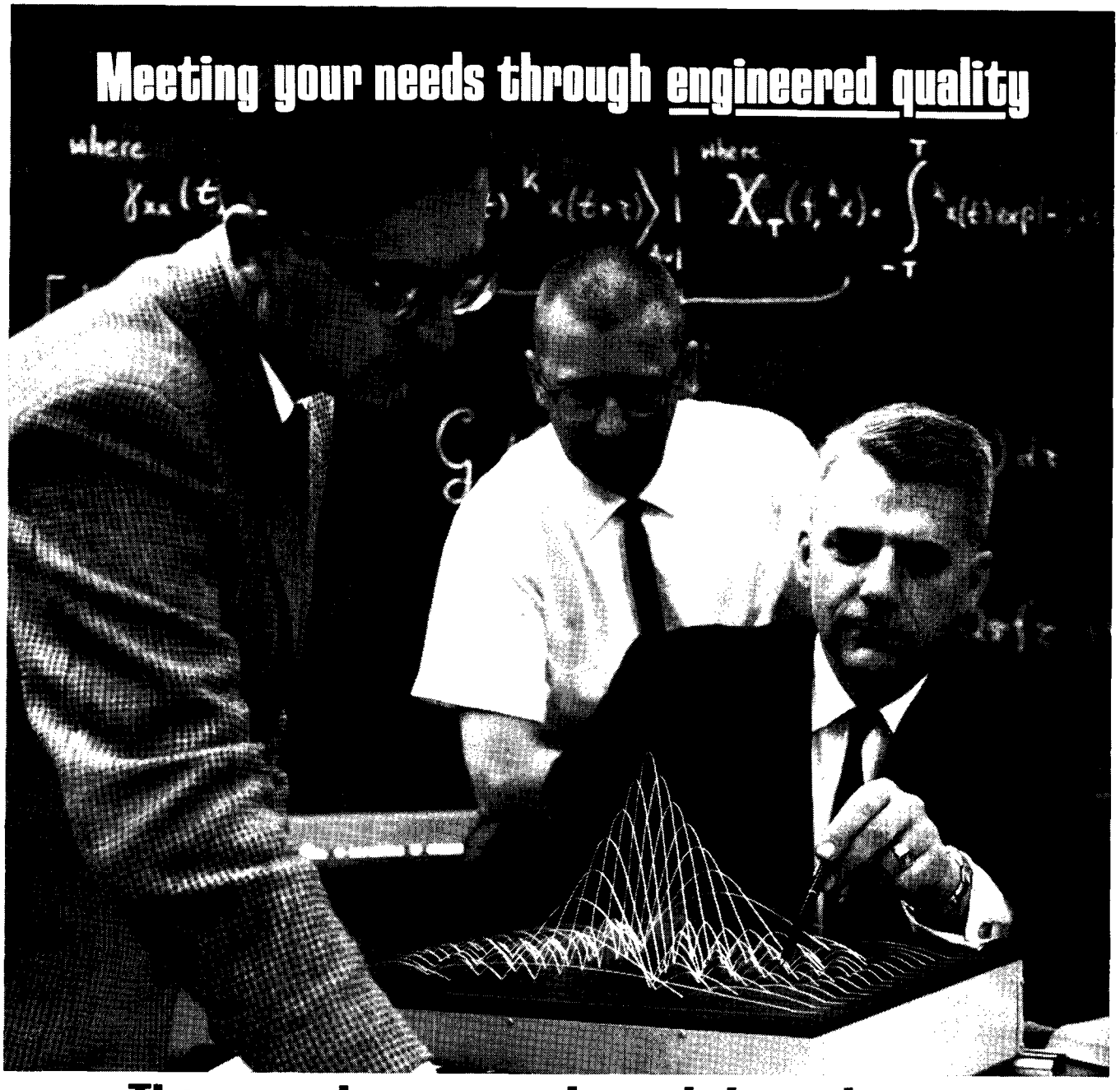

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manager, has been appointed executive vice-president for Nelson's Laundries, Limited.

Edmund Heier, BA, MA'55, says, "Even if Russia and China reached accord idealogically, their racial difference still would be enough to start a major war." This was part of his address to a Rotary Club meeting in Guelph, Ontario. He claimed that the Communism now being preached in Russia is no longer the same fiery brand as that preached formerly. Professor Heier is with the department of Slavonic Studies at the University of Waterloo.

Robert A. Mundell, BA, an economist with the Brookings Institute in Washington, D.C. suggests Canada should unpeg the dollar before it is forced to take that step. He says, "the best solution for the Canadian economy at the present time is a resumption of the flexible exchange rate system. The time to release an exchange rate from a fixed value is in a period of relative calm, not after the one-sided speculative movement has been detonated." Canadian financial authorities in Washington say there is no government backing for the Mundell argument which appeared in the U.S. Treasury department's *National Banking Review*.

1954

Del Syeklocha, BA, MSc, PhD(McGill), is now doing research at the Canadian Cancer Institute in Toronto. After graduation from UBC, Miss Syeklocha worked in the Crease Clinic laboratory in B.C., took time out to tour Europe, then went on to McGill University where she earned her Master of Science and doctorate degrees in bacteriology and immunology.

Capt. Douglas Lloyd Williams, BA, has recently returned from a two year military teaching assignment in Ghana. Captain Williams is the new Canadian Army resident officer on the UBC campus.

1955

Rev. Kenneth Barker, BA, BDMT (Knox), has been called to St. Andrew's Presbyterian Church, St. Lambert, Montreal, after six years in suburban Toronto.

Thomas D. Bingham, BSW, MSW'56, has been made British Columbia's superintendent of child welfare. Mr. Bingham has served as deputy superintendent for the department since 1961.

1956

Dennis S. Lacey, BCom, has recently been appointed an Income Tax Adviser under Canada's External Aid Program to the Trinidad and Tobago Government.

Donald Herbert Rousell, MSc, is head of the combined geology and geography department at Laurentian University. Geology courses now being offered provide a nucleus for the future developments of programs in honors geology, geological engineering and mining. Professor Rousell's experience includes three and a half years petroleum exploration in Venezuela and one and a half years in Alberta and Saskatchewan.

James B. Webster, BA, MA'58, is the author of a book entitled **The African Churches among the Yoruba,** which is one of a series of studies in African affairs. The volume deals with the policies of the early missions which brought revolt against foreign missionary societies by the educated African Christians. Mr. Webster now resides in Ghana.

1957

Paul Barclay-Estrup, BA, has been awarded a $3,450 postgraduate scholarship by the University of Aberdeen, Scotland. Mr. Barclay-Estrup is now doing research for a doctorate and is studying land use in the Scottish heath lands. He was with the University of Alberta Botany Department (faculty) at Calgary prior to going to Scotland.

Theodore E. Cadell, BA, MSc(Mass.), PhD(Wisc.), has accepted a position as assistant professor in the department of psychology, University of Waterloo, Ontario. In addition to teaching and conducting research on the physiology of emotional behaviour in monkeys, he will be responsible for the establishment of a primate laboratory. He is at present on the staff of the State University of New York Downstate Medical Center.

Hervey D. Segall, BA, MD'61 has recently been awarded a fellowship for 1965 at UCLA in radiology research, by the U.S. Department of Health and Welfare. Dr. Segall interned at Los Angeles County general hospital and in 1962 qualified for residency in radiology at the Veterans' Administration Hospital, West Los Angeles.

C. H. Lee, BSc'58

Charles H. Lee, BSc, left the Royal Bank of Canada to join Canada Trust as assistant manager in its new Chinatown branch. Mr. Lee, active in community affairs, is vice-president of the Chinatown Lions Club.

John Huberman, MA'61

John Huberman, MA, consulting psychologist in Vancouver, was the key speaker at one of the largest management meetings held in the U.S. The Eighth Annual Congress on Administration sponsored by the American College of Hospital Administrators was held in February at Chicago. More than 1,000 hospital administrators, their assistants and members of hospital governing boards from all over the United States and Canada attended the meeting.

1958

Marie E. Dunn, BHE, is technology instructor at the Saskatchewan Technical Institute in Saskatoon. The Institute opened in September 1963 and offers numerous courses in food service and food management. The food service course is designed to teach basic food preparation and service and not to train chefs. The food management course includes English, mathematics, and accounting.

C. Henderson Smith, BA(Dalhousie), BEd, MA'60, is teaching with his wife, the former **Gloria Bessie Burroughs,** BA'49, BEd'58, in Benin City, Nigeria. They are working with the Ministry of

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1959

Edward G. Auld, BASc, MASc'61, has obtained his doctorate in nuclear physics from Southampton University, England. Dr. Auld, who went to England to study under an Athlone Scholarship, is doing research at Harwell Atomic Energy Station.

Mrs. Pat Dewar BPE, is an assistant for the department of recreation at Mount Royal College. A two year diploma course in recreation is being offered for the first time. Students enrolling in the new program will be trained in community recreation, outdoor camping and related activities.

1960

Theodora Carroll, BCom, LLB'61, is an executive director of a Montreal-based organization dedicated to furthering world peace through wider public knowledge of world law. Miss Carroll's job with the Canadian Foundation for Education in World Law mainly entails setting up evening courses and seminars in universities across the country. The courses and seminars sponsored by the Foundation are designed to provide men and women with an overall understanding of international law and its effect on current and future world affairs.

George Chudin, BSc, is production supervisor for Reichhold Chemicals. He is a member of the Association of Professional Engineers of B.C.

Terrance W. Johnson, BASc, formerly planning engineer of the Wedge Property, owned by Consolidated Mining and Smelting Company of Canada Limited, has become mine superintendent of that branch.

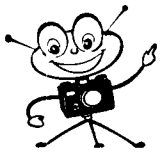
Rosemary Meadows, BHE, has been appointed extension home economist with headquarters in the Victoria office, by the 4-H Club Division of the Department of Agriculture. Miss Meadows' professional experience includes being a teacher at John Oliver high school in Vancouver and a therapeutic dietician at the Boston City hospital in Massachusetts

1961

Earle D. MacPhee, LLD, will retire on May 31, 1965, from his post of dean of the Banff School of Advanced Management. Dr. MacPhee former dean of the UBC School of Commerce and Business Administration, was one of the founders of the Banff School in 1952 and has been on its staff ever since.

1962

Roderick Kerns Calverley, MD, has left for Afghanistan, where he plans to spend at least two years practising and teaching at a hospital in the country's barren south central region. Dr. Calverley is the latest of 19 Canadian doctors and nurses who have gone to Asia to work under the auspices of the Cooperative for American Relief Everywhere, a private organization financed by contributions from Canada and the United States. Dr. Calverley was a Norman MacKenzie Scholarship winner.



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Fraser Cowie, BSc, sells plastic resins and accessories to the fibreglass boat, corrosion equipment, furniture and related industries. He joined Reichhold Chemicals in 1961, after graduating in chemistry from UBC.

Fred Ying Toy Leung, BSP, MSP'64, was awarded a graduate fellowship of $1500 for use in graduate study and research leading to his PhD in biochemistry.

David Aleth Lloyd, BASc, will study for his master's degree in England on the Athlone fellowship which was awarded to him recently. Fellows go to Britain for one or two years to follow programs of advanced work or research in universities or industry.

Raymond E. Phillips, BA, has joined the staff of Sheppard and McIntosh, Ltd., specializing in Investment Securities.

William Douglas Stewart, BCom, LLB '63, who was president of the student council at Victoria College, was called to the bar in Vancouver, last fall.

Bryce Taylor, MPE, PhD (Mass), has been appointed director of the health, physical education and recreation department of York University of Toronto. The $150 million university is under construction and Dr. Taylor will spend the first year planning facilities with the architects and hiring his staff. Dr. Taylor attended Springfield College, Mass., on a Canadian Fitness and Amateur Sports scholarship. He received over $10,000 in scholarship awards.

1963

Robert E. Dubberley, BA, has been appointed director of the Confederation Centre Theatre. Following the official opening of the Centre, Mr. Dubberley was presented to Her Majesty the Queen and Prince Philip.

Gerry W. Fitzpatrick, MA, has been promoted to area representative for the B.C. Hydro and Power Authority, located in Nakusp. Mr. Fitzpatrick under direction of the regional development co-ordinator, will be responsible for preparation of community and resettlement planning in the Arrow Lakes area.

Ronald E. Pike, BASc, has been awarded an Athlone Fellowship. The award covers expenses to and from England and is financed by the British Government.

1964

Werner Hooge, BSA, is the new assistant District Agriculturist at Red Deer, Alberta. Since graduation he has been employed by the B.C. Parks Branch of the Department of Recreation and Conservation.

John Konkin, BSF, has received a gold medal from the Canadian Institute of Forestry, one of four awarded annually.

David L. Krause, BSc, is now in New Delhi, India where he will attend the India Agricultural Research Institute for two years. Mr. Krause won a Commonwealth Scholarship from the Government of India.

W. R. W. Thirsk, BA, has won a $500 Crown Zellerbach scholarship for postgraduate study in economics and political science at UBC.

David George Wyse, BSP, of Kamloops, was the recipient of the E. L. Woods prize, instituted by the Canadian Foundation for the Advancement of Pharmacy. It is awarded for the best paper submitted by a student in a faculty of pharmacy on a research project.

In the course of his pharmacy studies, Mr. Wyse has already received a dozen prizes and scholarships totalling $3,000. He intends to commence studies for his master's degree this autumn and eventually to obtain a doctorate in pharmacology.

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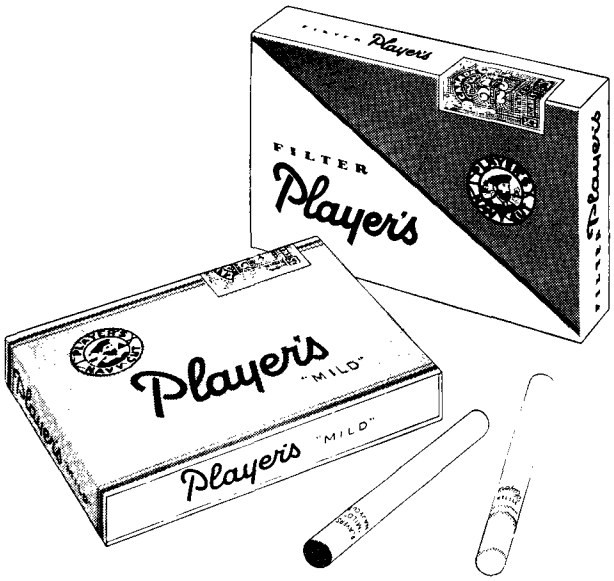

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Births

MR. and MRS. THOMAS WILLIAM BARKER, BA'50, a daughter, Carol Wendy, October 27, 1964, in Karachi, Pakistan.

DR. and MRS. WILLIAM M. BRUMMITT, BA'48, MD(Tor.), (née LOIS MCRAE, NGA), a son, November 15, 1964, in Willowdale, Ontario.

DR. and MRS. MELVIN G. CALKIN, BSc, MSc(Dalhousie), PhD'62 (née PATRICIA JOYCE PETRIE, BA'61), a daughter, Elizabeth Jean, February 4, 1965, in Fairview, Nova Scotia.

MR. and MRS. PETER WAYNE ELLIOTT, BSc'58, (née DIANE WATERS, BHE'59), a son, David "Gareth," December 23, 1964, in Victoria.

Marriages

BARR-MILLER. Matthew Ronald Barr, BSc '60, MSc'63 to Lois Elizabeth Ruby Miller, BA'61, in Vancouver.

BONAR-INNES. Allan Sanderson Bonar, BASc'62 to Sandra Ruth Innes, in Vancouver.

CLIMIE-CHANT. William Austin Climie, BCom'63 to Nancy Florence Chant, in London, Ontario.

DEANS-HAWTHORNE. Dennis Lindley Deans, BASc'64 to Catherine Agnes Hawthorne, BHE'64, in Vancouver.

DERBY-CULLEN. James Franklin Derby, BA'61 to Isabel Jean Cullen, in West Vancouver.

FARISH-BARRIERE. Donald James Farish, BSc'63 to Diane Florence Barriere, in Hendersonville, North Carolina.

GREENO-DOBSON. Daniel William Greeno, BCom'64 to Barbara Louise Dobson, BHE'62, in Vancouver.

HIGGINS-CAMPBELL. Elmer Raymond Higgins, BASc'64 to Catherine Mary Campbell, BSN'64, in Vancouver.

LAWDER-RUSSELL. John Ormsby Lawder to Marion Mather Russell, BSN'63, in West Vancouver.

LEESON-STEWART. James Arthur Leeson to Judith Mary Stewart, BHE'62, in North Vancouver.

OAK-KALINOWSKI. Axel Dale Oak to Josephine Regina Kalinowski, BA'60, in Alberni, B.C.

ROSEN-BORTNIK. Cal Rosen, BASc'55, MBA'63 to Tanya Bortnik, in Vancouver.

SCHAFER-BLAKE. Norman Edwin Schafer to Mrs. Pamela Adelaide Blake, BA '55, in Fort St. John, B.C.

SIMPSON-GREENWELL. John Christopher Simpson, BA'62 to Gail Eleanor Greenwell, BA'62, BSW'63, MSW'64, in Vancouver.

SUTHERLAND-MCFADYEN. Gary Bruce Sutherland, BCom'64 to Marilyn Ann McFadyen, in Vancouver.

WARREN-MATHESON. Terrance Peter Warren to Barbara Ann Matheson, BA'64, in Vancouver.

WHITE-COFFILL. Robert Wayne White, BSc'63 to Donna Coffill, in Halifax, Nova Scotia.

Deaths

1919

W. John Allardyce, BA, MA'21, PhD (McGill), died in December, 1964. He was one of the eight men who organized the Great Trek in 1922. Dr. Allardyce entered UBC in 1914, served in World War I and returned to UBC for his B.A. degree in 1919. He is survived by his wife, a son and daughter.

1925

Victor James Eby, BSA, died on November 16, 1964. Mr. Eby was employed by the Canadian Industries Ltd. as sales manager in Calgary for seven years, after which he was transferred to New Westminster. He also lived on Hornby Island for five years and was well known in the Kamloops district where he farmed and was sales manager for Purity Feed Company for 15 years. For the past one and a half years, he had farmed at Cobble Hill. Mr. Eby served in the RCAF during World War II, was a former Rotarian and a member and director of the Cobble Hill Farmers' Institute.

1931

William Randolph Beamish, BA, LLB '58, died in January 1965. Mr. Beamish had been appointed magistrate just six weeks previously. Prior to this, he had been a councillor and reeve of Burnaby. For several years before and after being called to the bar, Mr. Beamish served throughout the province as Assessment Appeal Board Member. He is survived by his wife and two daughters.

1946

J. W. Wilson, BCom, died in August, 1964. Mr. Wilson belonged to the Professional Accountants Group, Victoria Branch, besides holding membership in the Professional Institute. He was a member of the Society of Industrial and Cost Accountants of British Columbia and at the time of his death was employed by the Income Tax Branch of the Department of National Revenue.

1956

M. Alice Husband, BHE, died on December 23, 1964. Miss Husband taught at Sir Winston Churchill High School in Vancouver for four years until she contracted multiple sclerosis in 1960. For three years prior while at UBC Miss Husband was a member of the UBC Players Club and served as wardrobe mistress for Theatre Under the Stars. She is survived by her parents, a brother, a sister and her grandmother, Mrs. J. D. Dyer of Calgary, Alberta.

Howard Milward Parker, BA, BEd'57, died October 26, 1964. Mr. Parker taught in Trail for eight years, working during the summer holidays and attending summer sessions at UBC. During this period, he also prospected and mined in the Slocan country. At the time of his death, Mr. Parker was supervisor of schools for the South Cariboo district. He has left a wife and three daughters.

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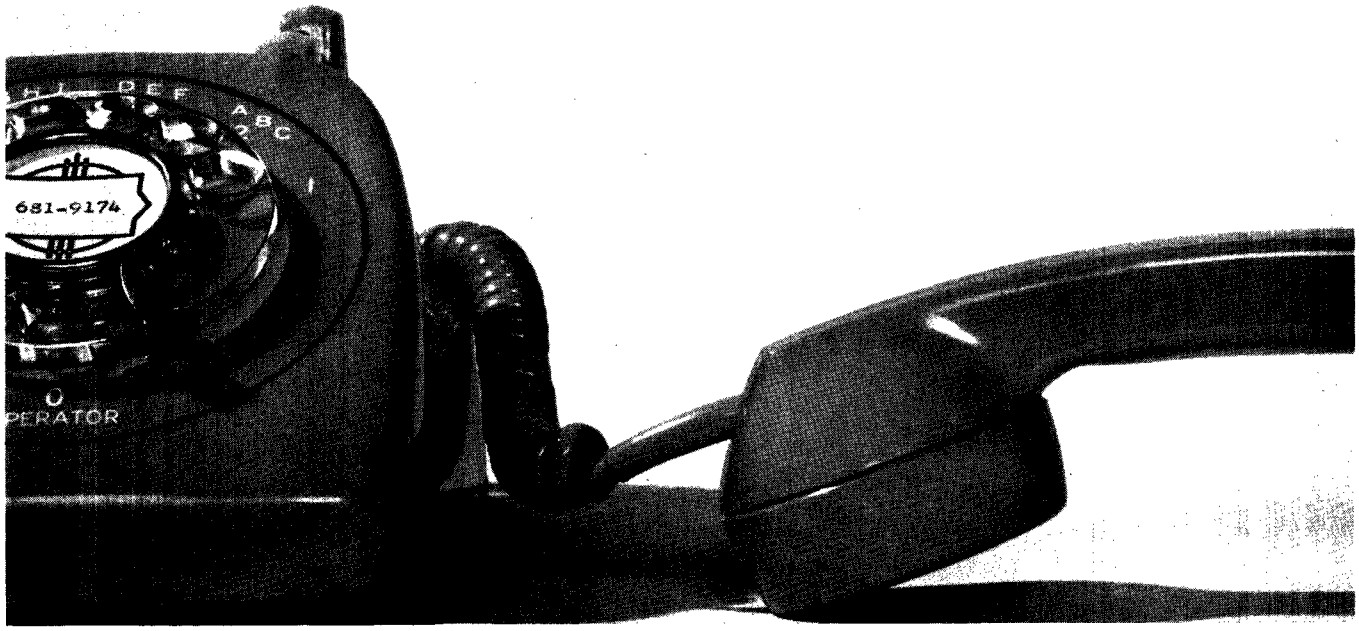

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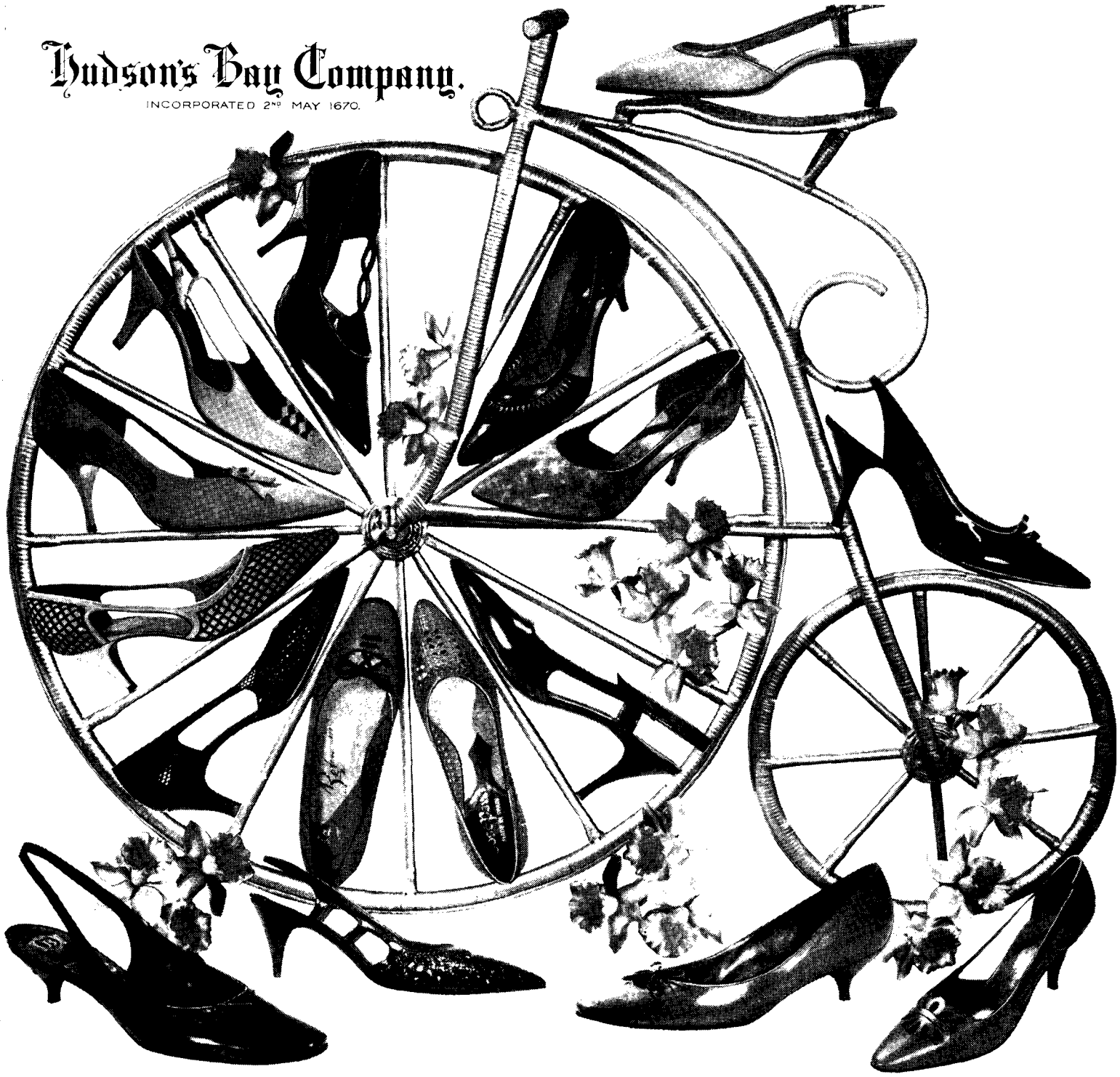
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