UBC ALUMNI
# Chronicle
SPECIAL COLLECTIONS
MER 1978

**NITEP:**
**Not a Red Pass,**
**But a Red Passageway**

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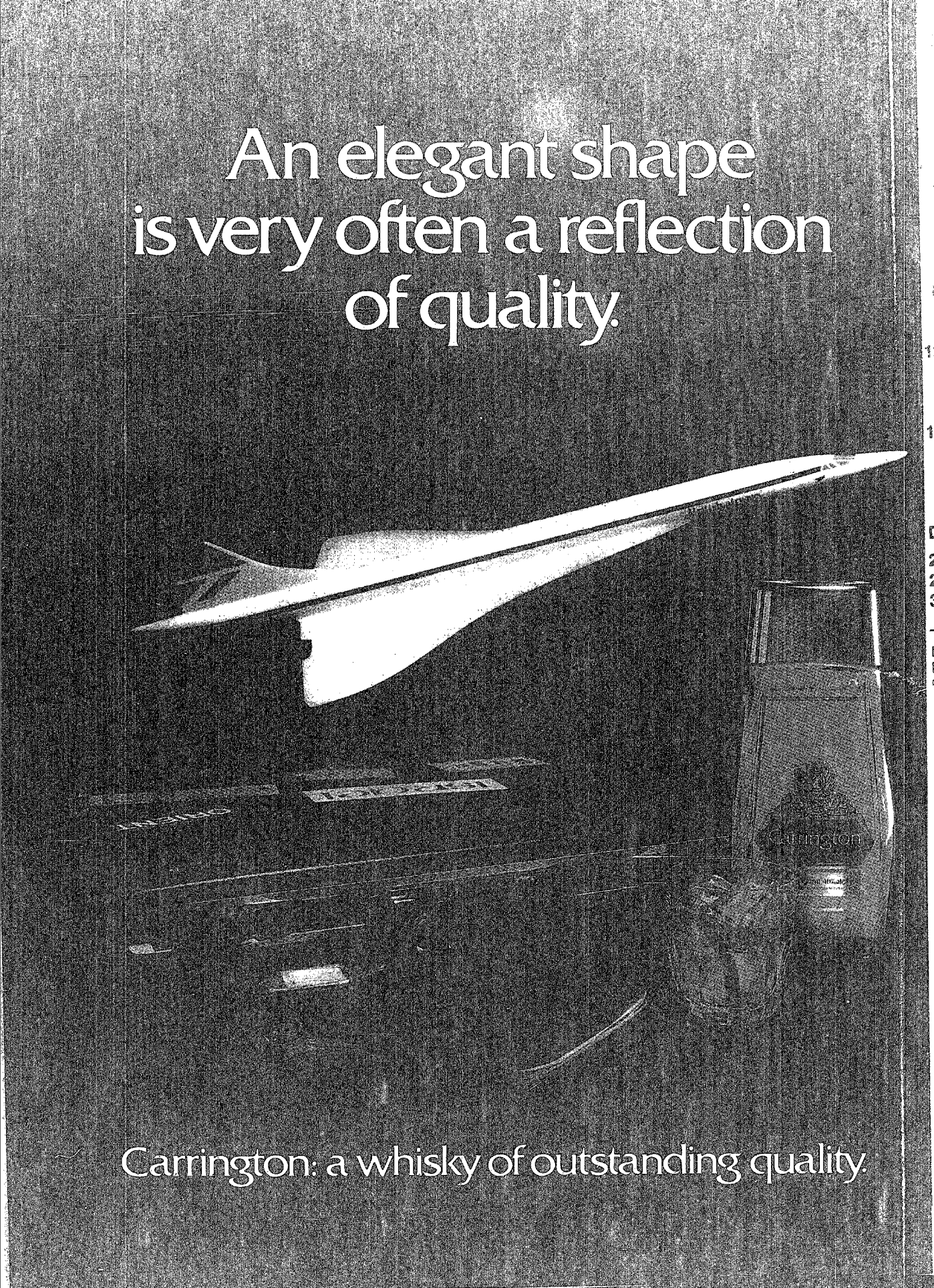
# An elegant shape is very often a reflection of quality.




Carrington: a whisky of outstanding quality.

UBC ALUMNI
# Chronicle
Volume 32, Number 2, Summer 1978

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# President's Message

In times of economic stress, each one of us is faced with the difficulties brought about by tight money, unemployment and some infringement on the privileges we all enjoy. This coming year does not seem to promise relief from the basic global economic problems of recent times. While many of us complain or express negative opinions as to how we are affected personally by this condition, few of us give any consideration to the challenge and opportunity that difficult times can present. As one of the more than 85,000 graduates from this university, 55,000 of whom live in B.C., it is your responsibility to accept this challenge and to become involved in its solution.

Our motto "Tuum Est" — it's up to you — I hope, should suggest to you that the need for your participation and support of higher education did not cease on the day of your graduation. Your education is an experience through learning, that allows you to participate in the changes that shape our economic and social destiny. Education is not intended to provide you with a right to employment, but to provide a stepping stone to your qualification to pursue a chosen career.

Some of those who have risen to the challenge are alumni representatives on our board of governors and senate. On June 2nd, 1978 Hon. Jack V. Clyne, BA'23, who is a former member of the B.C. supreme court and a retired chairman of MacMillan Bloedel Limited was installed as chancellor for a term of three years. Mr. Clyne was a participant in the 1922 Great Trek, which resulted in the completion of construction of the first Point Grey campus buildings and the move to the campus in 1925. He succeeds Donovan Miller, BCom'48, the 1960-61 president of the alumni association.

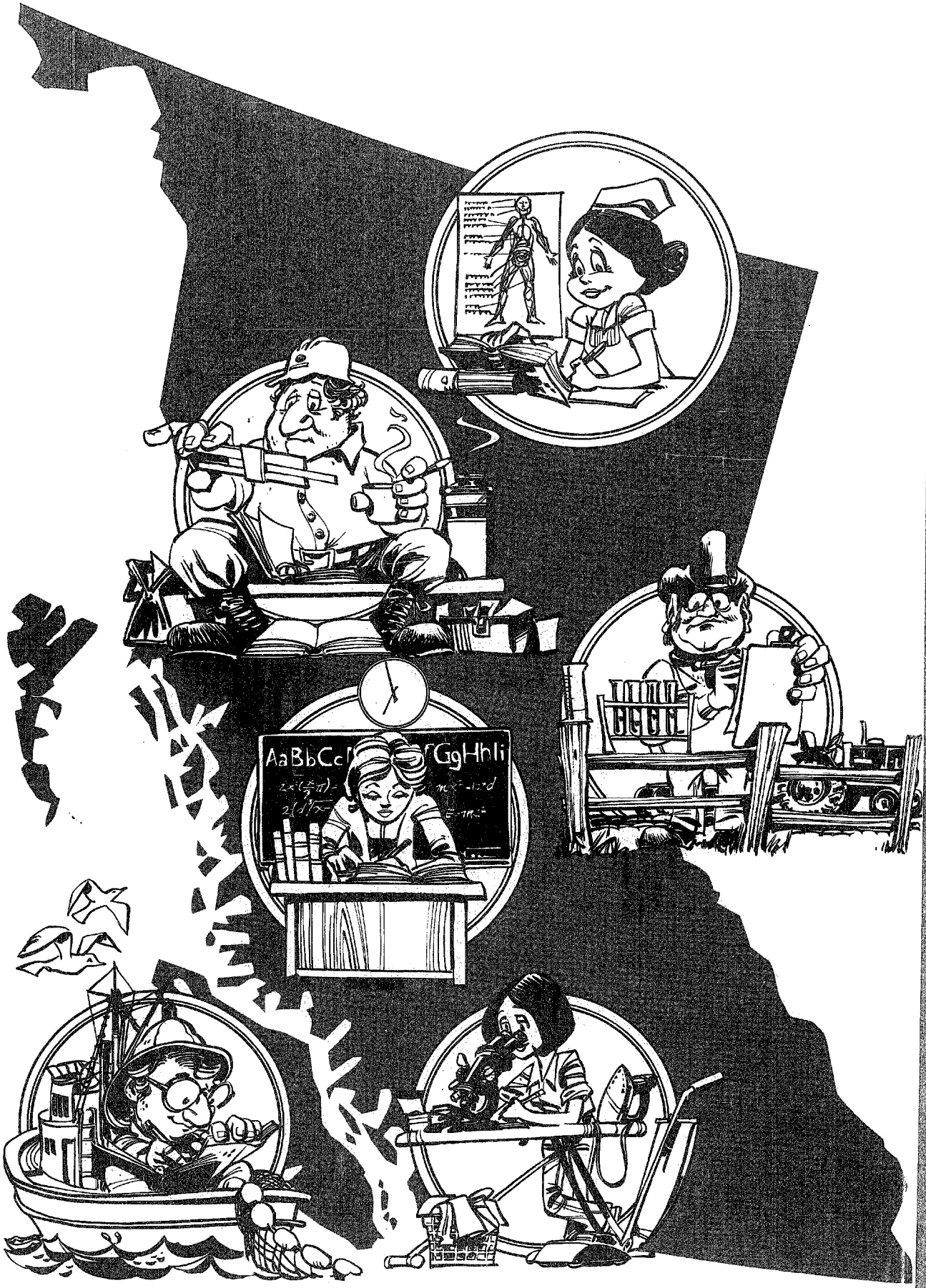
A second welcome recent announcement was the appointment of Dr. William C. Gibson, BA'33 as chairman of the Universities Council of B.C. For many years Dr. Gibson, who is well-known for his work in neurological research and psychiatry, headed the UBC Kinsmen laboratory. A past-president of the alumni association, he resigned as head of the department of the history of science and medicine at UBC to take up his new post. He succeeds Dr. William Armstrong who has been chairman of the council since it was established in 1974 and is a former dean of applied science and deputy president of UBC.

Your alumni association will exercise its greatest effort this year to bring its members more closely together. Regretfully funds may not be available to support every program we have been accustomed to providing and this year we will be concentrating on improving the quality of programs, perhaps at the expense of quantity. To this end we welcome your suggestions and your participation wherever you may reside. I might add the time donated by a volunteer greatly enhances our ability to serve our alumni members, the university and the community.

One of this coming year's major events is Open House, to be held in March 1979. This is a date that should be circled on your calendar. It is an opportunity not only for the university to demonstrate its offerings to the community but also a chance for you to acquaint our coming generations with a taste of the wide variety of subjects that higher education has to offer.

In a few weeks the new board of management will be meeting to acquaint itself with programs that are planned for the coming year. I would like to express my personal thanks to all those members who permitted their names to stand in the recent election for membership on the board. I wish all our alumni, volunteers and participants an interesting and rewarding year.

*Paul L. Hazell, BCom'60*
*President, 1978-79*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# British Columbia's Open Learning Institute:

# A RESPONSE TO THE FUTURE

Clive Cocking

To Dr. Pat McGeer, the image clearly has great political sex appeal. For so long the lean, jut-jawed, smoothly articulate former brain researcher, now education minister, had been sniped at by his critics in the legislature and the news media for being "elitist." Now, suddenly, here he is apparently bucking the resistance of a status quo-comfy academic establishment to bring a vast cornucopia of educational opportunities to *the people* — to the educationally-deprived whether in Atlin, Pouce Coupe or Surrey — through a new multi-media Open Learning Institute. *Dr. Pat McGeer, the people's education minister*. With academics being somewhat unloved these days, it is, you have to admit, a politically attractive image.

"I was under no illusion that the response to the open university concept would be greeted any differently here than it was when Harold Wilson introduced it in Britain," said McGeer in an interview, speaking of reaction to his plans. "The opposition of the education establishment immediately surfaced. One section of the education establishment wants to kill off anything new that competes with their programs, another wants to kill off anything that competes with theirs. In fact, it will compete with none of them but will enhance what they all have to offer. What I've tried to get across to the people of B.C. is that we're going to enjoy here the same achievements and success that the people of the United Kingdom enjoyed."

Yes, well. The question, as it so often is in politics, is whether the image corresponds to the reality. Is Dr. McGeer fighting a lonely, heroic battle to give more educational opportunities to the people in the face of foot-dragging opposition by education's vested interests who are afraid for their jobs and their cushy little empires? Has there *really* been all that much resistance to the Open Learning Institute? Or has Dr. McGeer set up a convenient straw man to buffet about and use as justification for acting unilaterally — and for scoring political points?

There is no denying, of course, that academia has been rife with confusion and controversy ever since that late February day when Dr. McGeer publicly announced plans to establish an Open Learning Institute. In very general terms, he revealed that the institution would use a variety of educational modes and communications media to bring educational programs to people all over B.C. who, for a variety of reasons, are now unable to attend conventional courses. At the same time, the minister signed a "letter of interest" with Sir Walter Perry, vice-chancellor of Britain's Open University — who was in Vancouver as the Wesbrook Memorial lecturer to address a UBC Alumni Association sponsored dinner — in which the education ministry expressed its intention to contract for OU consultants and course materials to help in establishing B.C.'s new institute.

But any compliments for the plan — which has solid merit and undeniable public appeal — were quickly drowned by protest from the three university presidents and the Universities Council of B.C. that they were not consulted by the education ministry in making the decision. Education minister McGeer countered that the council and the universities had indeed been "thoroughly briefed" by deputy minister Dr. Walter Hardwick. While acknowledging that they had been informed prior to the announcement, the council and the university presidents still pointedly maintain that this is not the same as being consulted or involved in the decision-making.

In any case, the generality of McGeer's initial announcement raised more questions than were answered — regarding the validity of the institute's approach, the use of television, the program emphasis and the cost — and many of which remain to be answered. The university presidents are certainly miffed and frustrated at the way such an important decision — one which inevitably will affect all of higher education — was taken, but they firmly deny being opposed to the Open Learning Institute.

"There's been a lot of questions, but I wouldn't interpret those questions as resistance," says University of B.C. president Dr. Douglas Kenny. "My view is that there's no doubt that the OU in England is a success and that potentially it could be a success here, depending on the way it's operated."

Simon Fraser University president Dr. Pauline Jewett strongly disagrees with McGeer's analogy between B.C. and Britain in the responses to the open learning concept. "In Britain, the Labour government of the day asked all the established universities if they would do this and they declined and that's why it started as a separate institution. Here both this and the previous government have been urging us to do this and in my case it didn't take much urging. I was anxious for us to both open up our own campus and to go off campus — either physically send our people off campus or develop correspondence courses or whatever. So you didn't have this bitter resistance and it really infuriates me when I read in the paper about how these elitist institutions won't respond to needs. I don't think that's true."

The controversy and confusion on the higher education front this spring has, in fact, been the natural result of the imperious style of the current education ministry. It is run by two UBC professors — on leave of absence — with strong backgrounds in higher education — neurological scientist Pat McGeer and his deputy minister, Walter Hardwick, a geographer, contributor to the Macdonald Report on Higher Education, education consultant to the Barrett government — both of whom have very definite ideas on education and are extremely confident (and that may be an understatement) that *they* know what needs to be done.

They have presided over a ministry

**The Open Learning Institute is, potentially, one of the most progressive, important developments in B.C. education.**

which has been very active in independently launching initiatives in higher education which seem to be related, but exactly how has not yet been spelled out. They include: the Winegard Commission which recommended establishment of a new Interior university as an offshoot of SFU, a proposal which (despite SFU's willingness) has not been acted upon; the Interior University Programs Board to plan and coordinate university programs for non-metropolitan B.C.; a study of distance education delivery headed by consultant Pat Carney whose report released in February recommended a multi-faceted delivery system (similar to the announced Open Learning Institute); an application to the Canadian Radio-Television Commission for an educational television channel; new legislation replacing 14 community college councils with three province-wide councils to govern the colleges; and, most important of all, the new Open Learning Institute. How all these pieces fit into a new scheme for higher education is a mystery even to those who *should* be part of the planning.

"There are so many balls up in the air at the same time," admitted Gerry Schwartz, Universities Council executive director, "that there is some concern in the education environment that they may come tumbling down on our heads rather than falling into a neat format."

The point is that it's all been an absurd, dismal and unnecessary flap. McGeer may have scored some political points in the Interior in how he played the news of the Open Learning Institute, but in so doing he's given his institute a messy, faltering start on life. Where there should have been praise there was controversy; where there should have been excitement there was confusion: a dubious baptism it will take some time and effort to overcome. And that's sad because the Open Learning Institute is, potentially, one of the most progressive, important developments in B.C. education.

What, exactly, is the Open Learning Institute to be? Until education minister McGeer described the government's Open Learning Institute plans to the legislature in mid-April — in fact, his first truly explicit, extensive public statement — the answer to that question was shrouded in ambiguity and misconceptions. Two misconceptions which appeared most frequently in the newspapers were that it was to be an "open university" or a "televised university system." The mandate, in fact, is far broader than this, making it a unique concept in Canada, if not North America.

As McGeer told the legislature, the institute would offer a complete range of post-secondary programs from basic vocational to career upgrading to university degree courses. "The mission of this Open Learning Institute," he said, "will be to develop, distribute and provide courses and programs of study in these areas: first, academic transfer courses for first and second year [university]; second, academic courses for third and fourth year; third, career and vocational programs leading to appropriate certificates and qualifications; fourth, career and vocational upgrading courses and programs; fifth, adult basic education leading to or related to appropriate certificates or qualifications; sixth, community education courses and programs related to local and provincial interests and needs."

The open learning concept essentially reflects education's response to the unique conditions of the Seventies. Pioneered by Britain's Open University and now increasingly copied around the world, it is an attempt to do what educators have long recommended: to skilfully unite the best pedagogical techniques with the latest advances in communication. It is also, of course, an attempt in a period of high cost to (ideally) reach more people with limited education budgets than would apparently be possible with conventional methods.

B.C.'s Open Learning Institute is also, it seems, a response to some social trends underway in the province. University and college enrolment trends, according to the Carney report, indicate a decline in the increase of young college-age students and an increase in the number of mature students: the average age now of part-time college students is over 30. While full-time post-secondary enrolments are currently either stationary or declining, there has been a steady increase in recent years in the number of people taking part-time courses. With the expectation for slow economic growth into the 1980s, the Carney report suggests the Open Learning Institute's function of providing part-time retraining and upgrading programs may be vital in enabling many people to obtain/retain employment or achieve advancement.

So the main aims of the Open Learning Institute are not only to respond to these conditions, but to give educational opportunities to people who, for geographical or social circumstances, have been unable to take advantage of conventional programs. Interior residents particularly have often felt bitterly resentful, as the Universities Council discovered in a tour in June 1977, at being deprived of the many post-secondary educational opportunities readily available in the Lower Mainland. All in all, the institute is intended to serve many types of people: they may be farmers living in isolated communities; they may be shift workers in a pulp mill or seasonal workers like fishermen; they may be housewives stuck in the suburbs; they may be physically handicapped or institutionalized; they may be high school dropouts looking for a second chance; they may be people from different cultural backgrounds who are intimidated by the thought of attending existing institutions; or they may be individuals who simply want to learn at their own pace.

Rather than drawing students in, as in the traditional bricks-and-mortar approach, the institute's mandate is to reach out to students with the latest communications media. Depending on the program, as the Carney report outlined, one or more of the following instructional modes could be used: sophisticated print correspondence materials; cable and over-the-air television programs; audio and video tape lectures; satellites for inter-active audio and television instruction; computer-assisted learning; telephone tutoring and class discussions; and face-to-face tutoring and weekend seminars at learning centres. The important point is that it is not to be primarily a television based system.

In Britain's Open University, to which Dr. McGeer and Dr. Hardwick have looked as a basic model, television instruction plays a minor role. The OU relies largely on well-designed correspondence materials and a network of tutors. Television has limited effectiveness and is too expensive to be used exclusively: its cost is something like seven times that of radio and 20 times that of print. It's expected that television will similarly be ancillary in B.C.'s Open Learning Institute.

The British Open University has been particularly looked to, according to McGeer, because of its success in demonstrating that high quality education can be provided without reliance on traditional face-to-face instruction. (The OU now has 75,000 students and since its inception seven years ago it has awarded

000 degrees, which are completely accepted in Britain's university system.) But this can only be achieved with sophisticated, skilfully prepared course materials.

The cooperative arrangement that is being developed with the Open University is intended to give B.C. the benefit of OU expertise and the cost saving of buying already proven course materials. "It's not foisting a foreign educational system on British Columbia," McGeer told the legislature. "What we are doing is entering as partners into a world-wide enterprise of preparing these open-learning materials. You cannot use traditional textbooks; you cannot use any of the traditional methods and succeed. The cost of putting together a quality course, whether it's at the university or at a vocational level, may run into the millions — $2 million or more for a single course. It's quite beyond the capability of a province like British Columbia to provide the full array of materials that our citizens will require. Therefore we must enter into partnership with others."

It's envisaged, in other words, that the Open Learning Institute will ransack the world to obtain top quality learning materials from other similar institutions — such as Alberta's Athabasca University and California's Coastline Community College — on the most economic terms. B.C.'s Open Learning Institute will also, as it gets underway, produce some of its own course packages and which, according to McGeer, must be of high enough quality to be sold to other institutions in the world. One of the first areas the institute may get into is production of vocational course material, since there is less of this available than academic material.

Distance — or open — learning is not completely new to British Columbia. In fact, it may come as a surprise to the public to learn how much is already underway: 7,000 people are now taking various types of home-based courses offered by public institutions. While UBC has offered a fine arts course on local cablevision and SFU offers some arts and education courses in Okanagan communities, the main effort so far has been carried on by the 14 community colleges, many of which serve vast areas. The colleges have both developed their own learning materials and are already using materials obtained from Athabasca University, various U.S. institutions and Britain's Open University.

Some examples. North Island College, which is very extensively involved in distance learning, tutors students on fishboats and in logging camps by radio telephone. Malaspina College runs a learning centre in a shopping mall for shift workers. New Caledonia College runs a welding program on site at various points in its region using a specially-equipped trailer. The same college has given videotaped psychology lectures, with tutorial support, in Burns Lake. And the B.C. Institute of Technology has initiated an experiment using computers to teach math after hours.

So it should not have come as a surprise to education minister McGeer, when he appeared before 40 college principals and senior faculty at a conference at Douglas College in March, that community college representatives had some serious questions about the role and function of the new Open Learning Institute. They expressed concern particularly as to which segment of the population the new institute would be aimed at, what would be the emphasis of the core curriculum, how would the institute relate to the colleges' effort in distance education — would there be any role left for the colleges?

The Open Learning Institute, McGeer replied, was not being established to compete with existing colleges or universities. But one of the problems, he said, with distance education programs now is that they are "uncoordinated and from a public point of view invisible". The institute will provide an identifiable centre for home-based study and will collaborate and cooperate with existing programs in a coherent province-wide effort. Colleges will be able to continue to meet local needs in distance education with their own programs.

The colleges, Dr. McGeer stressed, would not be forced to do anything they do not want to do. But the Open Learning Institute, by producing its own sophisticated learning materials and accumulating others from around the world, will become a valuable storehouse for the colleges or universities to tap, as has happened in Britain where Open University course materials are now widely used in established universities. The institute will make available to them material that they would either not otherwise be aware of or able to afford.

"The institute will make it practical," McGeer said in an interview, "for the colleges to run very small courses on a cost-effective basis where otherwise they would not be able to do so. It will really broaden the horizons of existing institutions to a remarkable degree. It will be possible for one instructor to offer a whole variety of these Open Learning Institute courses on a tutorial basis instead of offering just one. Many of the colleges were so paralyzed with fear of competition that they didn't see that."

The concerns about the role of the Open Learning Institute and its relationship with the rest of post-secondary education will be resolved, according to McGeer, in the detailed planning process recently begun. The planning group is composed of education ministry officials and representatives of universities, colleges and institutes. The institute will operate under the Colleges and Provincial Institutes Act with its own principal and board of governors. Its first year budget will be a relatively small $2.4 million.

**The open learning concept reflects education's response to the unique conditions of the Seventies.**

The Open Learning Institute will begin modestly, it may only involve a couple of thousand students in initial years, but McGeer is very confident that it will ultimately have a great impact. "It will be the greatest advance in education in B.C. in 50 years because it will reach a segment of the population which is now alienated from the post-secondary system for geographical, psychological, social or financial reasons. It will achieve a great unmet concept of education, which is that it should be available to individuals regardless of their station in life as a means of improving their position in life. The Open Learning Institute's importance will stretch beyond education: it's going to make for genuine democracy in the education area."

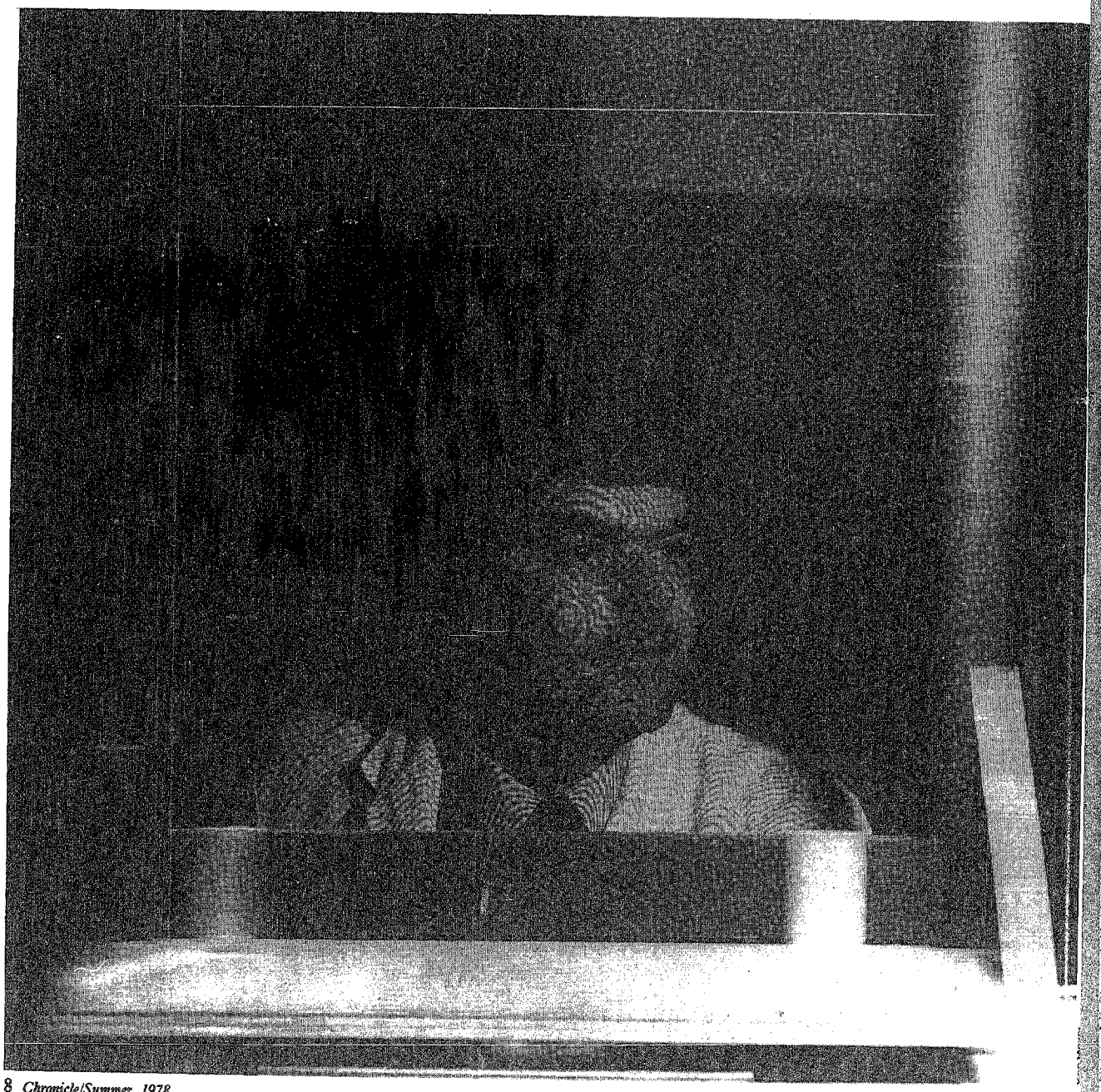
There are many others who also hope this will prove true. But this is not likely to happen without the cooperation and involvement of all segments of post-secondary education which, despite Dr. McGeer's comments about "opposition", have already with their own programs demonstrated wide support for open learning. The biggest threat to the success of the Open Learning Institute is education minister McGeer's pronounced tendency to centralize decision-making in his ministry. You can't have an "open" learning institute without opening up the decision-making process to the educators involved: the other way is *elitist*. □

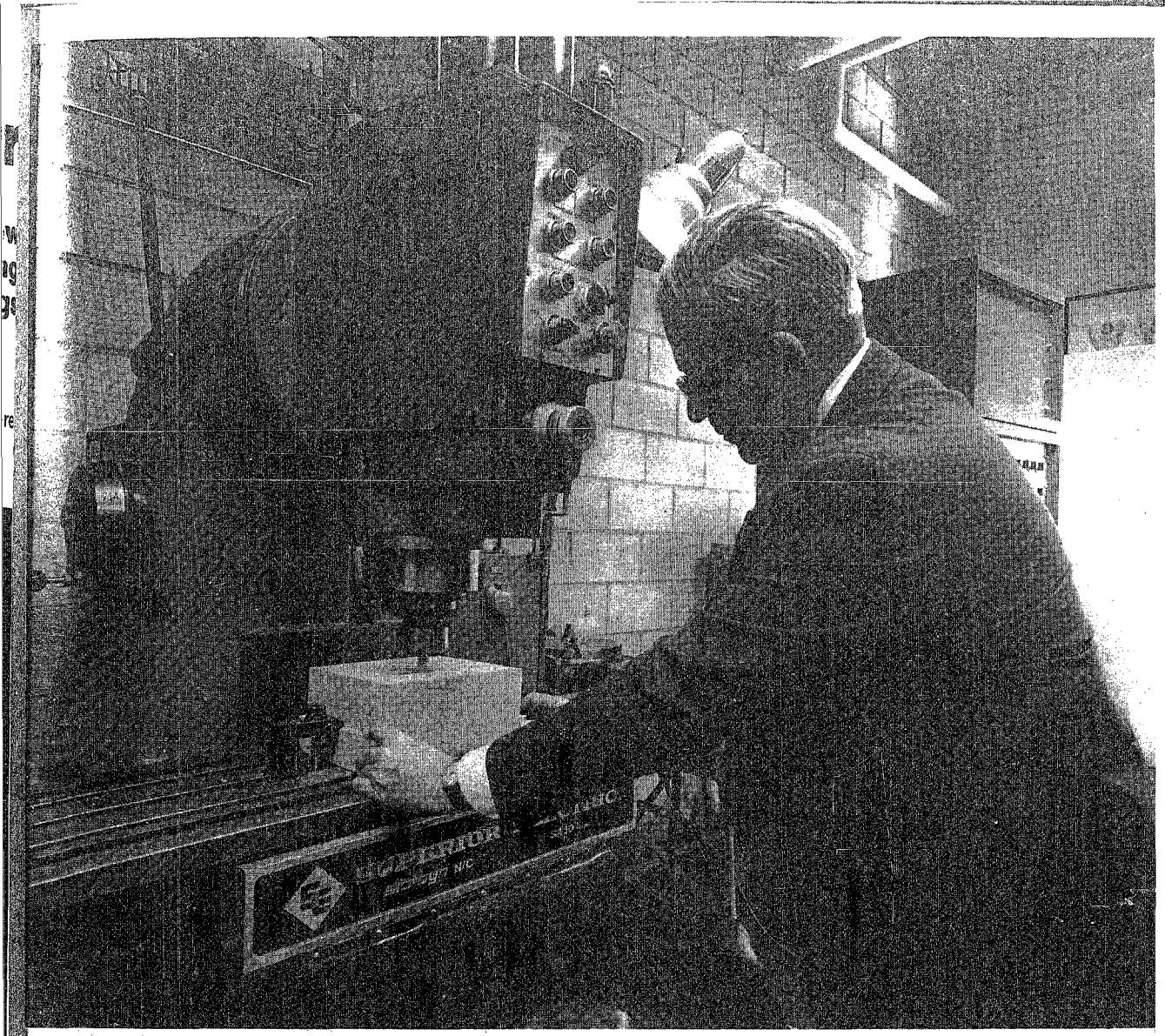
*Drs. Kenny, McGeer and Hardwick and Pat Carney are all UBC alumni, as is the author, Clive Cocking, a former editor of the* Chronicle.

# The Computer As Sculptor

**From Moire patterns, a milling machine and a new computer program, UBC engineers are producing spare parts for humans — and other useful things**

Tim Padmore





Give professor James Duncan three stereoscopic views and a place to stand and he will machine the world.

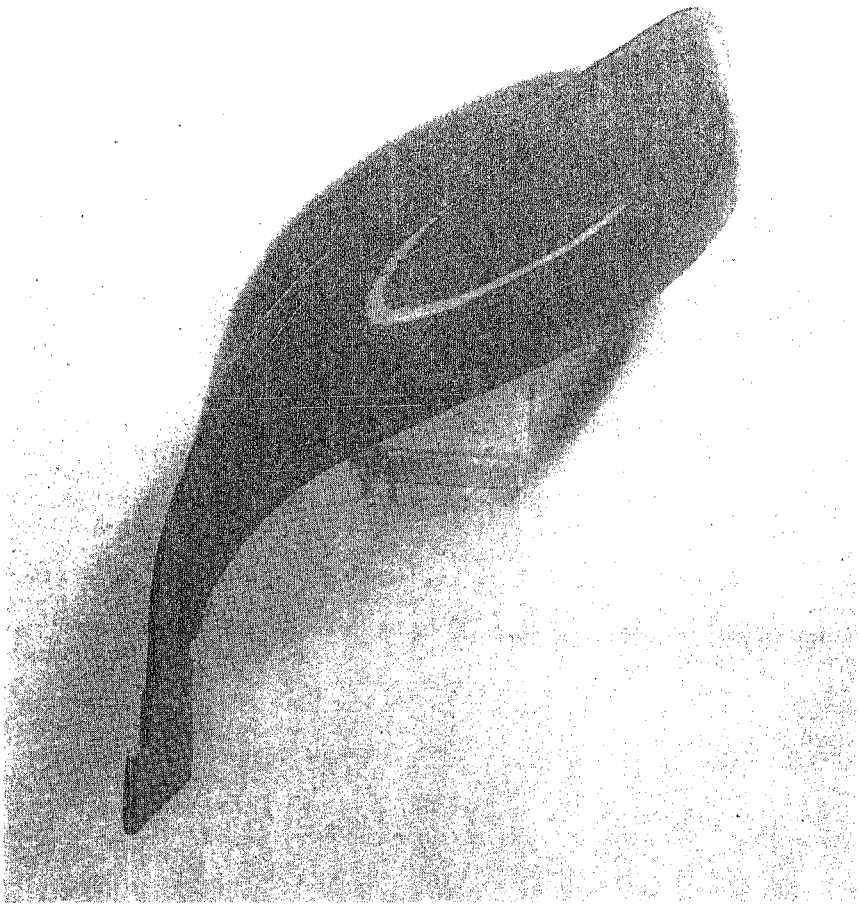
"We can make almost anything with this program," he says expansively, waving his hand at a "museum" of objects crafted by a unique automatic machining process developed by Duncan and other UBC researchers. There was a model of a Viking ship, a human foot, a water jug, an automobile tail light, the heel of a shoe, complete with the manufacturer's trademark and tread design — carved from wood or plastic by a sculptor not of flesh but of hardened steel and inspired not by the Muse but by computer punch cards.

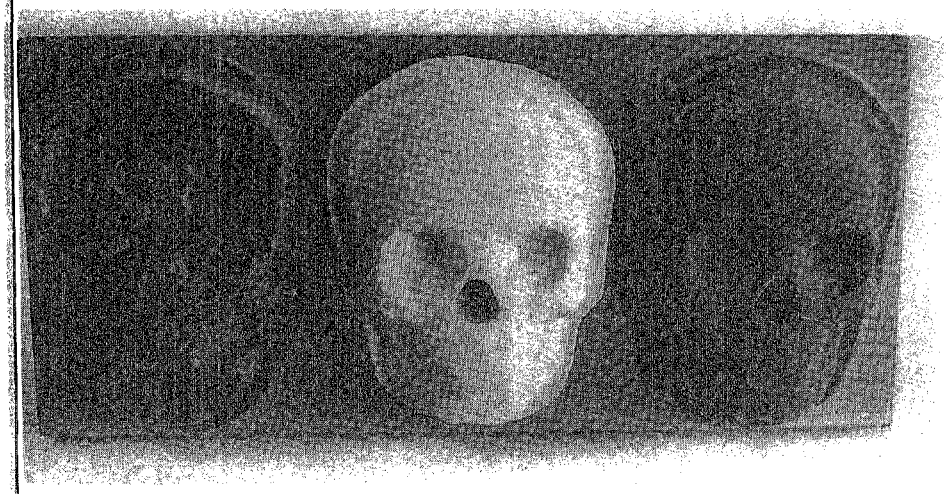
Computer-guided machining is a growth industry these days as companies seek economic ways to speed production. The UBC technique, called Polyhedral (PM), is especially exciting because of its ability to reproduce very complex surfaces and to accept virtually any kind of input — even artists' sketches — as a starting point, Duncan said in an interview.

The most recent application of the method has been the making of cosmetically pleasing and anatomically accurate artificial limbs. The project, a collaboration between the faculties of engineering and medicine, has been supported by the Workers' Compensation Board, which would like to find ways of reducing the costs — typically $600 to $700 — of fashioning such limbs by hand. Duncan, a professor of mechanical engineering who steps down after 12 years as head of the department at the end of June, his colleague Geoff Vickers, James Foort, director of prosthetics and orthotics research in the division of orthopedics and Frank P. Patterson, head of the department of surgery, cooperated in the project, in which a young woman who had lost her leg below the knee was fitted with a prothesis closely matching the original.

The first step was to take Moire photographs of her sound leg. The photos exploit so-called Moire patterns, seen when two regular arrays of lines or dots overlap. Most people have seen Moire

*The computer machining process starts with Moire photographs of the subject (in this case, laboratory technician David Camp, on the opposite page). The information derived from the resulting pattern, much like a contour map, is converted by the computer to punch tape, which when used in a numerically-controlled milling machine, like the one James Duncan is operating, above, will produce a mirror image of the original subject.*





*Two exhibits from the "museum" of machined objects: A sleek model of a Viking ship hull and three foam skulls, illustrating the advance in milling techniques. On the left, coarse cutting on the forehead, finer work on the chin; carving is finished on the right; the addition of some sanding and paint produced the middle one.*

stripes produced by a window screen overlapping either another screen or its own shadow, and editors are familiar with the patterns of blobs or stripes that appear when they attempt to reprint pictures clipped from another magazine — the result of interference between patterns of dots generated in the printing process

In the UBC machine the limb to be photographed is supported under a fine grid of wires and lit and viewed, from above. Where the wires cross the shadows of wires, the eye (or camera) sees a dark spring. The total effect is like a contour map, with the hills and valleys of the body defined by concentric ovals of light and dark. The patterns are, in fact, contour maps, although the elevations cannot be read off as simply as with a standard map.

A computer makes short work of the complications, however. A few seconds and stored in the computer memory are thousands of numbers representing a mesh of points on the surface of the limb.

The team took photographs of the woman's leg from three directions, 120 degrees apart. Another bit of computer magic — it involved only changing the sign of every third number in the memory and the stored image became that of a matching, mirror-image leg.

The real magic, however, is in the computer program which is the heart of the numerically controlled machining process. It directs the motions of the spinning machining tool which will cut away material to make the final reproduction.

Developed by Duncan and Sue Mair, now in the computer sciences department, the program joins up the thousands of stored points in threes, to form triangular faces. The surface — in the computer's mind — takes the form of a many-faceted polished gem.

Then a plan of attack is prepared: First a large tool — perhaps two inches in diameter — will be guided over the work. It will be lowered so it just touches a facet and then withdrawn and moved sideways and lowered again, and so on. The large tool works on the most exposed facets; smaller ones are used later to get into tighter and tighter corners.

"Suppose I want to machine your face," explained Duncan. "If I have a large tool and I'm down in your eyesocket touching a surface on your eyeball, then I'll gouge out your eyebrow."

The method directs a "cascade of tools" of ever-decreasing size, he said. Once, a dentist's burr was used, when replicas of teeth were being made for the U.S. School of Medicine and Dentistry. In major industrial applications the tools would be changed automatically, but at UBC that work is done by hand. There are two numerically controlled milling machines in Duncan's lab, off-the-shelf models that cost a piddling $20,000 or so and normally used for various sorts of repetitive machining work.

Punched tape carrying detailed

ining instructions for the young an's artificial leg was fed into the of the two machines — the other is for teaching students numerical con- techniques. Whirring and clunking ol moved up, down, sideways, tak- ittle bites from a block of plastic . The leg emerged as if it had been all the time, encased in the block.

ter a few minutes sanding to remove tern of fine scallops left by the tool, odel was ready for Foort. He made a from it and used the cast to shape a netic rubber cover for a standard lar artificial leg. The woman has been ing it now for six months "without complaints," he said.

The experiment, said Foort, was a success, but he cautioned against immediate enthusiasm. The work, he said, took a total of about 12 hours, plus computer time; to do the same job working by hand in the usual way would have taken about 6 hours. "We've shown it can be done. What we need to do now is stop and sweeten up the technique."

He identified two points at which the process could be speeded up. The first is the point where the Moire photographs are converted into numerical computer fodder. This was done by a person manipulating a scanning device and punching computer cards; the job took several hours. Using a TV camera to record the Moire patterns instead of photographing them would allow "instant" computer analysis of the same information, he said.

The second hangup was in tailoring the socket of the artificial leg. It is not enough to make the socket so it matches precisely the shape of the patient's stump. The fit might be good, but the patient would develop pressure sores where his or her flesh was compressed between bone and socket. To make the socket "biomechanically sound", some material has to be hollowed away and some added to equalize the pressure on different parts of the stump. Vickers said he is currently working on programming techniques to allow more rapid and easy corrections of this sort.

Duncan said the impetus for development of the automatic machining methods was a request for help from the designers of the campus Triumf nuclear accelerator. The problem was how to fabricate to high precision a sharply twisted tube needed to inject particles into the machine's accelerating chamber.

In the eight years since then the National Research Council and other bodies have invested more than a quarter of a million dollars in the work. The techniques have been adopted by the National Engineering Laboratory in Scotland, the Computer-Aided Manufacturing company in the U.S. and the Caterpillar tractor company, which uses the method to machine intricately shaped tractor tread parts. Duncan said he has enjoyed trips to Japan, to Australia and several times to England explaining Polyhedral NC to interested people.

Recently there have been inquiries from a local plastic surgeon and from Vancouver General Hospital pediatric infant specialist Dr. Sydney Segal, who wants to make models of premature and sick infants to help in designing an incubator heating system.

A yacht designer is interested in making models and in using the computer techniques to smooth the design of full scale yachts. Vickers has used the automatic machining to make propellers for B.C. Research and mechanical engineer Norm Ely is working on making dies for autobody parts. An Italian company thinks it can adapt the imaging methods to the problem of determining how much beef is on a steer before slaughter.

Yet in a sense the things are only beginning to get moving. "A lot of this is people coming along and saying, 'can you do it?' and we do it," said Vickers.

The techniques are freely available, however — it has not even been possible to patent them, because no novel equipment is required and the computer program itself is not patentable. And the burgeoning of interest indicates Polyhedral NC is an idea whose time has come. □

*Tim Padmore, BA'65, (PhD, Stanford), writes on science for the Vancouver* Sun *– and occasionally for the* Chronicle.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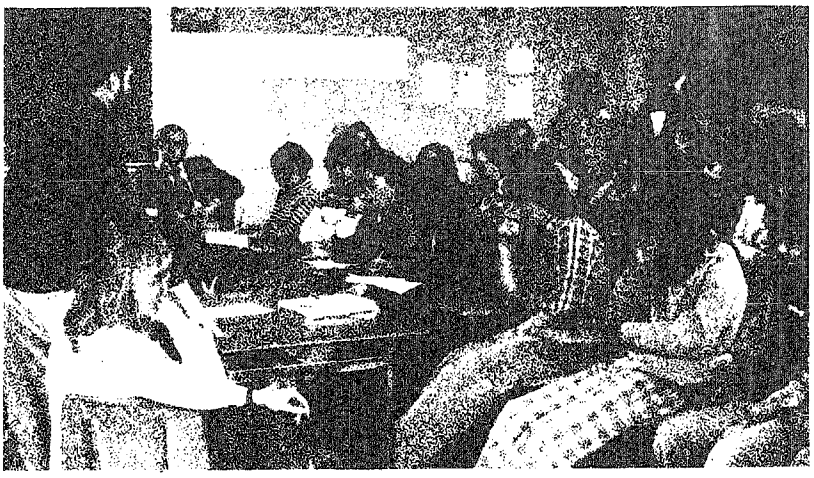
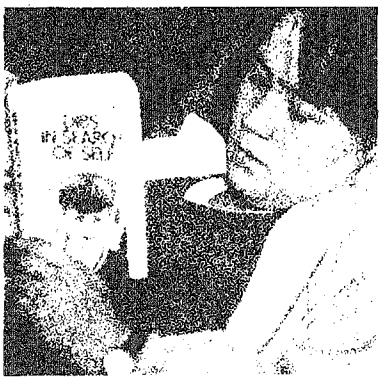




*There's time in a NITEP day: (from top, left, clockwise) for William Gogag, 2nd year and Rennie Brown, 3rd year, both from Terrace, to talk; for an alternate school student to listen to a NITEP-sponsored lecture by UBC anthropologist Mike Que; for Dede de Rose, 2nd year from Williams Lake, to read; there's time to study or let Bev Meldren, 2nd year, Williams Lake, consult with her centre coordinator, Elizabeth Robertson and time for Barb Williams, 2nd year, Williams Lake, to enjoy the friendship of NITEP. The second year students were on campus for a week this spring.*

# NITEP: Not a Red Pass, But a Red Passageway

Viveca Ohm

Simon Danes is an Indian and a poet from Hazelton, B.C. just completing his third year of teacher training at UBC. One of his course projects was researching the legends of his home. With his first book of poetry about to be published (an English teacher encouraged him to start writing six years ago, "the first time a teacher paid attention to me") Simon admits, "I'm having one of my better years."

Karen Good, mother of two school-age children, commutes by bus from Crescent Beach to her NITEP classes in North Vancouver. "If my kids were unhappy, I'd quit." But so far the regular family meetings have been supportive, and "there are many things I want to do, maybe counselling, maybe special education...."

Joan Gentles speaks and uses Chilcotin about 50 per cent of the time in her grades four to seven practica in Williams Lake. It was the language of her home: "We lived close to the reserve...used horses and wagons...travelled with my grandmother fishing and berry-picking and on the way we would have games and riddles. I use a lot of this material in class." A widow and former native court worker, Joan is involved in rendering Chilcotin into print. About to move to UBC for her third year, she admits, "My mother never understood education, never had any. She thinks I should be making a living instead for my (nine-year old) son."

Bob Thomas, a non-status Indian from Manitoba, agrees cheerfully that he looks "more like an Italian," but that the initial friction between status and non-status students*, with the former assuming a better-than-you stance, soon dissolved into mutual support. Something of an activist in the UBC group, Thomas is vocal about his ideas for improvement but freely admits, "I loved the practicums, they're the best part of NITEP."

NITEP. Native Indian Teacher Education Program. Thriving if barely-known child of the faculty of education. Though billed as an alternate program, NITEP, according to its staff members, is not really alternate at all — it is the same as the regular four-year degree program in primary education except that the order is reversed, with the native students doing the bulk of their practicum teaching in the first two years, leaving the theoretical courses till the last two, and except for the addition of two Indian studies courses to the regular curriculum. And, they sternly point out, no way is NITEP easier or any less rigorous than the regular program — no "red pass" here.

And yet, if not a red pass, certainly a "red passageway" had to be created to take care of the shortage of native teachers in the province. In 1974 B.C. had 23 native teachers — out of a total of 23,000 certified teachers. With natives making up 20 per cent of the population (and an alarmingly high drop-out record in the school system), a proportionate representation in the teaching force would have been over a thousand.

NITEP is not the only Indian teacher program — in fact Western Canada alone has almost a dozen — but it has been judged one of the best. NITEP functions like a small solar system with UBC the central sun surrounded by satellite field centres in Terrace, Kamloops, Williams Lake, North Vancouver and the Fraser Valley. In these centres students spend their first two years, practice teaching at local schools, instructed partly by flying UBC professors and partly by ubiquitous coordinators, before moving on to campus in the third year.

A comprehensive report by the Department of Indian Affairs in 1977 found NITEP's greatest success lay in creating a program-as-community. That's tough to do. On one level, you're setting up programs in distant parts of B.C. where community support in terms of facilities and goodwill is paramount. On another, the students themselves and their coordinators and instructors have to form a nurturing mini-community if they are to succeed. Lastly, the link with the mother institution, UBC, has to be strong enough to provide lifeblood and discipline, yet flexible enough for the needs of various communities and individuals.

Given its apparently workable organization, the remarkable thing about NITEP is not its success, but the amount of opposition it ran into at its inception. The chapter of the D.I.A. report dealing with background reads like a suspense novel in which the intrepid hero and his sidekicks barge and finagle their way past immovable bureaucrats. Tentative proposals for Indian education had already been ignored or resisted by the provincial government and various university departments as racist or irrelevant, when education dean John Andrews launched another attempt in 1973. He was aided by the B.C. Native Indian Teachers' Association (BCNITA) and Dr. Art More, born on the Kispiox reserve near Hazelton and involved for years in Indian education. The final thrust came when Andrews bypassed sundry cumbersome — and indignant — decision-making levels and won direct approval from the senate in

** A status Indian is one who is entitled to be registered as an Indian under the present Indian Act. His or her children inherit this registration number and the attendant native privileges. Status can be lost by requested "enfranchisement" or by marriage to a non-Indian male.*

time to implement NITEP in the fall of '74.

For the four years since, Art More has been program supervisor, and BCNITA has provided a link with native leadership through the advisory committee which also includes two students. How much clout the advisory committee has when it comes to university policy is debatable, however, and More admits there is a problem. "The temptation to consult the advisory committee *after* a decision has been made rather than *before* must be religiously avoided."

And the program itself? More was on sabbatical in Australia at the time of this article (but responded to questions by mail), but acting supervisor Thelma Sharp Cook is optimistic. "By next fall, we expect 18 native people out working in the school system; that's more than double the present number." Cook (or Dr. Sharp-Cookie, as some students affectionately call her) sums it up thus: "All 120 students employed in the school system wouldn't equalize the proportion of Indians to whites in the schools, but there now exists an army of professional native people to serve as role models — both for native adults and schoolchildren. The results will be in the nature of spin-offs and attitude changes."

"To be a middle-class Indian takes a lot of time," Austin Sterling of Merritt laconically observes. Which is another way of saying a NITEP student's path is fraught with problems. The biggest of these is usually financial. While status Indians have tuition, books, and a basic living allowance paid for by the D.I.A., non-status Indians face the endless scrabble for student loans, bursaries, all-but-disappearing summer jobs — the same as regular education students, except the NITEPpers are often older and have families to support as well. NITEP students are accepted in two categories: regular high school graduates, and mature students with special qualifications.

Adjustment is another problem few sail through unscathed. Adjustment to being a university student after perhaps years out of school, to the work load and discipline, to the campus, to the urban pace of Vancouver. Add to that the home support other students take for granted is not always forthcoming to native students, whose families don't necessarily see higher education as an unquestionable good. Being called a "red apple" (red on the outside, white on the inside) is by no means a unique experience, nor the worst.

On a sunny day when the mountains that ring the Fraser Valley stand crisp against the sky and Baker rises from its low cloud wrappings, I pull into the Coqualeetza complex. A rather institutional looking bunch of buildings set in 58 acres, the complex resembles a hospital, which is what it used to be. After much federal government wrangling, it now houses an army training centre, an extensive Indian cultural centre, some independent native craft groups, and — in a large converted barn — the NITEP field centre.

Val Friesen, the coordinator, feels the location is ideal. "We're near enough to Vancouver that students can drive in to UBC if they want to use the library or resources there. Yet we're out in the country," he gestures toward the old orchard, "we have plenty of space, great support from the community and a very close relationship right here with the cultural centre. And the fact we're "on Indian land" makes it more like home for the students...."

The NITEP centre here has only been in operation since September '77 and the students are all in first year. This morning they are at an English 100 tutorial at the nearby Fraser Valley Community College ("A lot of them were having trouble relating to Greek drama and Shakespeare, not having the background," Val explains, "so we arranged a special session.") Only Mel Tait, who has already had English 100, is sitting around the sun-streaked room talking with the coordinator. Of the 11 students, Mel is the only male ("I'm in my glory") and the oldest at 33. The youngest, 18, is the only one direct from high school. Less than half the students are from the Fraser Valley area, coming from as far away as the Charlottes and Bella Bella.

Mel, a soft-spoken Tsimshian from the Port Simpson band, is a carver, has worked at odd jobs in Vancouver, Terrace and Prince Rupert, gone to UBC and Langara, taught alternate school and been involved in native politics. He was eligible for the regular education program but chose NITEP. "I have a lot of Indian teacher friends. This one friend...from Rupert, all she talked about was NITEP."

"I really enjoy the (field centre) concept. We have a better relationship with the instructors. I have some identity here,

## Things Have Changed...

One of the star NITEP graduates and the first to complete her B.Ed., Caroline Bugge works in a Vancouver alternate school housed in a church on Hastings and Gore. If the neighborhood leaves much to be desired, the church is modern and spacious and Caroline enjoys her domain on the upper floor. A poster of Poundmaker of the Cree Nation warns, "We all know the story of the man who sat beside the trail too long. Then it grew over and he couldn't find his way back."

Outside it is raining. A drunk stumbles on the curb and gets up. Inside a handful of teen-agers lingering after school, talk like teen-agers anywhere about who is going out with whom. There are 23 — all native but one — in full-time attendance, kids who for a variety of reasons can't cope with regular classroom structure.

At the alternate school, they take a more varied curriculum, largely designed by Caroline and one other teacher, that includes math and English, lots of reading, discussion, physical education, astronomy (astronomy? "They're very interested and we've been to the Planetarium on trips.") life skills (like filling out application forms, social insurance numbers, vocational schools), native studies ("We're doing Kwakiutl food now; we also interviewed natives on the street and did a survey of where they came from.")

"I did my practicum here," says Caroline. "Yes, it's harder, but it's more flexible, more challenging (than a regular classroom)."

A large, soft-spoken woman with a 14-year old daughter, Caroline made the break from the Queen Charlottes and "a sour marriage" to join NITEP at its outset and get serious about teaching. While managing a motel in Masset ("I didn't want to do that for the rest of my life") she substituted at the local elementary school and discovered she loved grade two.

The way back to Vancouver was long but not unfamiliar. A Saultaux from Manitoba originally, Caroline had moved to Vancouver as a girl in time to attend Burnaby South senior secondary school and take two years at UBC. "But I failed German 200, so I thought Bleah, to hell with it, I don't have enough money anyway."

Much later, calling the admissions number at UBC (which was busy) Caroline who "always reads the phone book," happened to see the Indian Resources Centre. "I thought my God, things have changed. When I was there, there were three Indians at UBC. So I called." And found out that NITEP was about to be launched.

Native kids do find it easier to talk to a native teacher, Caroline maintains and admits that many of her own students have prejudices against non-Indians. "You need to base the curriculum on (the native child's) background...children learn through their senses and you've got to work with what's in their background. There are books like that for younger children, in which grandmother and child go berry-picking, or grandma shoots a bear or does all the canning...you can teach the same skills and concepts through stories they can relate to."

it draws out my Indian-ness...I spend a lot of time at the Cultural Centre, I have access to their library and audio-visual materials, I can talk with the elders. I'm learning about an Indian culture different from my own, I lived on the coast — that's the only thing I miss here. I can relax with the elders here, I don't have to use my one-upmanship (he explains this as what happens when he talks politics with white people).

"A lot of my people think of me as an educated white Indian...but there's a trend toward getting Indian expertise back to the reserve level...If I didn't have an education, I'd end up with more menial jobs. I've had menial jobs, they're no fun."

Like most NITEP students, Mel can see himself returning to his own area to teach. "I think I owe my people that, it's part of my identity. I'd gear all my instruction to getting the child to a level where he's comfortable moving from the reserve to a higher school...."

Despite its closeness to UBC, Coqualeetza functions, like other field centres, on the "block system", which means those courses taught by visiting UBC staff are compressed into three to five day stretches of five hours a day. A *lot* of work, students agree, but there are advantages. And George Mann, NITEP's administrative assistant who also teaches science at Terrace and Williams Lake, loves it. "The one-to-one contact with students...the amount of ground covered and the continuity...(make it) better than teaching on campus."

Coqualeetza is unique in its proximity to a native cultural centre. Today lunch is provided in an adjacent building where the elders of the area are having their weekly meeting. As work progresses on a 10-unit curriculum on the Upper Stalo people to be used in local schools, the elders are asked for details and reminiscenses. Jo-ann Archibald, a native teacher and Indian education coordinator, hands out drawings to be checked for accuracy and asks, "Did the people gather in the pit-house or the longhouse for the winter feast?"

Val Friesen is a familiar face here. Before becoming NITEP coordinator, he spent several years working with the Coqualeetza Cultural Centre. His varied background exemplifies what is looked for in hiring coordinators: successful teachers, experience in working with natives. A UBC graduate, Val has taught in his hometown of Oliver and Prince Rupert, worked on an Okanagan reserve, been a counsellor with Indian Affairs in the Yukon and Vancouver, developed a "bridging program" to help natives adjust to life in the city ("NITEP is also a bridging program") and taught at the Fraser Valley College.

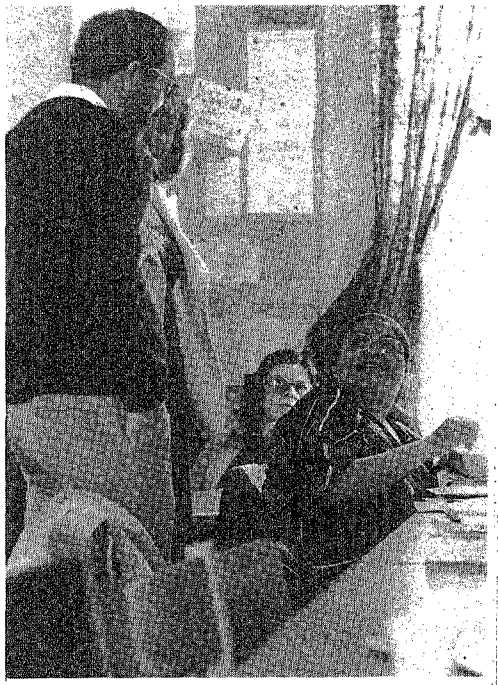
As coordinator, he is responsible for the Indian studies part of the curriculum. For this he uses a text on Upper Stalo tribes

## Respect My Child

**He is not accustomed to having to ask permission to do the ordinary things that are part of everyday life. He is seldom forbidden to do anything. Usually the consequences of an action are explained to him and he is allowed to decide for himself whether or not to act. His entire existence since he has been old enough to see and hear has been an experimental learning situation, arranged to provide him with the opportunity to develop his skills and confidence in his own capacities.**

**Didactic teaching will be an alien experience for him.**

*From a native mother's plea to a teacher (reprinted from the Northian Newsletter).*



*Books, coffee cups and consultation.... George Mann and an almost hidden, Thelma Cook combine to find an answer for Margaret Hobbing, 2nd year from Kamloops, seated at the table. In the background is 3rd year education student Margaret Wood from Terrace.... (Below) At the NITEP centre at Coqualeetza coordinator Val Friesen chats with Mel Tait.*

Viveca Ohm

specifically, and a more general one on Indians of B.C. He uses resource people, particularly from the Cultural Centre, as much as possible and invites guests like Philip Hall, head of the education division of the Union of B.C. Indian Chiefs. Students share skills they may have, such as carving, weaving, or beadwork and there are field trips to museums.

For all that, Friesen admits, "people have ambivalent feelings about Indian studies, they're not sure what they're supposed to do...." And because of its flexibility, it is more often changed or moved around than other courses.

In direct contrast to the successful Coqualeetza Centre, the new Campbell River Centre which opened at the same time, had shut down by Christmas. NITEP staff blame faulty planning, inadequate facilities, insufficient demand and only reluctantly touch on the situation of rivalry between two Kwakiutl groups of the north end of Vancouver Island. Yet the fact is that while students themselves have little but enthusiasm for contact with other native groups and customs, the politics of the native community can sometimes present delicate barriers. Terrace coordinator Dave Walker admits he avoids using local resource people because "the Gitksan and the Nishga don't always get along."

The coordinator's job is a many-hatted one that spills over any attempted boundaries. In addition to teaching Indian studies and supervising resources, workshops, practica, the coordinator literally holds the group together. He or she is advisor, counsellor, evaluator of work, reminder of due dates, friend in need. The '77 D.I.A. report observes, "Instructors can be good or indifferent and the program will survive, but the centre coordinators *must* be no less than good if the program is to flourish." North Vancouver coordinator Don McDonald calls it "one of the most challenging jobs I know — the most frustrating and rewarding." Like many of his fellows, McDonald performs a variety of extra services, like getting information on housing, transport, personal needs, on the premise that "my main concern is their work and studies. Why hang a person up with things you and I take for granted, like getting around the city? Besides, the students do things for me too...."

Coordinators sometimes find it hard to balance the supportive with the authority role. The feeling is often that "we know almost too much about students — finances, marital scene, family." The emotional involvement is intense. For this reason coordinators, who are hired by the university on a one-year contract which can be renewed for a second year, consider a two-year commitment to be the optimum stint. Two exceptions are the senior coordinators in Terrace and Williams Lake, both of whom have lasted the entire four years before being "burned out." Both are leaving this summer, speaking mistily of the NITEP group as "family." However, Art More is concerned that continuing fiscal pressure on the university "could result in coordinators not being appointed for a second year. Or worse, we may soon be required to use existing university staff with long-term contracts. This could destroy NITEP. Teachers *from* local communities *in* local communities are the lifeblood of our teaching program."

Field centre locations are chosen with as much care as the coordinators. The link with a good community college is important (branches will not do, says Dr. Cook), as is a large enough public school system for practica and reliable air transportation for visiting faculty. Mid-size towns generally fulfil these criteria; there must also be a demand for the NITEP program. Terrace is typical of a solidly established centre, with spacious classroom facilities at the Northwest Community College and a steady flow of students from the Skeena-Prince Rupert-Queen Charlottes area. As in most centres, a collegiate atmosphere pervades, with students and instructors frequently attending meetings of Indian groups throughout B.C. A special Terrace feature is the healthy relationship with the native-run Nishga school district and its former principal, Bert McKay, a founding member of BCNITA, who is an influential voice on the NITEP advisory committee.

Has the program grown? Everyone says it has. And yet if one looks for growth in terms of swelling enrolment and the mushrooming of new field centres, it is not so. The number of new recruits each year seems to stay the same or in some cases drop. New centres open only to be balanced by others closing. The Williams Lake Centre is closing down this summer, having come to the end of its student demand after four years. "All the students who wanted to enrol have," explains Cook. "But we may open a centre in Prince George. It's a natural gathering place for natives from the North."

Thelma Cook admits the recruiting methods may not be all they could be and if the money were available she would like to see it spent on a thorough publicity campaign. At present, brochures are sent to the band councils and staff members spend late spring months travelling about spreading information, but the biggest factor seems to be the student-home grapevine. Which may explain why the tiny and comparatively remote village of Kitwancool has no less than three students in the program, while other parts of B.C. are not represented at all.

Next year will see half the NITEP students on campus for their last two years. For the other half, roughly 60, there will be three first-year and two second-year groups at various field centres and a program coordinator in the person of George Mann providing closer assistance and liaison with the centre coordinators. Thelma Cook remains NITEP supervisor with the returning Art More becoming supervisor of Indian education, responsible for strengthening and developing curriculum on a broader scale.

Is the NITEP program reverse racism? "Yes, but it's necessary," says campus coordinator Dave Kos, adding, "This is the most practical, realistic program I've been involved in...."

Most NITEP students firmly believe — often from their own less-than-positive experience — that only a native teacher can understand a native child and his traditionally different approach to learning. With native teachers as role models, they feel Indian children would respond more positively than they have so far in a white system. Yet NITEP emphasis is not on turning out native teachers for native kids, but on educating more native professionals who can teach anywhere in the school system. Art More maintains, "Use of off-campus centres coupled with the movement of basic professional courses from the final year to the first two years results in a superior method of training teachers — Indian or non-Indian."

In any event, the group support and group dynamics of the NITEP way certainly make the path of the lone and free-floating student among thousands on campus seem lonelier than ever.... □

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*Many of those associated with NITEP are UBC grads: Jo-ann Kelly Archibald, BEd'72; Caroline Bugge, BEd'77; Thelma Sharp Cook, BEd'58; Val Friesen, BA'54; George Mann, BEd'70; Art More, BSc'52 and David Walker, BEd'72. Author, Viveca Ohm, BA'69, is a frequent contributor to the* Chronicle.

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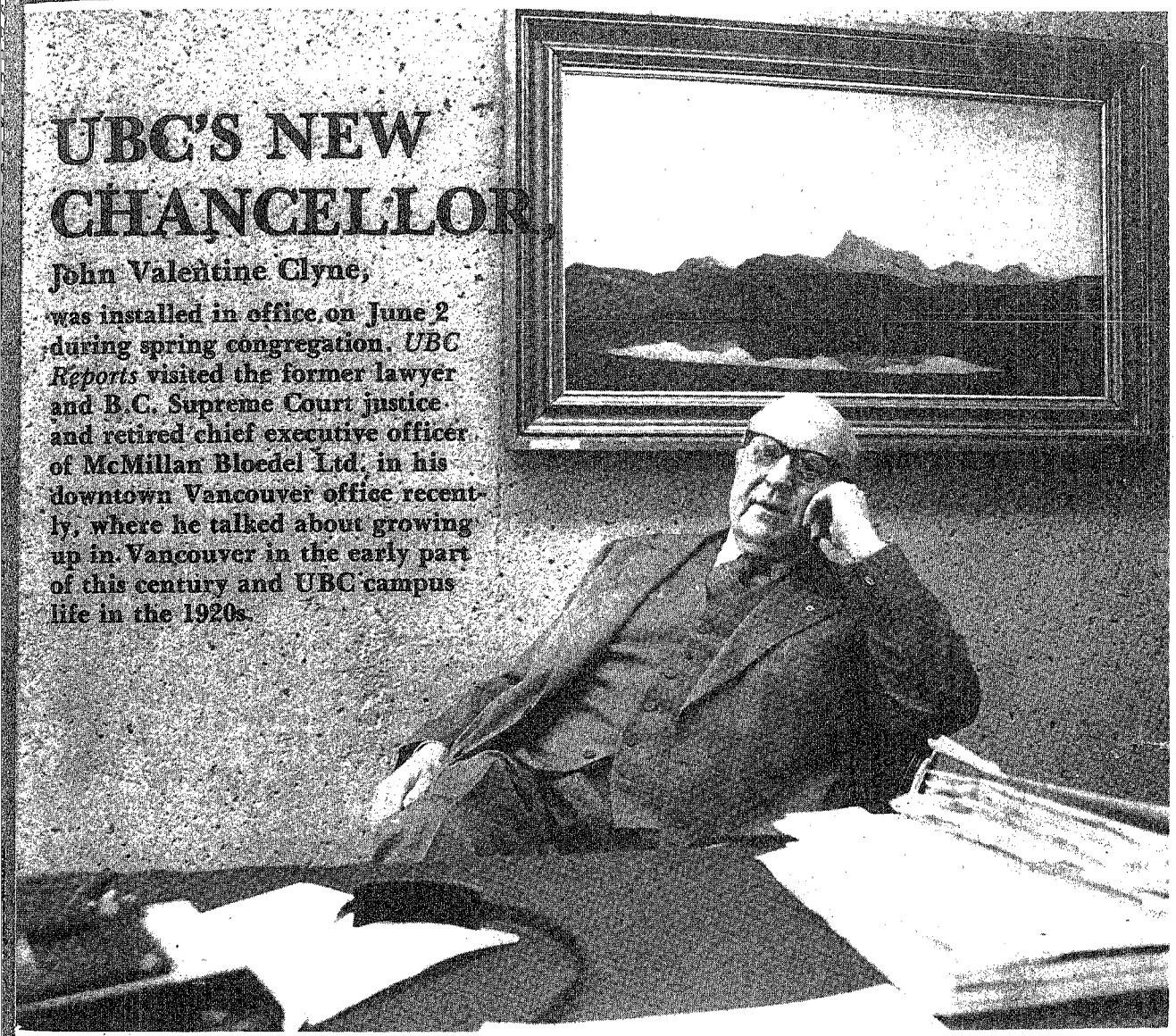
# ubc reports



## UBC'S NEW CHANCELLOR,

**John Valentine Clyne,** was installed in office on June 2 during spring congregation. *UBC Reports* visited the former lawyer and B.C. Supreme Court justice and retired chief executive officer of McMillan Bloedel Ltd. in his downtown Vancouver office recently, where he talked about growing up in Vancouver in the early part of this century and UBC campus life in the 1920s.

**BIRTH**

**CLYNE - On the 14th February, at 1537 Robson St., the wife of Henry Clyne, of a son. — Classified advertisement in *The Daily News-Advertiser*, Vancouver, Feb. 15, 1902.**

Mr. Clyne: I was born in Vancouver in 1902 at 1537 Robson Street. My father was born in Scotland and attended the University of Aberdeen, but he didn't stay long enough to get a degree.

He was a bit of a wanderer, an adventurer. He tried the army after leaving university, but that didn't suit him so he went out to India as a tea planter. He stayed there a few years and then went to California, where he met and married my mother.

He was on his way back to Scotland when he came to Vancouver in 1894 and was persuaded to stay by the two Bell-Irving brothers, who had known our family in Scotland. My father went to work for the Bell-Irvings and became manager of their firm which conducted a general financial business in Vancouver and also operated a group of fish canneries along the coast.

My father wasn't the first Clyne to set foot on Canadian soil. My great grandfather commanded a contingent of the Royal Scots that fought in the war of 1812 between Canada and the U.S. But he didn't stay in Canada; he went home and later fought in the Battle of Waterloo. My grandfather was a lawyer in Aberdeen.

I was born on St. Valentine's Day, which accounts for my middle name. As you can imagine, the name caused me a good deal of trouble over the years, particularly in my school days.

My father died when I was two years old. I went to school at Lord Roberts in the West End and then we moved to the Mount Pleasant area of Vancouver, where I

Continued on Page Two

## UBC's New Chancellor

Continued from Page One

completed my elementary schooling before going to old King Edward high school at 12th and Oak.

UBC was right across the street, of course, housed in the "Fairview Shacks," as they came to be called, on the grounds of the Vancouver General Hospital. I remember UBC's first president, Dr. Frank Wesbrook, coming over to the high school to talk about the University.

I entered UBC in 1919, a year later than I should have. During high school I caught a chill playing rugby and it turned into rheumatic fever. I spent a couple of months in hospital and a couple more at home in bed. A friend of the family, who owned a ranch in the Cariboo, suggested I go there to recuperate. I threw away the special diet I was on, started riding horses, and recovered completely.

The following year, between UBC sessions, I went back to the ranch and spent the summer as a cowboy. I was paid $30 a month and all found, plus $5 for every horse I broke. You were given your own string of horses and you had to break them for saddle, halter and stable. You got the $5 only when the full job was done. I also worked in the summer while I was going to University in a gold mine in the Interior and in a sawmill on the coast.

UBC was a very exciting place for us. Many of the students had just returned from the First World War and that brought maturity to the campus. Certainly it stood us in good stead during the campaign of 1922 and 1923 when we sought public support to persuade the government to complete the University at Point Grey. It wasn't called the Great Trek in those days — that came later.

Oh yes, the class of '23 really did have the feeling that it was something special. We had a large number of very bright individuals in the class and we were active in every one of UBC's activities — sports, clubs, the theatre, debating, *The Ubyssey*.

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**"Superlative in numbers, Arts '23 is superlative in many other ways. We have distinguished ourselves in almost every activity of the college;....We owe much of our initiative and progressiveness to the large number of returned men, that forms so salient a feature of our year." — From the Arts '23 section of the fifth (1919-20) *Annual of the University of British Columbia.***

**"Thus, it is plain to see that Arts '23 is *the* class of the University. Everything to which the talented sophs. have turned their attention, individually or collectively, has been a glorious success; and we look forward to the future with cheerful hearts and happy confidence." — From the sixth (1920-21) UBC *Annual.***

**"Puzzle. — Find an executive in the University that has not at least one member of Arts '23." — From the sixth UBC *Annual.***

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I have vivid memories of the professors who taught us in those days. I think one of the things that contributed to the vitality of the place was the fact that it was a young university with a young and enthusiastic faculty.

Garnett Sedgewick was a brilliant English teacher and I took a lot of courses from him. Freddy Wood, of course, founded the Players' Club and I was deeply involved in that. And I was a member of the Letters Club, which was begun by Thorlief — we called him Tuli — Lars. There were also other very able professors — Ted Boggs and Henry Angus, who taught me economics.

I think the only professor who was ever thoroug disgusted with me was Lemmy Robertson, who tau classics in those days. He was very disappointed I did take Latin in my final year. He thought I sho specialize in classics and told me he'd guarantee me a at some university if I did.

But I'd decided while I was in high school tha wanted to study law, perhaps because the profession in the family. After graduating from UBC I went King's College and the London School of Economi where I specialized in admiralty law.

The student-teacher relationship at UBC was very cl in those days. We were formal enough in class, of cour but outside there was a real atmosphere of friendshi Professors opened their houses to students and we visit them regularly.

Certainly one of the things that contributed closeness was the size of the University. When I entered 1919 there couldn't have been more than 900 studen enrolled. It was possible to know almost everyone.

Apart from our studies, there were plenty of diversio — class parties, faculty balls, that sort of thing. A almost everyone played some sort of game in those da For a final match, literally the whole University wou turn out. We led very busy lives.

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**"The *big* event of the season, however, was *the* cla party, which took place on October 4. The decoratio were striking and original, thanks to Messrs. Scot Clyne and Wallace." — From the sixth (1921) UB *Annual.***

**"When there's work to be done or enthusiasm to b aroused, we always have Jack Clyne to fall back upon. — From the sixth UBC *Annual.***

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When I arrived as a freshman, it was rather expecte that the University would be built at Point Grey ne year...everyone thought it was just around the corne For a day's outing we would go out to Point Grey to loo at the skeleton of the Science Building. Work had bee halted in 1914 when the war started.

By 1922, the start of my senior year, conditions at th Fairview site were nearly intolerable. Enrolment had in creased to about 1,200 students and classes were bein held in nearby churches and other makeshift quarters Active talk of a campaign to complete UBC at Point Gre started with the election of Ab. Richards as president o the Alma Mater Society in the spring of 1922.

We got Garnett Sedgewick to help us draw up th wording of a petition to the government. It was printe and given to everyone to collect signatures. There wa room for about 25 names on each petition.

The students took them home with them in the sum mer of 1922 and when UBC reopened in September we must have had about 17,000 signatures. In October we canvassed for signatures in Vancouver so that by the time we were ready to go to Victoria in early November the petition had been signed by nearly 60,000 people.

**Jack Clyne and his future wife, Betty Somerset, were both members of the Publicity Campaign Committee, above, which planned and executed the Great Trek of 1922, which resulted in the government of the day appropriating funds to complete UBC at its present site on Point Grey. Both also had the lead roles in the spring productions of the Players' Club in 1922 and 1923. In the 1923 production of George Bernard Shaw's *You Never Can Tell*, left, Betty Somerset and Jack Clyne are the two standing figures at left.**

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**"...we commend the Student Campaign to all connected with the University. It is the greatest thing we have ever attempted: there is every reason to believe that it will be the greatest triumph we have ever experienced." — From *The Ubyssey*, Sept. 28, 1922.**

**"A meeting of the Student Campaign Committee was held at noon, Monday, September 25, under the chairmanship of Mr. J.W. (*sic*) Clyne, who has been directing the compilation of data relating to the Point Grey project. This information will be given to Mr. Ian Mackenzie, MLA, who will make representations on behalf of the University to the forthcoming Liberal Convention." — *The Ubyssey*, Sept. 28, 1922.**

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The climax of the campaign before we went to Victoria with the petition was "Varsity Week," which included The Pilgrimage — what later came to be called the Great Trek. There was a parade through downtown Vancouver with floats and banners, and then we all went to Point Grey, where we tossed stones in the hollow centre of the Cairn that stands on the Main Mall. Ab. Richards, in his speech that day, said the students were building the first unit in the permanent plans of our University.

One of the things we had organized to build support for the campaign was a press bureau that sent out a steady stream of information to newspapers throughout the province. Many business firms gave us free advertising space and window displays.

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**"Varsity Week begins October 22, and ends with the big pilgrimage to Point Grey on Saturday, October 28. Every possible effort is being expended to make this week the biggest thing that ever happened in college circles." From *The Ubyssey*, Oct. 12, 1922.**

**"Mr. J. Clyne made the following statement which is worthy of repetition: 'If you happen to be in a theatre and there is a campaign slide flashed on the screen, jump up on your seat and make a joyful noise;....'" — *The Ubyssey*, Oct. 17, 1922.**

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I was one of four members of the campaign committee that went to Victoria with the petition. The others were Ab. Richards, Percy Barr and Jack Grant. We had

**Continued on Page Four**

enlisted the aid of Ian Mackenzie, a Liberal member of the Legislature for Vancouver, who agreed to speak to our petition and present it to the House.

The members of the campaign committee came down to the dock to see us off on the overnight boat to Victoria. While we were waiting to board, it was discovered that one suitcase full of petitions was missing. Garrett Livingstone, one of those who came down to see us off, had to rush back to Fairview to get the missing suitcase.

We met Ian Mackenzie the next day before the House sat and left the petitions with him. We were in the gallery when he rose to speak. The page boys brought in the petitions, each of which had been individually rolled and tied with bits of green and gold ribbon. It was quite a dramatic moment. The Speaker's chair was practically covered with the petitions.

Then the House adjourned and we all went into one of the committee rooms where the MLAs listened to speeches by Ab. Richards and Percy Barr. Both were returned men, so it was a case of older men talking to older men. Jack Grant also spoke well.

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**PETITIONS OF UBC BURY SPEAKER — Headline in the Vancouver *Daily Province,* Nov. 8, 1922.**
**"The occasion was a unique one in the history of the province in that for the first time in many years — possibly the first time in the history of the province — the House adjourned for the purpose of hearing a delegation on any subject. Last week the student advocates waited upon the cabinet, but yesterday they were accorded the ear of the entire Legislature, irrespective of party." *Daily Province,* Nov. 8, 1922.**

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The MLAs were very interested and sympathetic and we felt satisfied that the government was going to do something.

I didn't do any speaking during the visit to Victoria. My role was one of an arranger. I remember seeing Benny Nicholas, the editor of the *Victoria Times,* who was very sympathetic to the student campaign. He had the delegation round to lunch the day after the petition was placed before the House to talk and meet some of the government people. He had been very helpful during the campaign.

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**"The University of British Columbia is to have its new buildings at Point Grey near Vancouver. This was decided on at the caucus of Government members last night, and announced at noon today by Premier (John) Oliver." — *Victoria Daily Colonist,* Nov. 8, 1922.**

**GOVERNMENT SEES THE POINT! — Punning headline in *The Ubyssey,* Nov. 9, 1922.**

**"The *Victoria Times* gave strong endorsation to the campaign, and assisted in influencing public opinion in Victoria to a gratifying extent. *The Colonist,* of a more Conservative tendency, was somewhat lukewarm in its appreciation of the Student Project but the delegation visited the editor, and after showering him with facts and figures, won an admission of the justice of the Campaign cause." *The Ubyssey,* Nov. 9, 1922.**

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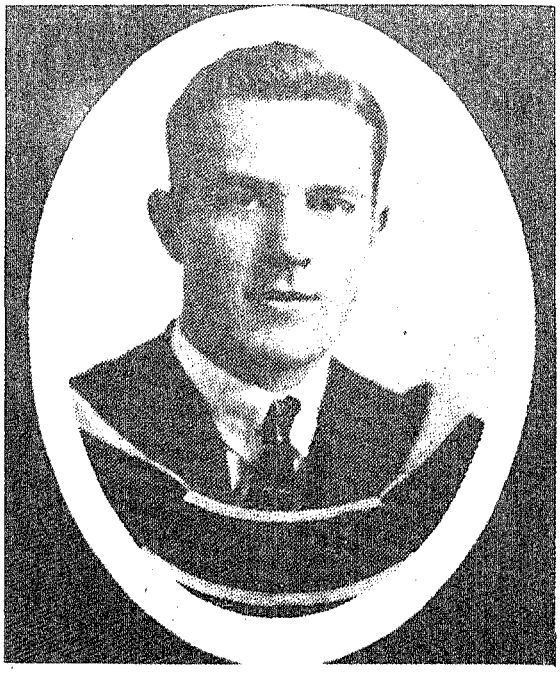

The 1923 edition of the UBC *Annual* included Jack Clyne's graduation photograph, above, and a "personal" written by one of his best friends, Norman Robertson, who was the winner of the Rhodes Scholarship that year.

Here is the full text of the personal, most of which should be taken with a grain of salt.

**"Gad, frightfully subtle"**

**Impressions: Peculiar contempt for "vulgar swine"; an out-and-out socialist; when dejected "fed up"; lazy with good intentions; a great mind, developed only to the extent of second classes; admired by some Freshettes, who, however, misunderstand him; dignified — at times; enthusiasm bubbling over, but at times inarticulate; a good pal of women, three in particular (Platonic love). Motto: "Don't let studies interfere with your education." Witness: President of the Players' Club, struggling to become the president; one of the pillars of the late Students' Campaign Committee. He has a Scotch accent, which is often mistaken for an English one. Sense of humor highly purified. Some merits deleted.**

The Players' Club ruined my rugby career at UBC. I hadn't been active in the theatre at all prior to my sophomore year. One day, a classmate — I believe it was Allan Hunter — encouraged me to sign up. There were tryouts and to my surprise I found myself a member. I didn't think I had much talent, and I still don't.

The club's spring play was eagerly looked forward to in those days. Before exams we played in the old Avenue Theatre just south of Hastings on Main Street in what was then Vancouver's theatre district. We also played in the old Orpheum Theatre. The house was always sold out.

After exams, we toured the province by train for two or three weeks. We were always very well received in the

towns in the Interior. I remember arriving once in Nelson to find that not many tickets had been sold for our performance the next day. So several of us lettered some big placards and went round the town advertising the play. We got a full house as a result.

We made money on the club's productions in those days. We weren't paid, of course, and the profits went into the club treasury for future productions.

The lead roles in the spring plays of 1922 and 1923 were taken by myself and Betty Somerset, who was also a member of the student campaign committee. We were married in 1927 after I returned to Vancouver from studying law in London.

There's a review of the 1923 spring play, Shaw's *You Never Can Tell,* in the student annual of that year that includes an obvious reference to the fact that we were seeing one another. Certainly it would be obvious to anyone who went to UBC at that time.

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**"The stormy and very entertaining love affair between Gloria (Betty Somerset) and Valentine (J.V. Clyne) was followed with great sympathy by the audience, and its happy termination gave great satisfaction to everybody.... The extreme suddenness of their passion led some wiseacres to shake their heads and say it wouldn't last, but others opined that the belief was unfounded." From the eighth (1923) UBC *Annual.***

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Norman Robertson, who won the Rhodes Scholarship in 1923 and who was one of my best friends, wrote the "personal" that appeared with my picture in the 1923 *Annual.* I think he called me "an out-and-out socialist," which was his way of being sarcastic. Today, I suppose, students would call it a put-on. (see box on Page Four.)

Norman held left-of-centre views in those days and was considered very radical. I was on the other side of the fence politically and we used to have some interesting arguments. Harry Logan, who'd come back to UBC from the army to teach classics, told me it was a toss-up as to who would get the Rhodes that year — Norman or me.

Norman, of course, went on to become one of UBC's most distinguished graduates. He became Canada's ambassador to Washington and twice was High Commissioner in London and undersecretary for external affairs.

I've often been impressed in my talks with today's students with how little their views and attitudes differ from the ones we held in the 1920s. I'm looking forward to being involved in UBC affairs again as chancellor. I hope to have a good deal of contact with students and to spend as much time on the campus as I can. For that reason, I'm trying to cut down on a number of my present activities.

If I have one message to give to students at this point it would be this: Take part in as many activities as you can while you're at UBC. I know that as students they're probably preoccupied with the burden of lectures, essays and exams. But once they've graduated I think they'll look back on their student days and realize that it was one period in their lives when they had almost unlimited freedom to do what they wanted as individuals.

I hope as chancellor that I'll have a role in making UBC a place where students can enjoy some of the best years of their lives.

# Two named to new granting councils

UBC's president, Dr. Douglas Kenny, and Prof. Michael Shaw, vice-president for academic development, have been named to new national councils to assist research and scholarship in the social sciences and humanities and the natural sciences and engineering.

President Kenny has been named to the Social Sciences and Humanities Research Council, which assumes granting functions formerly vested in the Canada Council, which is now solely concerned with grants for the performing arts.

The new Social Sciences and Humanities Research Council also has the role of advising the federal secretary of state on any research pertaining to its mandate which the minister may refer to it.

President Kenny is one of seven persons who will serve three-year terms on the new council. Thirteen other members will serve one- or two-year terms.

Prof. Shaw has been named to the new Natural Sciences and Engineering Research Council, which assumes the role of financing university research formerly vested in the National Research Council.

The Natural Sciences and Engineering Research Council has a president, Gordon McNabb, former deputy minister of the federal Department of Energy, Mines and Resources, and 21 members representing universities, industry and labor.

# New heads appointed

UBC's Board of Governors has approved the appointment of a new director for the School of Physical Education and Recreation and a new head for the Department of Mathematics.

Succeeding Prof. Robert Osborne as head of physical education and recreation will be Prof. W. Robert Morford, a Canadian citizen who is currently director of the School of Physical and Health Education at the University of Washington in Seattle.

Prof. Ben Moyls, a Vancouver native and UBC faculty member since 1947, has been named head of the Department of Mathematics, succeeding Prof. Donald Bures, who has held the post since 1973.

Both appointments are effective on July 1.

Dr. Morford was born in Malaya in 1930 and was head of UBC's 1956 graduating class for the degree of Bachelor of Physical Education. In 1959 he received his master's degree in physical education from UBC and was awarded the Doctor of Education degree in education psychology by the University of California at Berkeley in 1963.

Prof. Moyls, the new head of mathematics, was awarded the Governor-General's gold medal when he graduated from UBC in 1940 with the degree of Bachelor of Arts. The following year he received his Master of Arts degree from UBC before doing further post-graduate work at Harvard University, where he received the degree of Doctor of Philosophy in 1947.

He is considered one of UBC's finest teachers and in 1974 shared the Master Teacher Award.

Prof. Moyls has also had a variety of administrative positions at UBC as acting head of mathematics and the Institute of Applied Mathematics and Statistics. He is a former assistant dean of graduate studies and served as acting dean of that faculty in 1969.

# TRIUMF cyclotron to manufacture new

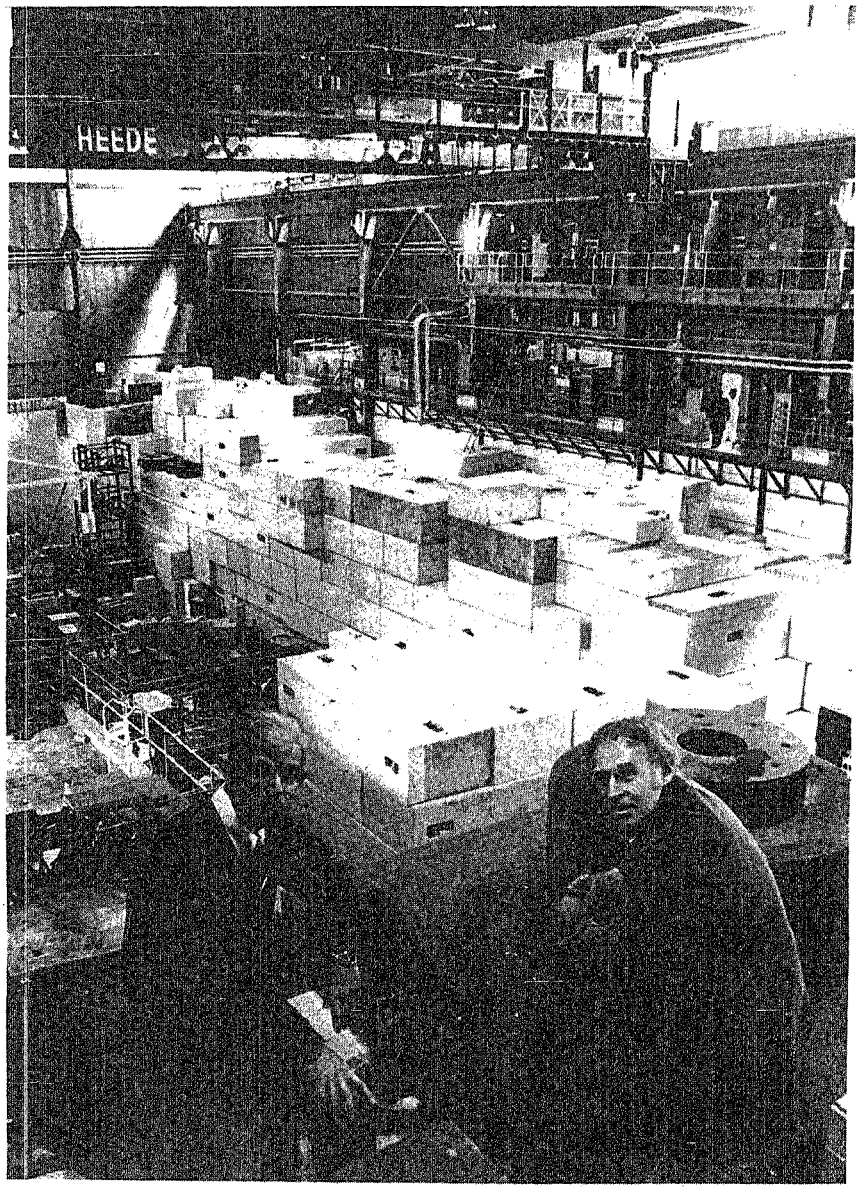
The TRIUMF cyclotron at UBC will produce radioisotopes for diagnosing diseases.

An agreement making commercial production possible has been concluded by TRIUMF's Board of Management, UBC's Board of Governors, the B.C. Development Corp., and the commercial products division of Atomic Energy of Canada.

Under the agreement TRIUMF will produce new types of isotopes for a growing multi-million-dollar international market.

The radioactivity of some of the isotopes will be short-lived, and they will be air-lifted out of Vancouver for rapid use in Canada and elsewhere.

Isotopes are different forms of an element with fewer or more neutrons than the atom normally has in its nucleus at the centre. There are many stable isotopes in nature. Man-made unstable isotopes have been used in medicine for years as tracers. They can be detected as they pass through the body and provide important information on how well organs and other parts of the body are working and whether disease is present.




**Dr. Brian Pate, left, and Joop Bergeron, senior engineer at TRIUMF, the cyclotron located on the UBC campus, are dwarfed in the immensity of the meson hall of the facility, where production of radioisotopes for use in medical diagnosis is planned. Streams of protons from the TRIUMF accelerator will pass along beam line shielded by huge concrete blocks in background and strike targets in the far corner of the building to produce radioisotopes. Picture by Jim Banham.**

After the isotope is administered to a patient, it emits gamma rays from the site in the body, and the rays are picked up by a gamma camera which produces a "scan" or photographic negative similar to an x-ray plate.

Almost all radioisotopes used in medicine today are by-products of nuclear reactors which add neutrons to the nucleus of stable atoms. TRIUMF produces isotopes with fewer neutrons than normal. An important advantage of these isotopes is that they give the patient much less radiation.

TRIUMF isn't a nuclear reactor where fission takes place to produce nuclear energy. TRIUMF works by accelerating a stream of sub-atomic protons to 800 million kilometres per hour. The particles are accelerated outward in a spiral, and so TRIUMF represents a particular family of accelerators called cyclotrons.

TRIUMF is operated by UBC, the University of Victoria, Simon Fraser University and the University of Alberta. It was built by the federal government for $36 million and is supported by the National Research Council.

Under the isotope agreement, BCDC will lend $3.5 million for construction of the building addition and for a second smaller cyclotron. Repayment of the money by UBC will be guaranteed by Atomic Energy of Canada.

Of the $3.5 million, more than $2 million is for the small cyclotron and related equipment. The main purpose of the small cyclotron will be to produce a few of the different types of new isotopes while the main cyclotron is shut down, ensuring a continuous supply.

The cost of the small cyclotron will be repaid over 10 years. The $1 million cost of the building addition will be repaid over 25 years.

After Atomic Energy of Canada has recovered its costs, revenues from

# Radioisotopes for medical diagnosis

The sale of the isotopes will be split between Atomic Energy of Canada and TRIUMF. TRIUMF's share will be in the form of research grants.

TRIUMF's isotope production will be under the direction of Prof. Brian D. Pate who joined UBC's Faculty of Pharmaceutical Sciences last year. Prof. Pate is associate director for applied science at TRIUMF.

"The agreement is a major opportunity for TRIUMF," Prof. Pate said. "It will give us the small cyclotron and other equipment necessary to produce radioisotopes, and will put us in daily contact with the scientists from Atomic Energy of Canada who will be collaborating with us. Future grants to TRIUMF from sale revenues will be a boost to our research program.

"Basically, we'll be enriched in three ways — by the expansion of our applied science program made possible through new facilities, by contact with other people's brains, and through grants which will allow us to expand our research program.

"At the same time, we will be using a publicly financed research facility in a way that is of immediate benefit to the public."

The radioisotope agreement will allow TRIUMF to explore a whole range of new isotopes, Prof. Pate said. The most important of the seven isotopes planned for production so far are thalium 201 and gallium 67. Thalium 201 is particularly useful in diagnosing heart disease.

The commercial production of radioisotopes follows medical research on radioisotopes already underway at TRIUMF.

A group representing UBC, TRIUMF and the Vancouver General Hospital is producing a new radioisotope of iodine for research by using the existing TRIUMF cyclotron.

Iodine 131 is now widely used for diagnosing and treating certain thyroid conditions. It is produced by nuclear reactors and has four more neutrons than the only stable isotope of iodine. TRIUMF produces iodine 123 which has four fewer neutrons.

Although iodine 123 gives the same diagnostic information as iodine 131, it is 100 times less damaging to normal human tissue.

Iodine 123 has a half-life of 13 hours during which it loses half of its radioactivity. It is now used for research at VGH and will also be airlifted out of Vancouver for research use in hospitals in Edmonton, Winnipeg and Toronto.

The iodine 123 project began last year under a $150,000 grant from the Department of National Health and Welfare. Members of the project are Dr. Don Lyster, assistant professor in UBC's Faculty of Pharmaceutical Sciences; Dr. Robert Morrison, head of the nuclear medicine division at VGH and associate professor of pathology in UBC's medical school; and Mr. John Vincent, a research physicist at TRIUMF.

# Economist wins top award

Prof. John Helliwell, winner of the 1959 Rhodes Scholarship and a member of the economics department at UBC since 1967, has been named the recipient of the $1,000 Prof. Jacob Biely Faculty Research Prize for 1978.

Prof. Helliwell is the tenth winner of the award, given annually to a UBC faculty member for distinguished research carried out in the previous three years. The prize was established in 1969 by Mr. and Mrs. George Biely in honor of Prof. Biely, a former UBC faculty member. Mr. Biely is the president of Biely Construction Co. and the brother of Prof. Biely.

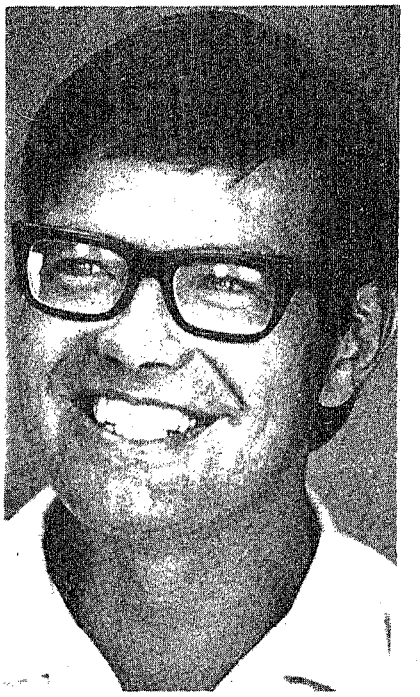
Prof. Helliwell is regarded as one of Canada's most innovative economists and a pioneer in the development of econometric models of open economies, drawing on theoretical developments in international economics.

He played a key role in the development of the RDX2 model of the Canadian economy, described as "perhaps the most sophisticated of the early econometric models of an open economy."

His work in linking the RDX2 Canadian model with the MPS model for the United States has provided considerable insight into the channels through which the two economies are linked to one another.

He has also been active in research in the economics of natural resources and has made a substantial contribution to the national debate on northern pipelines and to the issue of resource taxation. Almost all his research in recent years has been in collaboration with teams of students and colleagues.

Prof. Helliwell is also a member of a group of natural-resource economists at UBC which has received grants totalling $806,000 from the Canada Council for integrated studies on the management of the world's natural resources.



Picture by John Morris

Prof. John Helliwell

A native of Vancouver, Prof. Helliwell graduated from UBC in 1959 with the degree of Bachelor of Commerce. At Oxford University, where he was Rhodes Scholar, Prof. Helliwell earned the degrees of Bachelor of Arts and Doctor of Philosophy. He also taught economics at Oxford from 1964 to 1967.

Before joining the UBC faculty on a full-time basis, Prof. Helliwell served on the research staffs of federal royal commissions on banking and finance and taxation and was an econometric consultant to the Bank of Canada.

# UBC Botanical Garden combines

Hidden away in the south of the UBC campus, adjacent to the Thunderbird football stadium, the people of the Botanical Garden have been busy. For the past seven years they've been creating new gardens out of forest and rock.

They've imported plants from throughout the world; they've been watching over plants, carefully tending them in nurseries and greenhouses. They've been investigating soils, consulting with other specialists, engaging landscape architects and botanists. They've moved tons of earth, introduced tons of rock, created streams and trails.

On a cool April 24 this year, they unveiled to an interested group of about 350 spectators two gardens, major developments in a ten-year program that has already established UBC as a major centre of botanical research in Canada.

What the visitors that day saw was an eight-acre garden devoted to the plants of British Columbia and a two-and-a-half acre garden devoted to alpine plants of the world.

**Open forest glade was setting for dedication ceremony for eight-acre B.C. Native Garden, one of two new components of the UBC Botanical Garden opened April 24 south and west of Thunderbird Stadium on the UBC campus. Native garden is dedicated to the memory of late Prof. John Davidson, first director of UBC's Botanical Garden, who died in 1970. Nearby E.H. Lohbrunner Alpine Garden was dedicated immediately after ceremony pictured above. Lohbrunner, a noted Canadian alpine-plant expert, provided the foundation stock for the UBC garden from his Vancouver-Island nursery. Picture by Jim Banham.**

The British Columbia Native Garden, as the first been named, isn't what you would expect a garden to If someone came upon it accidentally on a summer's they probably wouldn't know they were in a garden. rounded by sky-scraping evergreens, the visitor foll bark-mulch paths through the trees and undergrowt a typical West Coast forest. Some of the plants familiar to many people; others will be familiar onl backwoods hikers with keen eyes. Only the identificat signs and the clear pathways give away the fact that the visitor is seeing is carefully planned.

And that's just what Dr. Roy Taylor, director of Botanical Garden, had in mind when the garden planned. He didn't want the native plants of British lumbia to be carefully lined up in a bed of color. wanted people to come upon them in their natural st and be aware of the special qualities of plants wouldn't think of having in our domestic flower gard — or at least, wouldn't have thought of including in gardens before coming to UBC.

The B.C. Native Garden contains more than 1,300, about one-third, of the seed and flowering plants nat to British Columbia. It also includes mosses, lichens a mushrooms. About 15,000 individual plants have be planted in the garden, in among the tall hemlock a Douglas fir trees which have stood in the south camp for hundreds of years.

One part of the eight-acre garden has been made int drylands area, similar to the area around Kamloo Cache Creek. Dryland interior plants have been tra planted here, making an interesting contrast to a ma area carefully created at the other end of the Nati Garden. A nearby raised peat bed forms another spec habitat for plants. Each of the trails throughout garden is named for pioneer workers in botany in B.C

## Centre is outdoor classroom

In keeping with the fact that this garden, like all t other parts of the 110-acre Botanical Garden at UBC, intended not only for the casual visitor to enjoy, but als for teaching and research purposes, an interpretati centre has been built in the middle of the Native Garde The centre provides a shelter from the rain and an ou door classroom where students can gather to discus aspects of our outdoor environment.

The B.C. Native Garden was dedicated at the gather ing on that special day in April to the memory of Joh Davidson, a pioneer B.C. botanist and the first directo of the UBC Botanical Garden.

As the April gathering emerged from the cover of th Native Garden, they were greeted by an international co lection of alpine plants, their smallness emphasized b the sharp contrast with the B.C. natives.

Here too in this two-and-a-half acre garden, the peopl of the Botanical Garden have created trails so that visitor can get close to these delicate plants. Even people confin ed to wheelchairs are welcome here, for the Botanica Garden, along with the UBC Department of BioResourc Engineering in the Faculty of Agricultural Sciences, ha created a metal handle which attaches to wheelchairs

# hing, research and public service

owing them to be pulled along the pathways with ease.

The foundation plants of the Alpine Garden were the ork of Mr. E.H. Lohbrunner of Victoria and so the rden was named the E.H. Lohbrunner Alpine Garden his honor. For years, Mr. Lohbrunner and his wife pro-ced rare and unusual alpine plants in their nursery d, in 1972, UBC purchased their entire nursery stock r incorporation into the Alpine Garden.

The UBC Alpine Garden is now the newest and largest rden in North America devoted to alpine and scree ants of the world. More than 2,200 tons of pyroxine desite of volcanic origin together with several outcrops tuffa — a light, friable limestone — gathered from the C. Interior form the base of the garden.

The tiny alpine plants seem to cling tenaciously to the cks, just as they would in their native habitats. More an 12,000 plants are found in the garden.

## Garden club aids collection

And not all of the plants are from the Lohbrunner rsery. For several years before the official opening, embers of the Alpine Garden Club of B.C. had been opogating plant materials for eventual incorporation to the garden.

The guests at the opening of these two Botanical arden components also had a glimpse at the future of BC's garden developments. Adjacent to the Alpine arden, work continues on the Entrance Garden, the ntemporary Display Garden, the Physic Garden for edicinal and pharmaceutical plants and the Arbor arden designed for the display of climbers and twiners.

The development of the south campus gardens, which e people of the Botanical Garden refer to as the "Main Garden," is really part of a massive 10-year plan which began in 1971. Eventually the Main Garden will be as familiar to campus visitors as those familiar north campus Botanical Garden features — the Rose Garden, the Nitobe Memorial Garden (perhaps more commonly known as the Japanese Garden) and the famed rhododendron collection.

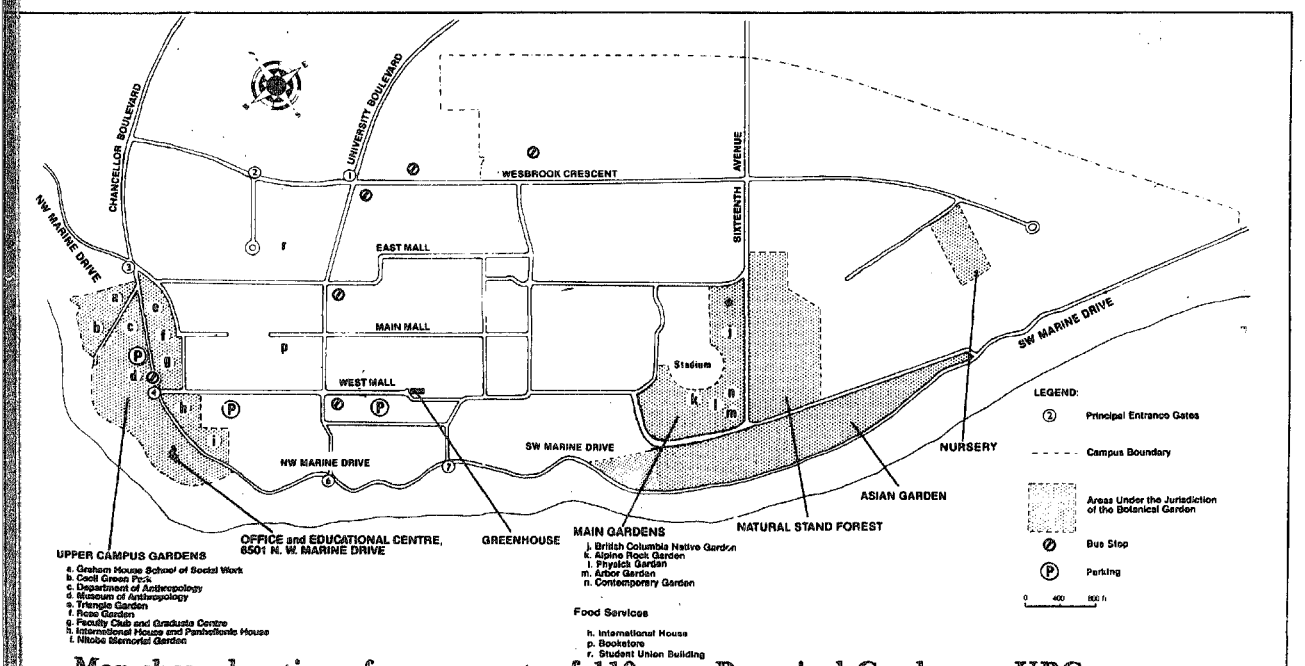
## Many groups use development

Teaching and research activities carried on in a wide variety of UBC departments and faculties frequently bring students and faculty members to the B.C. Native Garden and its neighbours. Word of the new collections is bringing to the campus interested gardeners, botanists, landscape architects, professional nurserymen, school children and many others.

And that's important to Garden director Roy Taylor. "Part of our purpose is to ensure that we have representative material on campus for teaching, research and service to the public in general," he explained. "Another is to exhibit well-grown plant materials which may not be grown elsewhere."

An equally important objective in Dr. Taylor's eyes is to encourage the public to come to the various gardens to learn from and enjoy them. The rationale for this objective is perhaps best summed up in Dr. Taylor's own words in a 1970 article written for the Botanical Garden's journal called *Davidsonia:* "The ever-increasing urbanization, rapid population growth, and the use or misuse of our environment causes man to look inward at the green world for satisfaction and relief from the foment that threatens to engulf us....The purpose of the Botanical

**Continued on next page**
**See BOTANICAL GARDEN**




**Map shows location of components of 110-acre Botanical Garden on UBC campus**

# How to plant 20,000 seedlings a day

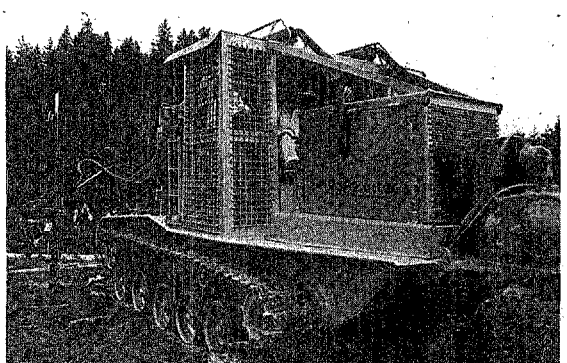
Two cabinet ministers, UBC President Doug Kenny, University Chancellor Donovan Miller, the Board of Governors, students and faculty, forest officials and executives, reporters and what seemed like ten thousand blackflies and mosquitoes before the sun came out.

All were in attendance at UBC's Research Forest May 8 for the opening of an educational project and the unveiling of a research development that hopefully will be a major help in replanting forests in B.C. and elsewhere.

The educational project is a 400-acre Demonstration Forest near the entrance to the 10-square-mile Research Forest north of Haney. It demonstrates forest management practices and is open to the public.

The Reforester, the world's first automatic self-propelled seedling planter, is the product of two years of work by Prof. John Walters, director of the Research Forest.

Reforestation is his life-long interest. The machine was originally a Second World War U.S. Army personnel carrier. It had been converted to a skidder to haul logs out of forests in South America.



**UBC's Reforester was unveiled in early May**

Prof. Walters bought it for $28,000 from a scrap yard in Los Angeles.

Back in Vancouver, he had three compressed-air planting guns installed on the tracked vehicle. The Reforester can travel over logging debris, crawl across logs two feet in diameter, planting three rows of seedlings as it goes.

Each seedling is grown from a seed planted in a plastic "bullet" which is fired into the ground by the compressed air guns. The four-sided bullets were also invented by Prof. Walters as part of earlier work to automate reforestation.

More than 10 years ago Prof. Walters invented the bullets and a small, hand-held gun for planting seedlings. Similar guns are now used in some reforesting projects around the world.

The Reforester takes his idea one step further. Instead of a forest worker walking across logged-over areas firing seedlings into the ground, three people sit in the Reforester and fire seedlings into the ground while a fourth crew member drives.

About 700 seedlings can be planted in a day using a mattock. With the hand-held gun, about 2,000 a day can be planted. The Reforester can plant some 20,000 seedlings a day.

Most of the seedlings planted in B.C. are planted using a mattock or grub-hoe, a method so primitive, says Prof. Walters, that "Cain used a similar tool to kill Abel." According to Prof. Peter Pearse of UBC's economics department, who was chairman of the one-man commission into B.C.'s forest resources, about 1.8 million acres of B.C. forests still have to be replanted.

Federal Environment Minister Len Marchand and B.C. Forests Minister Tom Waterland operated two of the guns on the Reforester for part of its demonstration at the Research Forest. Both ministers opened the Demonstration Forest and unveiled the Reforester by cutting the usual ribbon — using a double-bitted axe.

## BOTANICAL GARDEN

**Continued from Page Nine**

Garden is to provide leadership in the understanding of the green world we live in, and it is my hope that we may reach our goal through teaching, research and the development of a public awareness of plants in relation to man."

In the years since those words were written, hundreds of thousands of people have come to see the campus gardens. They've been part of organized tours expertly led by the voluntary Friends of the Garden, school tours, handicapped people learning to enjoy a part of their environment. Visitors are dedicated gardeners or interested putterers or people just out for a walk. They've been eighty-year-olds or eight-year-olds equally fascinated by the fish in the Nitobe Garden pool and the expertly arranged landscapes.

The garden also encourages public participation through co-operation with the UBC Centre for Continuing Education in offering public and professional programs. The garden also has an active public information program on plant care and maintenance (if your favorite house or garden plant is showing signs of wilting, call 228-5906 for an expert diagnosis).

"The possibilities for utilizing the Botanical Garden for all types of people are almost endless," says Dr. Taylor enthusiastically. "For instance, in mid-May we opened a new greenhouse, partly the result of a generous gift from the Garden Club of Vancouver, which is designed for use by handicapped people. We're also co-operating with the new Extended Care Unit on campus in the practice of hortitherapy, the use of plants in the rehabilitation of the aged and handicapped.

"In the final analysis," he adds, "the Botanical Garden provides an ever-widening window looking out on the life and work of the University. It enables all segments of the public to achieve a new perspective on our public institutions and the role of universities in our society."

# ubc news roundup

## Board, Senate reconstituted

UBC has a reconstituted Board of Governors and Senate as the result of triennial elections held under the Universities Act.

The 15-member Board of Governors is made up of two elected members of the faculty, two elected students, one member elected by the non-teaching staff of UBC, eight persons appointed by the provincial government, and President Douglas Kenny and Chancellor Donovan Miller, who are ex officio members.

**As *UBC Reports* went to press, the provincial government announced the appointment to the Board of Governors of Rendina Hamilton, chairman of the Penticton school board. Mrs. Hamilton, the former Rendina Hossie, received the degree of Bachelor of Laws from UBC in 1956.**

Chancellor Miller will be succeeded on June 25 by Hon. J.V. Clyne, a 1923 UBC graduate, who defeated another graduate, Stan Persky, in an election in February.

Reappointed to the Board by the provincial government are George Morfitt, a Vancouver chartered accountant and current chairman of the Board, and Ian Greenwood, general manager of B.C. Tree Fruits Ltd., of Kelowna.

New Board members are: Leslie Peterson, a 1949 UBC Law graduate and a former cabinet minister in the provincial government; Alan F. Pierce, a 1949 Arts graduate from UBC who is now managing director of William M. Mercer Ltd., a Vancouver actuarial firm; and Allan Crawford, a 1955 graduate of the University of Saskatchewan who is president of ANATEK Electronics in North Vancouver.

The provincial government has also asked Sadie Boyles, professor emerita at UBC, and Hon. Thomas Dohm, QC, to continue as members of the Board until new appointments are made.

Elected to represent the UBC faculty for three-year terms were Prof. Peter Pearse, of the Department of Economics, and Prof. R.D. "Don" Russell of the Department of Geophysics and Astronomy.

The non-teaching staff of the University elected Ken Andrews, an electrician in the Department of Physical Plant, for a third term on the Board.

Picture by Jim Banham

**George Morfitt, chairman of UBC's Board of Governors, was the first Canadian in 44 years to win the U.S. Squash Racquets National Veterans Championship in Boston in February. He competed against 45 top players in the over-40 age group. Mr. Morfitt, who is currently president of the Canadian Squash Racquets Association and a former Pacific coast champion in the open class, also received a Master Athlete of the Year award at a Sport B.C. banquet in February.**

The Jan. 18 student vote for members to the Board was surrounded by controversy, but resulted in the election of graduate student Basil Peters for a third term and Arts student Paul Sandhu for a first term.

Allegations of voting irregularities in the student election led to an investigation of the charges by a special committee of UBC's Senate, which sets rules and regulations for elections to UBC governing bodies.

The committee found evidence that there had been irregularities but ruled that they did not affect the outcome of the election and that the results should stand. The elected students sat on the Board as observers and were barred from voting on Board motions for two months until the controversy was resolved.

The reconstituted Senate held its first meeting in April. Sitting for the first time on the 87-member body is a representative of the professional librarians at UBC. Laurenda Daniells, UBC's archivist and a member of the special collections division, was elected to serve a three-year term on Senate.

## Six honored at ceremony

Six honorary degrees were conferred at UBC's spring congregation on May 31 and June 1 and 2, five of them on graduates of UBC.

A highlight of the June 2 ceremony was the installation of Hon. J.V. Clyne as the 12th chancellor of UBC, succeeding Donovan Miller. Mr. Clyne becomes chancellor officially on June 25.

Honorary degree recipients were:

● Dr. Dorothy Blakey Smith, a 1922 Master of Arts graduate from UBC and a member of the Department of English from 1935 to 1956, when she joined the Provincial Archives as a researcher and editor, remaining there until her retirement in 1968;

● Noted Canadian painter Jack Shadbolt, who taught for many years at the Vancouver School of Art and whose works are included in the permanent collections of Canada's major galleries;

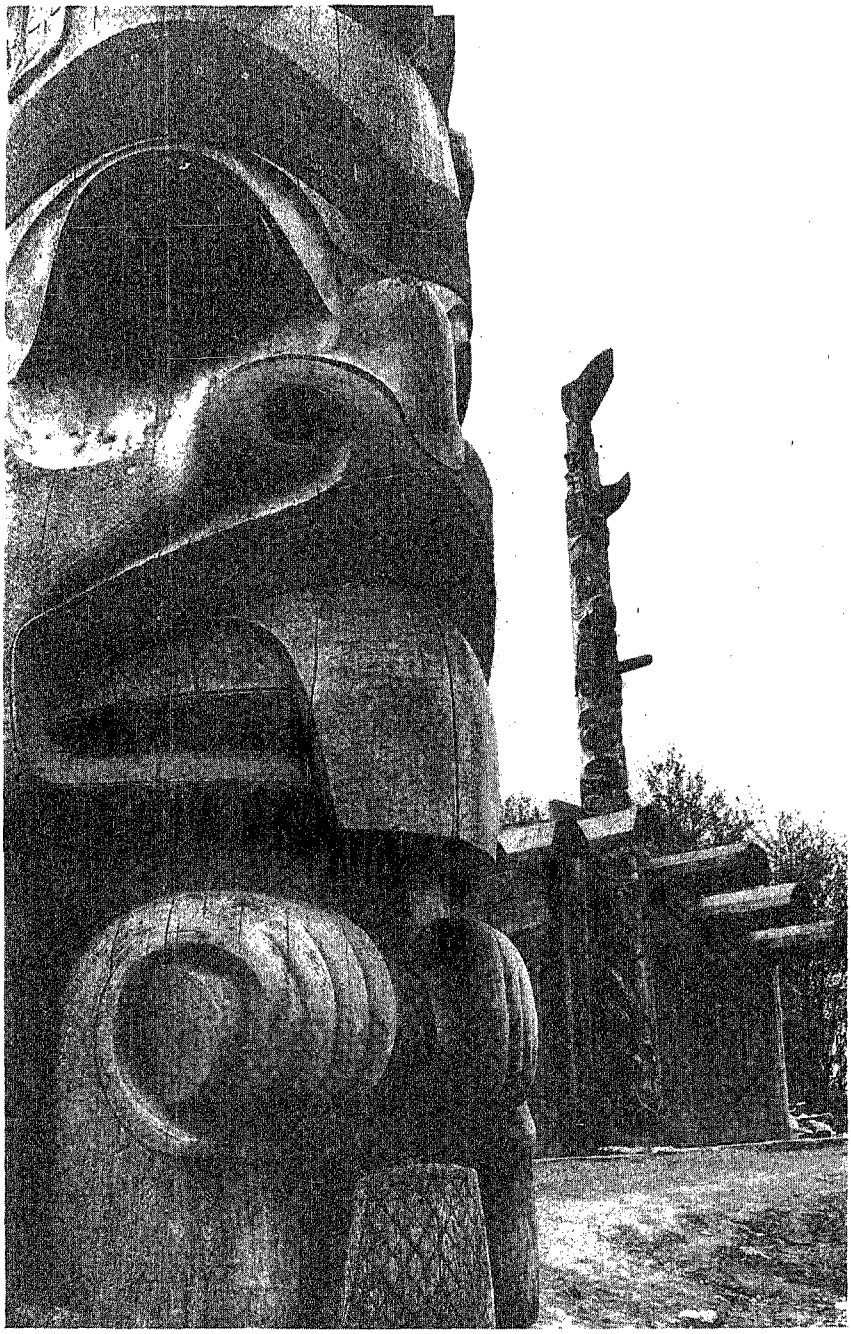
● Professor Emeritus of Geological Sciences Harry V. Warren, an honorary professor in UBC's Department of Geological Sciences, who received degrees from UBC in 192[illegible] and 1927 before going to Oxfor[illegible] University as B.C.'s Rhodes Scholar and who taught at UBC from 193[illegible] until his retirement in 1973;

● McGill University principal Dr. Robert Bell, a 1939 UBC graduate and distinguished nuclear physicist and president of the Royal Society of Canada;

● Vancouver lawyer Thomas Dohm, QC, a 1937 UBC graduate and member of the Board of Governors since 1972, a former justice of the B.C. Supreme Court and president of the Vancouver Stock Exchange; and

● Lawrence J. Wallace, a 193[illegible] UBC graduate who was associated with the provincial government as a director of the Department of Education, deputy provincial secretary and deputy to the premier before being appointed to his present post as B.C.'s agent-general in London, England.

Mr. Wallace, Mr. Dohm and Mr. Shadbolt received the honorary degree of Doctor of Laws; Profs. Warren and Bell received the honorary degree of Doctor of Science; and Dr. Smith was awarded the degree of Doctor of Letters.



**Totem poles and Haida houses that have stood in Totem Pole Park on the UBC campus since 1962 have been refurbished and moved to the grounds of the campus Museum of Anthropology. Largest of the Haida houses, seen in background, will serve as an outdoor performance centre equipped with a fire pit and lighting for workshops, receptions and theatrical performances. Funds to move the poles and houses and to complete the new Theatre Gallery in the interior of the museum were given to UBC by the Calgary-based Devonian Group of Charitable Foundations. Gallery is equipped with a sophisticated six-screen projection system. Performance centres were officially opened in April. Picture by Jim Banham.**

# UBC prepares building plans

Planning is now underway at UBC for new buildings to house the School of Home Economics and the Department of Psychology and for space to house the Schools of Nursing and Rehabilitation Medicine in the new acute-care hospital now under construction in the Health Sciences Centre.

Funds for the pre-construction phase of the buildings have been approved by the provincial government. The total estimated cost of the three projects is $19.5 million.

The new building to house the School of Home Economics will be built on a site on the East Mall about 100 yards south of the present location of the school at the corner of University Boulevard and the East Mall.

The new psychology building will be built immediately west of the existing Neville V. Scarfe Building for the Faculty of Education on a site currently occupied by converted wooden army huts.

The Schools of Nursing and Rehabilitation Medicine will occupy the third floor of the acute-care hospital scheduled for completion in 1980.

## Meetings use UBC facilities

More than 19,000 persons are expected to stay on the UBC campus this summer to participate in a wide variety of large and small meetings and conferences that use UBC residences and other campus facilities.

Money raised by offering UBC as a summer conference centre goes toward the cost of operating student residences during the winter session. It is expected that about $185,000 will be raised this summer.

UBC has the largest conference operation at any Canadian university, according to the new director of the Conference Centre, John Burns, who formerly held a similar position at Carleton University in Ottawa.

This year the Conference Centre began its operations in May with major meetings on playwright Henrik Ibsen and a conference on Humanoid Monsters: Sasquatch and Other Phenomena.

Upcoming meetings and events include an English-language training program for more than 1,000 students from Japan, concerts and training for Canada's National Youth Orchestra, and a meeting of the Association of Commonwealth Universities, which will bring together 1,000 university presidents and top administrators from all over the Commonwealth.

## Continuing ed. flourishes

UBC provided continuing education programs for more than 53,000 persons in the last academic year, UBC's Senate was told recently by the chairman of its continuing education committee, law professor Donald MacDougall.

Prof. MacDougall said UBC's efforts in this area "give the lie" to critics who say UBC is "lost in an ivory tower" and concerned only with "narrow-minded pedantry."

Registration figures cited in the report on continuing education are: Centre for Continuing Education — 33,377; health sciences — 8,515; commerce executive programs — 1,895; commerce diploma division — 7,784; and social work — 1,440.

Prof. MacDougall said 1976-77 had been a difficult one for continuing education divisions, which over the years had developed programs on an ad hoc basis depending on the financial resources available and the economic viability of programs.

He added that the situation may well change in the light of policies now being developed by the provincial government to offer degree and continuing education programs at off-campus locations.

He said the Senate committee had decided that its main emphasis in the next 12 months ought to be the development of a comprehensive University policy in continuing education "because we have to respond to government initiatives."

## New hospital site of study

Elderly and chronically ill Canadians will benefit from work now underway at the University of B.C.

UBC is one of two Canadian centres chosen to develop methods of measuring the quality of long-term health care. The work will take place in the 300-bed extended care hospital, which opened last year in the campus Health Sciences Centre.

Guidelines developed at UBC and the University of Toronto, the other university in the project, will be used to evaluate the quality of long-term health care provided by extended care hospitals.

## Teachers will be evaluated

UBC's Senate has approved motions calling for mandatory annual evaluations of all faculty members and instructors and the development by each department of a training program for teaching appointees who have no past teaching experience.

The motions, passed at the March and April meetings of Senate, also call for an annual evaluation of all undergraduate courses where practical and for teaching evaluations to be considered in reappointment, promotion and tenure decisions.

## UBC sets up child centre

UBC's Senate has approved establishment of a Centre for the Study of Childhood — a research and coordinating facility unique in Canada — within the Faculty of Graduate Studies.

A 10-member management committee will operate the centre, which will sponsor a research program in several fields, including medicine, sociology, psychology, education, law, nursing and librarianship.

## campus people

**Donovan F. Miller**, who retires this month after three years as UBC's chancellor, has been honored for "especially distinguished service" to Canadian scouting.

He has received scouting's Silver Acorn Medal from the chief scout, Governor-General Jules Leger, after service as first vice-president of the National Council of the Boy Scouts of Canada and past president of the B.C.-Yukon Council.

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**Basil Stuart-Stubbs**, UBC's chief librarian, has been named to the first board of directors of the Canadian Institute for Historical Microreproduction, a new organization which has been awarded a $2 million Canada Council grant for a massive program aimed at preserving and making available an important part of the Canadian heritage.

The five-year grant will enable the institute to seek out all rare Canadian works in print published before 1900 and to preserve and catalogue the material in microreproduction, which will be available to individuals, libraries and other institutions. Mr. Stuart-Stubbs was instrumental in the preparation of guidelines for the new institute.

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**Prof. John Walters** of the Faculty of Forestry is the new president of the Association of Professional Foresters of B.C.

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**Joan Pavelich**, of the UBC English department, has been appointed to the Committee on Technical and Scientific Writing of the National Council of Teachers of English, which has headquarters in Urbana, Illinois.

The committee prepares materials for teaching technical and scientific writing, helps teachers understand science students and their attitude toward writing, and prepares a current bibliography on technical and scientific writing for teachers.

* * *

**Dr. Roger A.L. Sutton**, associate professor in the Department of Medicine in UBC's medical faculty and director of the clinical investigation unit at Shaughnessy Hospital in Vancouver, has been awarded the 1978 medal of the Royal College of

Physicians of Canada for studies of the excretion of calcium by the kidney.

* * *

**Prof. Brahm Wiesman**, who was recently named director of the School of Community and Regional Planning, is the author of a recent report for the provincial government that recommends a $100-million construction program of facilities for colleges and vocational training centres in the Lower Mainland of B.C.

The study, conducted at the request of Minister of Education Patrick McGeer, urges the major capital expenditure to overcome a backlog of facilities, to provide service in the rapidly growing suburban areas and to give greater priority to occupational training.

# 11 reach retirement age

Eleven senior members of UBC's teaching, research and administrative staff reach the age of retirement on June 30.

Four of those retiring have each taught at UBC for 31 years or more.

Retiring after 33 years of service are:

**Prof. Robert Osborne**, head of the School of Physical Education and Recreation since 1945, a member of the Canadian Amateur Athletic Hall of Fame and the B.C. Sports Hall of Fame, and a 1933 UBC graduate who played on Canada's Olympic basketball team at the 1936 games and coached the Canadian Olympic team in 1948; and

**Prof. Leslie G.R. Crouch** of the Department of Mining Engineering, a former president of the Association of Professional Engineers of B.C. In addition to his teaching and research at UBC, Prof. Crouch has been active in Vancouver musical circles and has served as president of the Bach Choir and chairman of the Vancouver centre of the Canadian College of Organists.

**Prof. Sam Lipson**, a UBC faculty member since 1946 and head of the Department of Civil Engineering since 1970, retires after 32 years at UBC. A former president of the Association of Professional Engineers of B.C., Prof. Lipson is an expert in structural engineering, particularly in the area of steel joints.

Retiring after 31 years at UBC is **Prof. Alex Wainman**, a linguist who specialized in the study of Slavonic languages, especially Serbo-Croatian, and a member of the Department of Slavonic Studies since 1947.

Retiring after 20 or more years of service are:

**Dr. Brock M. Fahrni**, a chronic care and rehabilitation specialist who first joined the UBC Faculty of Medicine in 1952 to lay the groundwork for UBC's School of Rehabilitation Medicine, which he was appointed to head in 1961;

**Prof. Philip G. Haddock**, a silviculture and forest genetics expert who has been a member of UBC's Faculty of Forestry since 1953;

**Prof. Donald C. Gibbard**, a music specialist who was a member of the teaching staff of the former provincial Normal School when it was incorporated into UBC as the Faculty of Education in 1956;

**Prof. Harold Covell**, a reading expert who joined the UBC Faculty of Education in 1957 and who is the author of a number of textbooks used to teach reading in Canadian schools; and

**Prof. Sam Black**, one of Canada's best-known painters, winner of UBC's Master Teacher Award in 1970 and professor of art education in the Faculty of Education since 1958.

**John C.F. Gray** reaches the age of retiral on June 30 after serving on the staff of the UBC Library for 14 years, currently as a cataloguer in the catalogue records division.

Retiring after 10 years on the UBC faculty is **Prof. Maurice Pryce**, a distinguished physicist who joined the UBC faculty in 1968 after serving as Wykeham Professor of Physics at Oxford University and head of the physics department at Bristol University in England. At UBC, Prof. Pryce served as acting director of the Institute of Astronomy and Space Science in addition to teaching in the Department of Physics.

**Dr. W. Harriet Critchley**, of UBC's Institute of International Relations, was a member of a group of Canadian university teachers that advised the Department of External Affairs on the preparation of the Canadian position on disarmament presented at a special session of the United Nations in May.

The nine-member group of academics held intensive two-day meetings in Ottawa in January and March to advise the department. It was the first attempt at formal consultation on Canadian foreign policy formation involving members of the academic community, Canadian ambassadors involved in the negotiations and other high-level government officials.

Other non-governmental participants at the meetings included: Dr. George Ignatieff, John Holmes and John Polanyi, all of the University of Toronto; General E.L.M. Burns of Carleton University in Ottawa; and Dr. Norman Alcock of the Canadian Peace Research Institute.

**Hannah Polowy**, assistant professor in the Faculty of Education, the first president of the United Society for Education Review in B.C., an 11-member organization formed to undertake a thorough investigation of the B.C. public school system.

The member organizations, representing educators, school trustees, parents, labor and business, have not always seen eye to eye on educational questions but have agreed to join forces in an objective and independent study of B.C.'s public education

system from kindergarten through grade 12.

Ms. Polowy is one of three members of the UBC Faculty of Education who are members of the new society. The others are Dean John Andrews and associate dean of education Vincent D'Oyley.

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The advisory council for the new Emily Carr College of Art, formerly the Vancouver School of Art, includes two well-known UBC names. Serving on the council are **Victor Doray**, director of the Department of Biomedical Communications in the Faculty of Medicine, and **Prof. Gordon Smith**, who teaches art education in the Faculty of Education and is one of Canada's best-known painters.

Prof. Smith is also one of four new appointees to the provincial government's 15-member advisory committee on the arts, which makes recommendations on grant disbursements from the B.C. Cultural Fund and advises on the future of the arts.

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**Prof. Jack Pomfret** of the School of Physical Education and Recreation has been appointed to the governing board of a new Justice Institute of B.C. which will open later this year at Jericho Hill School in Vancouver.

The institute, which will operate under the Colleges and Provincial Institutes Act, will provide training for court, police, corrections and sheriff services personnel, and will be extended to provide training to provincial fire services personnel.

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**Prof. John Dennison** of the Faculty of Education has been named by the federal government to a commission that will make recommendations on education programs in the federal penitentiary system.

The nine-member commission has already begun its work and will continue until February, 1979. Commission chairman is Dr. Alan Thomas, a former member of the UBC Centre for Continuing Education.

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**Prof. William Hoar** of the zoology department was honored by the University of Western Ontario on June 8 when he received the honorary degree of Doctor of Science at Western's annual graduation ceremonies.

The honorary degree was the fourth awarded to Prof. Hoar, who was head of Zoology from 1964 to 1971 and is widely known for his research on Pacific salmon.

**Prof. Charles Bourne** of UBC's Faculty of Law is one of four Canadian experts on international law who have been appointed by the federal government to serve on the Permanent Court of Arbitration.

The court was created under the Conventions for the Pacific Settlement of International Disputes, which were signed by the major world powers at meetings held in The Hague, in Holland, in 1899 and 1907.

Members of the court form a pool of expertise which is available to arbitrate international disputes that cannot be settled by diplomacy. Each state that is a signatory to the 1899 and 1907 Hague Conventions is entitled to name four qualified persons who each serve six-year terms on the court.

Some 61 states have designated 230 experts as members of the permanent court, which functions side-by-side with the International Court of Justice at The Hague. The international court was established in 1945 under the charter of the United Nations.

Members of the Permanent Court of Arbitration play an important role in the appointment of judges to the International Court of Justice. They submit a list of nominees for judges of the international court, who are elected by the UN General Assembly and Security Council.

**Dr. Beverlee Cox**, associate professor of nursing at UBC, has resigned to accept an appointment as dean of nursing at the University of Western Ontario.

# ubc sports roundup

UBC's men and women athletes continued to bring home their share of awards and championships in 1977-78.

The year's top honors went to the women's volleyball team which swept aside all opposition at the university level and then went on to win the Canadian open championship in Regina in April. The team didn't lose a game in the 1977-78 season.

Volleyball team captain Dorothy Schwaiger shared the most-valuable-player award at the Canadian open championships and the team's coach, fourth-year Education student Dianne Murray, was named coach of the year.

Other women's teams that joined the volleyballers in the winners' circle this year were field hockey, cross country and track and field. It was the fourth time that the UBC women's track and field team had won the Canada West championship when they topped four other universities in competition in Edmonton in February.

**Continued on Page 16**

**Fourth-year Science student Gary Warner, captain of the UBC Thunderbird volleyball team, was awarded the Bobby Gaul Memorial Trophy at men's Big Block banquet as the outstanding male athlete of 1977-78.**

SPORTS ROUNDUP
Continued from page 15

Other outstanding performances and awards for women athletes included the following: Kathy O'Sullivan and Patty Whittle were named to the all-star skiing team of the Northwest College Ski Conference; women rowers competing in the annual Elk Lake meet posted victories in the singles by Jill Turney, the lightweight four, and the senior B eight; fifth-year Education student Sheila Wells was the winner of the Barbara Schrodt Trophy for combining administration with participation in the athletic program; and two people were named honorary members of the Women's Big Block Club at its annual banquet — Nancy Horsman, a member of the UBC dean of women's office, and Prof. Robert Osborne, head of the School of Physical Education and Recreation, who retires this year.

Here are brief descriptions of outstanding team and individual performances by UBC men.

**FOOTBALL** — The Thunderbirds came within an eyelash of winning their second straight western Canada title, dropping a 13-12 decision in the final game of the season to the University of Calgary. Fullback Glen Wallace and defensive lineman John Turecki were named to the all-Canadian college team while quarterback Dan Smith captured the MVP award in the Canada West league.

**HOCKEY** — The 'Birds finished second to the University of Alberta, which went on to defeat the University of Toronto for the national intercollegiate title. Defenseman Ross Cory was selected for the student national team and also made the conference all-star squad with goalie Ron Paterson.

**RUGBY** — Despite the loss of several top players, the 'Birds won the Vancouver Rugby Union first division fall league, defeated the University of Victoria in the annual Wightman Boot game, and retained the World Cup with a 40-10 win over Long Beach State. Preston Wiley and Gary Hirayama were selected to a national squad coached by UBC's Donn Spence.

**WRESTLING** — The squad coached by Bob Laycoe, who was named wrestling coach of the year by his peers, regained the Canada West championship and sent five students to the national collegiates, where Peter Farkas won the 134-lb. division and was named outstanding wrestler.

**ROWING** — After cleaning up at their own invitational regatta at Burnaby Lake, the 'Bird oarsmen went on to best the Oregon State varsity eight at Corvallis. At the San Diego Crew Classic, the UBC eight won the consolation round over four other U.S. universities.

**CROSS COUNTRY** — UBC finished second to Alberta in the Canada West meet hosted by UBC in the fall. Greg Saxon was second in the overall cross country standings and Graham Stuart set a new record in the Canada West track and field championships in the shot put.

**JUDO** — The UBC team won the Canada West title for the fourth consecutive year and Tim Hirose was again chosen to represent Canada in international competition.

**FIELD HOCKEY** — The Thunderbirds captured the first division title in the fall league. Alan Hobkirk, Dave Bissett and Reg Plummer represented Canada at the World Cup Tournament in Buenos Aires, where the team was coached by UBC's John McBryde.

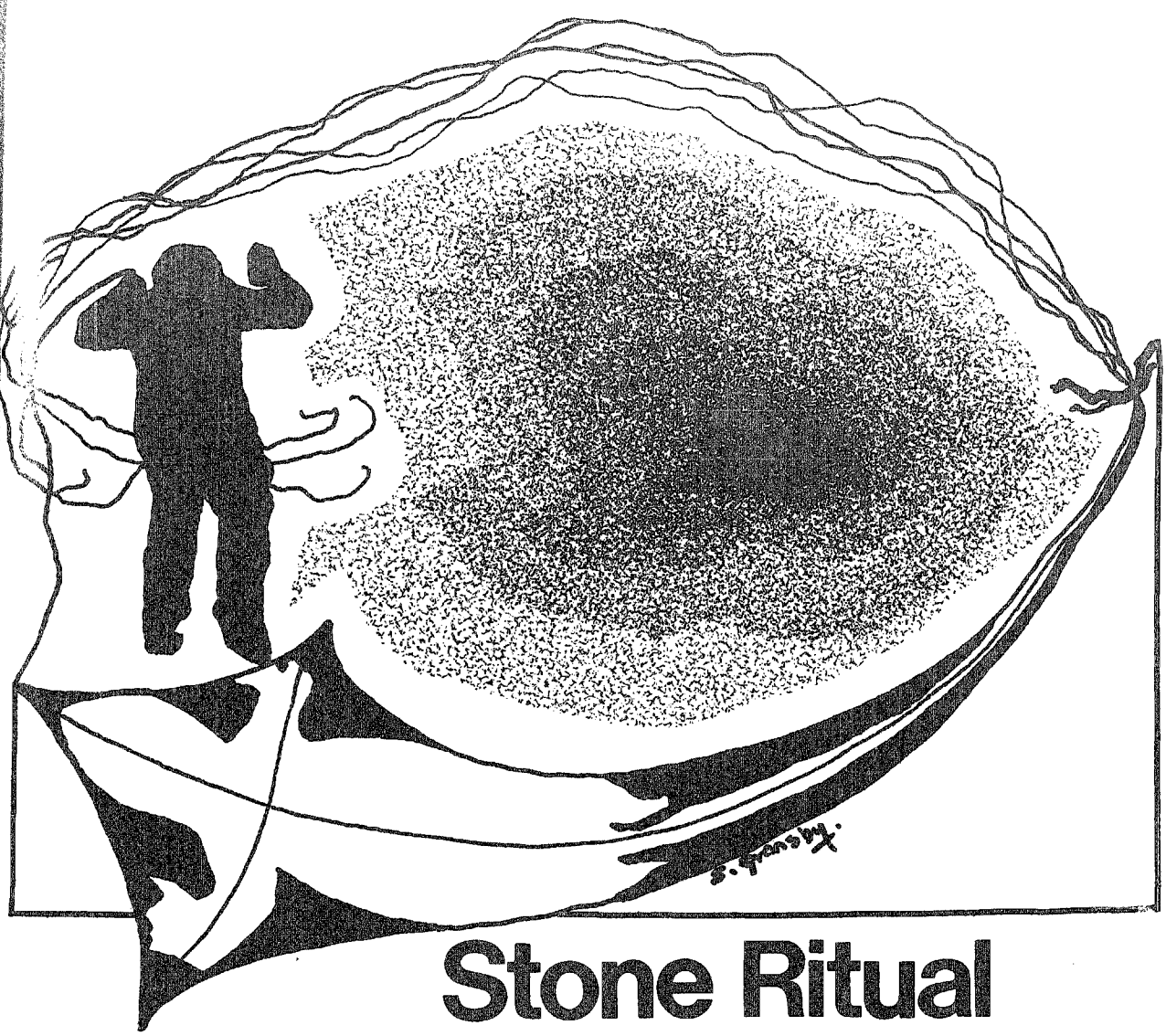
**SQUASH** — Top UBC squash players Brian Covernton and Rich Fleming represented Canada in an international match against the U.S.

**BASKETBALL** — UBC's junior varsity team came up big, winning the Lower Mainland and junior crowns. They made the semi-finals at the national junior championships in St. John's, Newfoundland.

**SKIING** — Randy Davis and Stuart Harrison were named to the all-conference team of the Northern College Division.

Picture by Jim Banham

**Trophy recognizing UBC's top female athlete for 1977-78 was shared this year by two members of the Thunderette volleyball team, captain Dorothy Schwaiger, left, a third-year Physical Education student, and Jane Livingston, a fourth-year Sociology student. Volleyballers swept aside all opposition at the university level and went on to win Canadian open championship. Winners of other distaff athletic awards were Education student Sheila Wells, who captured Barbara Schrodt Trophy for outstanding contribution to women's athletics, and Commerce student Betty-Anne Hole, winner of the Dorothy Livesay Award for outstanding sportmanship, performance and service to field hockey.**



# Stone Ritual

This short story by **Theo Collins** was the winner of the 1978 *Chronicle* Creative Writing Competition for UBC students.

That piece of earth rises higher than all the earth around it. Despite the elements and its seemingly precarious setting, the soil is not washed away; it holds. This is because it is contained within a shelter of granite, like a bowl, and the cliff is grassy almost to the edge. On the very edge does the soil give way to stone, broken, bitter-looking stone, and then there is the fall. The cliff-face is hollow, and the drop-off from the edge is the height of nearly a hundred men, a measureless, terrifying fall before anything touches ground again. Anything that tumbles there hits jagged stone and breaks.

It is a pleasant, pretty place, if the fear is mastered. Mothers will not let the young ones near it, but boys and girls of twelve can go. In that village, the cliffs must be mastered by all, just as the eaglet masters the wind.

The grass is fine short grass, as if shorn, but it grows that way naturally. And the few wild flowers that are there are sparse — bright but delicate touches, lean as the mountains. Lovers have lain there, in the darkness, while the village slept.

The boy was fifteen. His chores were done, what chores there were with such a wind up, changeable and dangerous. It was no day for climbing.

He was at that place with a drop-kite that he wished to set sailing. But he dawdled and tested the wind and tossed stones, because the kite was a good one, with much craft in it. He didn't want to lose it, as it surely would be lost if it were launched. It would fall and hide like a lizard in the stone canyons.

When the girl came, he did not speak to her. He knew her, just as he knew everyone: her face was a fragment of the collective village faces. But he did not speak to her because just then his thoughts were his.

He did not see she had a basin. Mostly his eyes were downward, gauging invisible winds. He only knew her presence. It was when he heard her splashing that he turned and looked. She was washing her hair, a curious act in such a place. But then he had seen: he knew. It was too late. He did not dare speak then.

His grandfather had said that the ritual was old when *his* grandfather was young. The tale said that it began with a soldier who returned from an ancient war to find his lover married. But the boy's grandfather — and he was the oldest of the village — insisted that this was recent, that the tale *he* had heard was different, and that the one *he* heard was probably untrue also.

All that was known was this: a person, usually young, usually unmarried, either male or female, would come to this place on the cliff, would cleanse themselves, divest themselves of clothing and dive upon the stones. No one knew how they chose themselves, why they wished to die or even whether they wished to die. No one asked because it was just accepted — and no one moved to prevent these deaths or stop the ritual. Even without meaning (and who knew what its meaning was) it was *the* ritual, real and perpetual like the bones of the mountains.

The boy saw the girl and knew why she was there. It was not a small basin that she had brought with her and it was filled with water. He wondered how she had managed it and how he had missed seeing her carrying it. She was kneeling, her head bent over the basin. Her hair was spreading beneath the water, had opened into it like a flower, as though that were its purpose, to blossom there.

He watched. Her hands were gentle amid the strands, careful, thorough, but never harsh. The hair was brown, darker beneath the water, less careless than the mountain breezes made it. He saw her neck, cream-colored, the hair looping up from it, a fine down moving along the neck's curve to a hidden place beneath the cloth collar of her dress. Her stance was an archway, a waterfall.

While he watched, another person had come, a girl, younger than the other, fourteen where the first was seventeen. The second girl was halted, as the boy had been, by a recognition of what was before her. She had never seen the ritual. Neither had he. Nor his father. There were few alive who had, his grandfather an exception. But they recognized it as surely as they would their souls. It was a strange ritual and seldom done, but it was inevitable.

The new girl, saying nothing, came beside the boy and sat. Until then he had been standing, but when she sat, he sat also, the kite held in his lap. They watched together.

The one who washed changed her position slightly. She shifted from kneeling to crouching, grasped and held her hair like a tassel and withdrew it from the water, moving her hands along its length and squeezing out moisture. She shook her head, tossed her hair back (showing herself momentarily pale-throated and vulnerable) then searched a brief while in a bag that she had set down beside the basin. She took out a comb and passed it through her hair in long rhythmic motions.

A man came, paused, but did not stop to watch. Another man came and stayed. Then two women. At a stranger's distance, a circle slowly grew, a circle broken only once. There was a pathway left to the cliff-edge.

They were watchers, watchers with eyes set in stone, silent. Was this the pattern: a grim daylighted theatre, a player, a stage, an audience? There was no knowing if the watchers were indeed audience, or if they too were part of the ritual and players themselves. The pattern was as unknown and wayward as a tapestry woven by the fingers of the wind.

A little boy wandered by to gawk at the crowd. Someone spotted him and led him away, returned him to his mother. Even here, there was silence. The child made no protest, seemed to be quieted by the subdued attitudes of all that were around him.

The boy with the kite looked at the girl in the circle's focus, examined her face. It was no longer familiar, although it had once belonged to the village, had felt the cliff winds as his had, had smiled and frowned at him. This face was distant, a stranger's face, as hidden as the night. He did not know this girl.

She stopped combing and put her comb aside, then reached into her bag and brought forth a piece of cloth. Then she sat, took her shoes off and her stockings, pulled her skirt up and tucked it in her lap, exposing her legs. Something in this action disturbed the boy, made him restless and apprehensive. These legs seemed long and startlingly white. He stared at them, saw a callous on one of her heels, the dimpling of flesh between her shins and thighs, the bend of her knees.

The girl took the cloth and dipped it in the water. Then she cleaned her feet with it, then her ankles, her calves, her knees, her thighs — and her skin glistened. The boy became more and more agitated. He looked away, far out beyond the cliff-face, then up at the sun, veiled slightly by a haze, then back at her again. He saw the light reflected by the moisture on her skin. Again, he looked away, this time to the girl beside him.

He studied this girl. There was something in her eye that reminded him of himself. And something in a gesture, the slight motion of her fingers on her thigh. And something about her mouth, the turning down of her lips, their slight parting.

Nothing of these things were precisely his. But they seemed to be something he shared with her, this girl of fourteen — seemed so perhaps because their ages were so near; or because both of them were watchers of the ritual; or because he and she sat so near to each other....What it was that he recognized in her and in her attitude, he could not tell. But he wasn't willing to search further. Without his eyes ever touching the eyes of the one beside him, he turned back towards the center of the circle.

The cleansing ritual was continuing. The cloth had found and touched and washed the lengths of both of the legs. With the wind, the girl's hair seemed to be drying. She loosened it further with a shaking of her head, then with her hands shifted her balance to her feet and stood. As she stood, the material that had been gathered in her lap unfolded and slipped down again. She did not allow this to open. With a simple gesture, she stopped it, reached her hands down crossways and grasped the hem of her skirt, and lifted it over her head. Then she freed her undergarments and removed them also. Finally, she stood naked, her flesh pale and cold beneath the wind.

It was she who was cold. It was her arms that moved to briefly shield her stomach and her head that crouched sideways against her shoulder. But it was the boy who shivered.

He had seen breasts, seen mothers suckling infants, their faces turned downwards watching the creatures feed. But this seemed different. There was hardly a suggestion in these breasts that a child should be at them. He saw them, goose-fleshed, the nipples rose-colored, swollen. He felt like touching them.

And there was something else, something about women he had never known, an innocence in him that had never been touched. It was there, beneath the roundness of her belly, between, where thighs joined body. He felt there was some meaning to this. His own body was stirring.

The girl washed herself. He followed her hand as it moved the cloth over her stomach, downwards to wash those parts of her thighs which it had not reached before, upwards along her side, beneath her breasts, over them, up over her shoulder and to her shoulder blades. She reached behind her, up towards the hollow of her back and her spine arched, her stomach curved outwards and her breasts lifted. As she twisted about, he watched the changing contours of her body, changing like the swells on the swift surface of a stream in early spring. He watched this alone, because although there were many around him, the vision was a private one.

At last the cloth had touched every hollow, the length of every limb, sought out each place of her body, however secret, and she was done. When she finished, she put the cloth aside, picked up the comb again. She combed her hair so that the wind could blow freely through it, then placed the comb aside also. She let the wind dry her, cold as it was. Something within her made her resistant to the cold. She did not shiver as the boy had.

When she was dry, she walked to the cliff-edge. She stood there, her bare feet braced against the broken stones, her calves flexed, her arms hanging loose at her sides. She stayed motionless for a

it, framed against the wind, seem- look outwards for some distant At last, she gathered herself and The last the boy saw of her was her l body falling, her long hair trail- er.

rived of its focus, the circle still ned itself, momentarily motion- ill silent. Then one of the crowd away, then another. Soon only a w remained. One was the boy. He aking the kite from his lap, and to the cliff-edge. He saw a blossom far below on the stones, something . He turned away.

t day, the vision of her, alive, with him. It would not leave him. The girl who had sat beside him h it all stayed with him too. He said g to her and she did not ask him to nor spoke herself. They only together and parted with the night.

In the night, he heard the wind. It was blowing wildly, but without rain. He knew it was too cold, but he took his coat anyway and went out into it, into the dark. Strangely, he found the girl who had passed the day with him, found her outside with a scarf enshrouding all but her eyes, her eyes glistening with the moon. He went up to her, placed an arm about her shoulders and was going to bring her home. But he passed her house. Instead, he walked until he came to a sheltered place and huddled there with her.

There was something frightened in her eyes by moonlight and her voice whined in the back of her throat. "No. No," she said. "Don't, please. Please. I don't want to. Please." Later she cried, and in the early morning she had to wash the blood from her skirt so that her mother would not discover it.

Somehow, though, her mother seemed to know, although she never mentioned it. Such things mattered in that village, mattered terribly, but in this case the usual consequences did not materialize. It was not as though what had happened had no meaning. It did, but in a different way. If asked, no one could have explained.

Thereafter, the girl seemed to stay always near the boy. She had a way of holding his arm, both her arms wrapped around it, her small breasts pressed on either side of it. Then her cheek was against his shoulder and her head pressed into his neck.

The boy took her once to that place on the cliff. He remembered the red stain he had seen that time when he had looked down upon the stones. This time he had brought his kite to show her how it flew. He threw it from the cliff. It glided a ways outward, caught a wind, lifted, banked smoothly to the left. He watched it. It was a good kite, perhaps his best. He watched it, then suddenly lost interest. He turned away before it had gone out of sight.

He sat and hid like a lizard among the stones and canyons. □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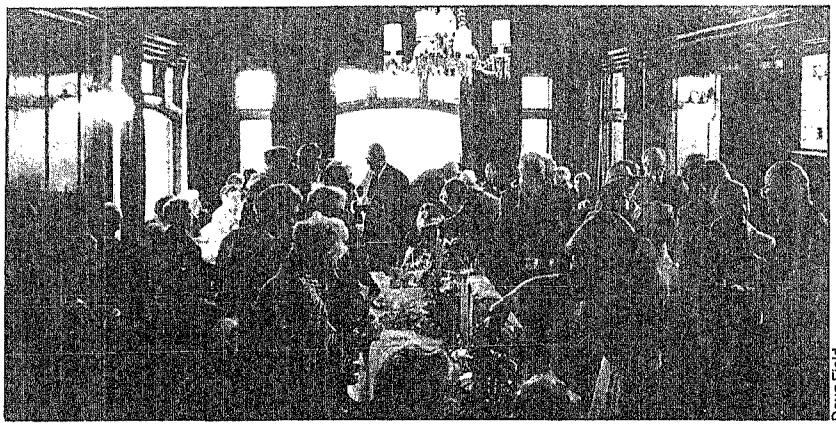
# News



Doug Field

*It was a full house at Cecil Green Park March 4, when over 200 members and friends of the Classes of '16 to '28 (top) came to tea to celebrate a reunion and the unveiling of the Fairview Grove pictorial display marker. Among those enjoying the afternoon were registrar emeritus C.B. Wood (center, left), professor emeritus John Turnbull, at 101, the sole surviving member of UBC's original faculty and Dr. William Black, BA'22 (right).*

*Elizabeth Abernethy Klinck, BA'20, widow of UBC's second president, Leonard S. Klinck, whose photograph is behind her, views the silver tray, now on permanent display at Cecil Green Park, that her husband was given by the board, senate, faculty, alumni, staff and students in 1939 on the 20th anniversary of his UBC presidency.*

## The Alumni Year In Review

*Each year the alumni association prepares a report on its activities for presentation to its annual meeting. This year that meeting was held May 29 at Cecil Green Park. The following is a sampling of that report. A limited number of copies of the full report are available on request to the alumni office, 6251 Cecil Green Park Road, Vancouver, B.C. V6T 1X8.*

"Not since 1932 has UBC been faced with financial retrenchment necessary in this past year." The alumni association has shared these restraints by working within a budget cutback — despite an increased number of alumni and increased costs. According to the report of the out-going president, Charlotte L.V. Warren, this has meant two things: a greater use of volunteers in program work and a review of association programs and activities to determine priorities.

A 1977 report to the board of management by the **finance and administration** committee concluded that continuing priorities should be: alumni branches — those in B.C. to have greater emphasis; government and public relations, including the speakers bureau; student affairs; records and the alumni fund and the *Chronicle* as support for the other programs.

The **government relations** committee, with two faculty representatives, vice-president Erich Vogt and Peter Lusztig, dean of commerce and business administration, visited Victoria in April for meetings with the caucuses and several cabinet ministers. The discussions centered on teaching and research at the university.... **Student affairs** have had an active year with informal dinners for students with UBC president Douglas Kenny and William Gibson, head of the Universities Council, a very successful student leadership conference in the early fall, a day-long seminar to help students prepare to meet prospective employers, and support of the tutorial centre.... The **travel** committee offered several international jaunts — the Black Sea, Greek Islands, the Orient, South America among them.... The **Young Alumni Club** continued its sociable ways with Thursday and Friday evening gatherings at Cecil Green Park. Two ski trips to Whistler and Manning Park were enjoyed and square dancing has been added to summer activities that include volleyball, softball, biking, camping and a sailing trip to the Gulf Islands.

**Commerce** alumni represented on the faculty caucus, spoke in favor of the evening part-time MBA program. Their student/business community lunches were oversubscribed by students this year and there are plans to expand the program.... **Dental hygiene** alumni sponsored a dinner at Cecil Green Park and distributed a newsletter to members.... **Home economics** alumni also

d for their typewriters to prepare a news- . Last summer they held a luncheon fol- l by a tour of the UBC Botanical Garden. are plans to raise funds for the new home mics building. Alumni will be assisting at ng ceremony for the '78 grads.

rategies for Survival" in the work world he topic at a **nursing** alumni-sponsored ng for the graduating students. The divi- lso participated in the Marion Woodward re and the graduation reception co- ored by the faculty. A lack of volunteers orced the members of the committee to end division activities.

ne of the newest divisions, **librarianship**, organized this year. They have elected an im executive and are preparing a constitu- .... **Health services planning** alumni were welcomed as a division. They have a regu- ewsletter and alumni continuing education meetings.... **Men's and women's athletics** continued to show the UBC colors in a vast array of activities — many of which resulted in tournament, division or conference championships.

The **UBC Alumni Fund** completed another successful year raising $349,450 in alumni gifts. A second installment of $20,000 was made on the fund's pledge of $100,000 to the aquatic centre. The Walter Gage student aid fund was able to assist all requests from income on its capital of $23,000. The established commitment of the fund for student aid is now $94,250, the highest in its history.

The **awards and scholarships** committee recommended that Frances Fleming, BEd'65, MEd'67, retiring assistant superintendent of special education programs in the ministry of education receive the alumni award of distinction and Dr. Joseph Katz, professor emeritus of education and a long time member of the *Chronicle* committee be named an honorary life member. The Norman MacKenzie scholarships of $600 were awarded to 35 B.C. high school students and to seven community college students coming to UBC. A minimum of $25,000 is available through the Walter Gage alumni bursary fund for students with ability and financial need. They have recommended that a $500 annual alumni bursary fund be established for non-status Indians registered in the Native Indian Teacher Education Program at UBC.

It's been busy in **branches** — "sharing some of the cultural and professional resources of the university with the community."... A Vancouver Island tour by the University Singers attracted 1,500 listeners. Alumni helped with billeting the group and local arrangements: James Slater and Thomas Haynes in **Nanaimo**; William Dale and Albert Wedel in **Courtenay**; Parker McCarthy, Michael Debeck and James Johnson in **Duncan**; Kate Barrie, Terry Slaney and Jonathan Rout in **Parksville** and William Ross in **Mill Bay**.... Other functions were held in **Prince Rupert** — education professor, Du-Fay Der, on stress and relaxation and **Port Alberni**, a nutrition workshop.... Harry Franklin, executive director visited **Edmonton**.... Chancellor Donovan Miller and president emeritus Walter Gage spoke to **Seattle** alumni.... In **Fredericton** Charlotte Warren and the chancellor unveiled the third Norman MacKenzie bust at the University of New

Patrick Lucy

*The UBC Speakers Bureau arranged 152 engagements in this past year. One took assistant professor of nursing, Raymond Thompson to Banting high school in Coquitlam to discuss nursing careers with the students.*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Brunswick.... Professor emeritus Harry Warren visited alumni in **San Francisco, Los Angeles and San Diego**.... There was an informal reception for **Halifax** alumni to meet the chancellor.... UBC president Douglas Kenny and vice-president Chuck Connaghan met with **Kamloops** alumni in April.... and in **Whitehorse**, there was a first-ever alumni event with guest speaker Dennis Milburn, UBC education professor.

The *Chronicle* continues to be sent to all alumni with "known" addresses with the three-times a year addition of *UBC Reports* to give alumni a more news-oriented coverage of university happenings. Production costs continue to be a major concern. The committee is looking at the possibility of a new format and change in frequency which promises to increase advertising revenue.... The **Fairview** alumni have been very active with a Cecil Green Park reception/reunion for the unveiling of the new display marker at the Fairview Grove, the installation of the silver Klinck tray and presentation of a portrait of alumni association and university benefactoress, the late Gladys Schwesinger, whose generosity made much of the committee's work possible.

**Homecoming** celebrations began in June with the Class of '27 celebrating with three days of events; Medicine '57 gathered for a weekend at Salishan, Oregon, and Blythe and Violet Eagles hosted a garden reception/reunion for the Class of '22. (Members of '21 were invited along to enjoy the party.)... Men's and women's golf tournaments were held October 14, organized by Marty Zlotnik and Eleanor Crawford.... Homecoming day, October 22, saw 350 alumni and friends from the Classes of '32, '37, '42, '48, '52, '57, '62 and '67 participating in tours, lunches, dinners, dances and a lot of conversation.

The **speakers bureau** in its third year of operation enlisted the assistance of 421 volunteers — UBC faculty and staff — for its roster and was able to provide speakers for 152 engagements. A wide variety of groups used the bureau during the year and it is increasingly being asked to provide keynote speakers for conventions being held in Vancouver. A new brochure outlining all the available topics is being prepared for distribution in the fall (for a copy call the alumni office, 228-3313).... **Special programs** have been curtailed due to a lack of funds — among these the alumni annual dinner. The committee also decided to discontinue the sponsorship of the Alumni Concerts as attendance has been very poor despite a high caliber of performance by participating faculty and students. Self-financing events such as off-campus dances and luncheon events are being looked at for the future.

In his assessment of the alumni year, '77-'78, the executive director, Harry Franklin, noted a few of the events that made the year unique: a new shake roof on Cecil Green Park, partially through the generosity of the Council of the Forest Industries; $27,000 raised through the sale of the sterling silver library plate that will provide a special fund for capital or program projects of the association; and the appointment of Dale T. Alexander to be director of the UBC Alumni Fund and programs.

## Haig-Brown/Ladner — In Memory of the Fine Art of Angling

*The following communication was received from Stanley Read, professor emeritus of English, himself an ardent angler and permanent secretary of the Harry Hawthorn Foundation for the Incu cation and Propagation of the Principles and Et ics of Fly-Fishing.*

Roderick L. Haig-Brown died suddenly on the lawn beside his lovely home, "Above Tide" on the banks of the Campbell River on October 6, 1976. He was widely known as a superb writer, an ardent angler, a devoted conservationist and a humane and conscientious magistrate and judge. His greatness had been recognized during his lifetime. In 1952 there was an honorary degree from UBC and later election as chancellor of the University of Victoria. And in the last six or so years of his life he was a member of the powerful International Pacific Salmon Fisheries Commission. His early death, at 68, was a severe loss to a host of friends and admirers.

The author of over 20 books, many of them on angling, the life of the angler and conservation, Haig-Brown was deeply interested in the long tradition of angling literature. In 1953 he was a founding member of the Harry Hawthorn Foundation. One of the basic reasons for


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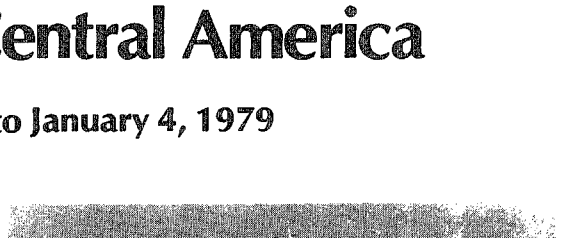

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the existence of the foundation was the gathering of a collection of angling books. Beginning in a modest way, the Hawthorn collection now totals over 1,500 volumes, many of great value. The collection was actively supported by Haig-Brown up to the time of his death.

In 1977, as a result of negotiations between Dr. Christopher Brockley, Dr. William Gibson and Dr. Peter Larkin, dean of graduate studies and a close friend of Haig-Brown, the Fisheries Association of B.C. gave a grant of $5,000 for the construction and maintenance of a memorial bookcase for Roderick Haig-Brown, to be placed in the Sherrington Room of UBC's Woodward Library. That bookcase — and it is beautiful — has been installed, a memorial plaque is being prepared and the Hawthorn Foundation collection is being transferred from the main library. The memorial bookcase will house the many rare and valuable items and the rest of the collection will be placed on the open shelves of Woodward. Of the initial Fisheries Association grant, some $3,000 has been placed in a trust fund, the interest to be used to purchase fine works from the great field of angling literature and books dealing fundamentally with conservation.

In April, another great friend of angling and UBC, Dr. Leon Ladner, LLD'67, died at the age of 93. A former member of parliament, he was for many years an honorary professor of law and also for many years a member of the UBC board of governors. He was a convocation founder of UBC and honorary life member of the alumni association. He became a member of the Hawthorn Foundation in 1956 and was a generous contributor to its funds.

Contributions to the Harry Hawthorn Foundation directed either to the Haig-Brown Memorial Fund or the Leon Ladner Memorial Fund, may be made through the UBC Alumni Fund, 6251 Cecil Green Park Road, Vancouver V6T 1X8. It is the hope of all concerned that these funds will grow steadily and that the collection as a whole, will in the years ahead become one of the great collections of its kind in North America.

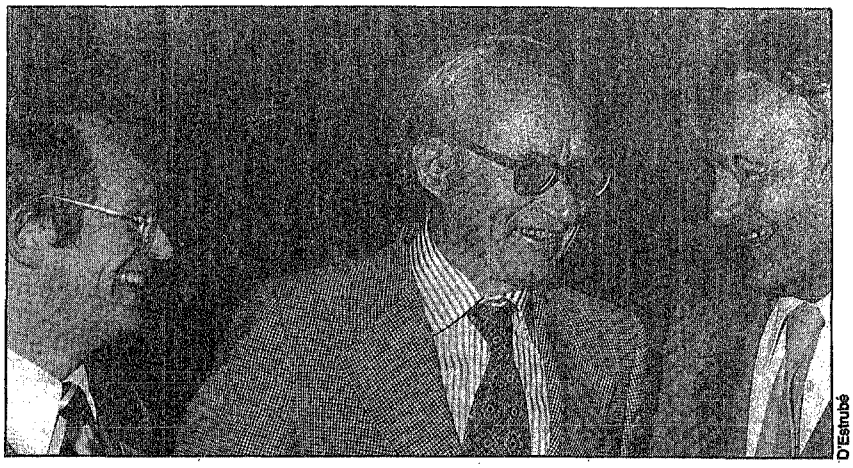
## Creative Writing — A Rewarding Experience

Creative writing can be a rewarding experience — particularly if your efforts come up a winner in the *Chronicle* Creative Writing Competition.

The fifth annual edition of the contest ended with 26 entries to be assessed by a discerning panel of judges: Nicholas Omelusik, head of the reading rooms division of the library; Dr. Jane Cowan Fredeman, senior editor, UBC Press; Eric (Jabez) Nicol, humorist, author, playwright and columnist; and, Trevor Lautens, columnist and editor of Page Five, Vancouver Sun.

During a luncheon at the faculty club in April the judges noted the generally high standard of the entries and awarded the first prize of $200 to Theo Collins, Arts 3, for "Stone Ritual" and $50 prizes to Ingrid Schneller, Arts 4, for "Lisa," Terry Thomas, Science 4, for "The Sacred Deliverance of Rev. Impswell," David Vogt, Arts 4, for "PG" and Dan Bosley, Law 2, a repeat winner, for "Feed...Me...."

The prizes were presented by John Banfield, who chairs the UBC Alumni Fund. The fund provided an allocation of $500 to cover the cost of the prizes and administration of the contest.



D'Estrubé

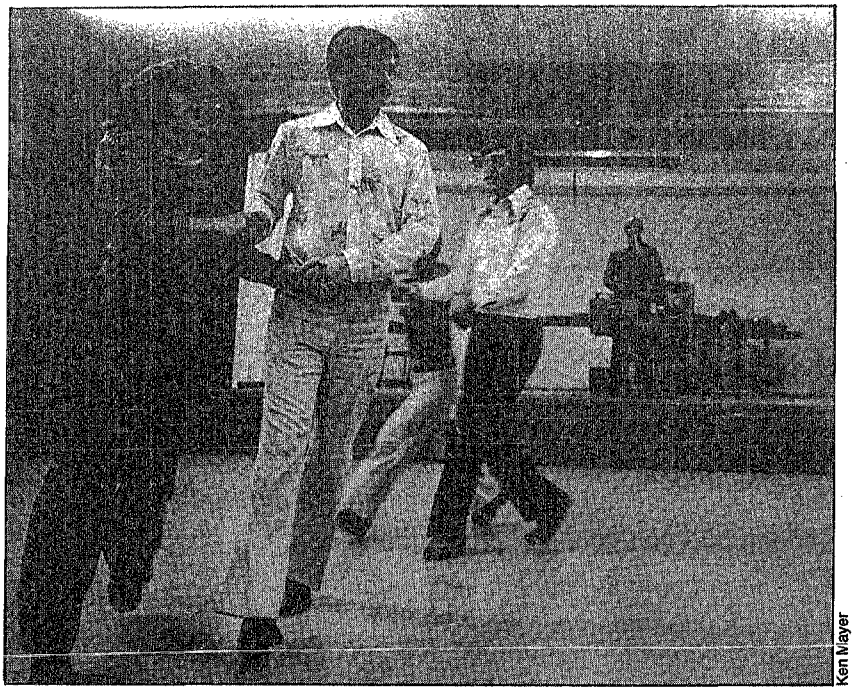
*A reception ended a busy day of meetings with members of the legislature for the alumni government relations committee. (Top) New alumni president, Paul Hazell, (left) chatted with Alex Macdonald, BA'39, NDP member for Vancouver East and Cyril Shelford, SC member for Skeena (right). Grace McCarthy, minister of tourism and provincial secretary was among the guests greeted by the alumni delegation that included Erich Vogt, UBC vice-president for faculty and student affairs (left).*

D'Estrubé

Doug Field

*Hard at work making plans for the 1978 - 79 alumni fund campaign are (above, left to right) Roland Pierrot, who has stepped down after chairing the fund for three years, Dale Alexander, the new alumni fund director, John Banfield, who now heads the fund committee and Allan Thackray, head of the allocations committee that makes recommendations to the board of management on requests for aid from the fund.... Winner of the 1978 Chronicle Creative Writing Competition, Theo Collins (right), plans to continue his writing career under the name of Tauber. His winning short story begins on page 17.*

CJM



Ken Mayer

*Allemande left to your corners all....And an evening of Young Alumni Club square dancing is underway. Other summer YAC programs include sailing, baseball and volleyball. For further information call the alumni office – 228-3313 or drop into Cecil Green Park any Thursday or Friday evening and enjoy a super sunset.*

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## UBC Summer Session of B.C. Seniors

There's an open invitation out for all retired residents of B.C., aged 60 or better, to come to UBC this summer. The academic, cultural and recreational resources of the campus are here to be used in what promises to be a lively, no-cost — to you — summer learning experience. Most classes are for five days in weekly sessions, June 19 to August 28. Enrollment is limited, but late registrations will be taken if space permits. A brochure outlining the courses — everything from gardening in small spaces to earthquake prediction, food and your shrinking budget, to the fascination of detective fiction (Miss Marples, Lord Peter Wimsey and Insp. Van Der Valk have been invited to attend), is available by contacting the Centre for Continuing Education, UBC, V6T 1W5 (228-2181). As in previous years program participants are invited to tea as guests of the alumni association at Cecil Green Park, July 12.

## Wherever You Wander There's an Alumni Home

Summer is acummin....and if your idea of the perfect holiday is to pack those near and dear into the car or onto the back of your bike, and take to the open road, the alumni association has something you might find useful.

It's a list of university accommodations in 22 centers across the country — from P.E.I. to Victoria. The rates are reasonable and the accommodation ranges from Ryerson Institute's Blue Mountain Chalets, to self-contained apartments — ideal for families, to your basic residence single. If you are going further afield the University of Guelph has a residence, across the street from Regent's Park in London, England, where a single room will cost $40 a week.

If Disneyland is your destination — or golf in Palm Springs, the alumni association of the University of California, Riverside, welcomes you to their Alumni Lodge. They promise a central location, comfortable rooms and low rates ($7.95 per day, stay for seven days and you'll be charged for six and kids under 12 staying with their parents are free). A leaflet with further information on how to accommodate yourself is available by sending $1 to cover mailing to the UBC Alumni Association, 6251 Cecil Green Park Road, Vancouver V6T 1X8....

## Ocean-going Alumni

...Welcome aboard. For alumni contemplating the alumni travel program of the Royal Viking Sea's Christmas tour to Mexico and Central America (leaves December 16) a cocktail reception and tour of the Royal Viking Sky (the Sea's sister ship) has been arranged by our travel agent for July 27 at 5:30 p.m. The number of guests is limited to 50. Call our travel agent, Roseway Travel, 926-4344, and let them know that you'd like to get a preview of some of the superb shipboard life.

## Alumni Miscellany

The second annual **Frank Gnup Golf Classic** tees off July 20 at Peace Portal Golf Course. Tom Thomson, #8 - 2375 York Ave., Vancouver (738-5482 or 261-9364) will accept your reservation and $30 entry fee. The fee, which must be prepaid, covers food, refreshments, green fees and prizes. Net proceeds of the event go to the Frank Gnup Memorial Scholarship Fund.... **Recreation** alumni — about 40 of a possible 79 — got together for a breakfast meeting during the Vernon conference of the B.C. Recreation Association in April.... The **home economics** division is sponsoring a nutrition workshop "Facts and Fallacies" at Cecil Green Park, June 5.... Remember those student leadership conferences at Camp Elphinstone? If you do and you'd care to participate and impart a little alumni wisdom to the current generation of campus politicians — or you have student participants to suggest — contact the alumni program office, 228-3313. The conference is scheduled for the weekend of September 29.... After an absence of a few years the annual graduation chicken barbeque returned this year. Sponsored by the association, the new grads are invited to bring their families and friends — for a modest fee — down to dinner at Cecil Green Park after the ceremony and tea.... **UBC librarianship** alumni will be having a division meeting/reception for their members attending the Canadian Librarians Association conference in Edmonton in June.... An interesting footnote to the recent election for chancellor and senate is that we've heard from a great many "lost souls". These are people of whom we had no valid address record, and in every case ("hundreds of them" according to Isabel Gabraith, records supervisor) they were inquiring of the whereabouts of their ballots. It was nice to hear from them. Every effort was made to ensure that anyone notifying the alumni or registrar's office in time was able to get a ballot. You can make the job of our diligent records staff a little easier if you let us know when you move or change your name. Call or write Alumni Records, 6251 Cecil Green Park Road, Vancouver V6T 1X8 228-3313.

Eleanor Wachtel

## Sandra Sutherland

Is credit unionism genetic? The manager of a small credit union and his wife, the president of the Credit Union Foundation of B.C., have a child who grows up to be the first woman director elected to the board of the Vancouver City Savings (twice) and the first woman elected a director of the B.C. Central Credit Union.

Corporate lawyer Sandra Sutherland, BCom'68, LLB'69, admits that she's always been interested in financial institutions and how they operate. So after she became a partner at one of the five largest law firms in Vancouver at the precocious age of 27, it was only natural that she become involved with the credit union board. "Not only do lawyers and professionals have a social responsibility to their community, it also gives you a different perspective in understanding your own clients better."

One board, it would seem, leads to another. After Vancity and the B.C. Central, last year Sandra was appointed to the Vancouver Stock Exchange (their first woman too). But this was not to be just the usual committee work behind oaken doors.

Pitted against the ascerbic columnist Allan Fotheringham, the exchange's fledgling governor-at-large parried scandal-probing questions while the TV cameras whirred. Watching a replay the following morning, Sutherland wasn't sure who had won. She's not a litigator, after all. But she was struck by her video image: very cool, controlled, choosing her words oh-so carefully. "Is *that* me?!"

When she entered UBC at 16, she had little idea what lawyers were like or what they actually did. "I was attracted to the concept of law. I was very interested in the structure of society, and it's law that determines the relationship between people and entities, and of course it's bound up with government."

Studying law was acquiring new knowledge and Sandra thought it stimulating. She took a combined commerce/law option, an exposure to commerce which she found an advantage in studying corporate and commercial law. These are areas conventionally regarded as unglamorous, even dull. But there can be a positively aesthetic satisfaction in drafting a good contract.

"First you learn a lot about each party and their business. Then you have to shape and structure the document to develop a blueprint for the parties to carry on a relationship. You want to streamline things — be a facilitator rather than to raise legal barriers.

"I'm one of the lucky people who enjoy what they do. Many don't discover the activity that does give them that satisfaction."

But she will grant that lawyers are a cautious breed and perhaps her video image was a reflection of that. Certainly she wishes to avoid prolonged exposure to the public eye. For that reason, she shies away from politics.

"I should have told you over the phone," she remarked, "that I won't discuss my private home life [married; no children] or the role of women. Having women in high positions should be normal. I don't like to talk about it."

Yet as the first woman on three, no four — last summer she was appointed a director of the Insurance Corporation of B.C. — boards, she has raised eyebrows. Her devotion to her work and the rounds of meetings has meant that her affection for animals is limited to three cats "who are sufficiently independent to be left on their own." Even her interest in art, B.C. prints especially, has been incorporated into her work. She's behind an art bank acquisition panel of the B.C. Central Credit Union. Her last extended vacation (a week in Hawaii) occurred when she was an articling student. But there are few things about being a lawyer that Sutherland doesn't like. The pressure is dismissed as stimulating; the long hours just part of the job. Particularly attractive is the potential for variety.

"If there's anything bad," she speculates, "it's the public's stereotype of a lawyer: going to a party, saying you're a lawyer, and watching their preconceptions take over." It must be something to see. After all, Sandra Sutherland, quite unselfconsciously, dispels just about every preconception in the book.

*Eleanor Wachtel*

# Spotlight

## 20s

Proof that the family who travels together stays together are **Herbert H. Grantham**, BA'27, MA'34, (PhD, Stanford), and his wife Aimee, who will be celebrating their golden wedding anniversary on June 29, 1978. They spent the first part of their married life in Vancouver where he was a science teacher at John Oliver high school, and the last 20 years abroad with the UN in Indonesia, Jordan, Liberia, Afghanistan and Nepal and most recently with the New York State department of education in Albany and the World University Afloat. They are now enjoying a well-earned retirement in Caulfeild, West Vancouver, as well as gardening, birdwatching and fishing at their summer camp at Grantham's Landing....An award which **H.R.L. (Lyle) Streight**, BA'27, MA'29, (PhD, Birmingham; DSc, Waterloo), will treasure is the Queen Elizabeth II Silver Jubilee Medal, which he received in Montreal where he has retired from his duties with DuPont of Canada. Also presented with a jubilee medal from the secretary of state in Ottawa, **M. Jeanne D'Arc Limbert**, BEd'73, is retiring from 36 years of teaching in the Agassiz-Harrison school district. She received her award upon the recommendation of the school trustees.

## 30s

After 25 years of service to various Calgary volunteer groups, **Zora McNab Smith**, BA'31, has been named the 1977 Citizen of the Year for that city. During her volunteer career she has chaired the residence committee of the Calgary Association for the Mentally Retarded, been president of the Engineering Institute of Canada Wives' Club, was a founding member of the Calgary Residential Services Society (a service for the handicapped), and was president of the Providence Creche Women's Auxillary where she helped introduce a successful physiotherapy program which has since become an essential service to Calgary's handicapped....Another Players Club alumnus moves to center stage in B.C. life. The new chatelaine at Government House in Victoria is **Nancy Symes Bell-Irving**, BA'34. She and her husband **Brig. H.P. Bell-Irving**, the recently appointed lieutenant-governor, first met through the Players Club. Even with the busy vice-regal schedule ahead of them for the next few years she's bound to be able to find some time to play some tennis — an avid player since she was 16 — and practise her yoga....At a wine and cheese party hosted jointly by the Kelowna Chamber of Commerce and the '78 Snowfest committee in January, **Margaret G. McNair**, BA'38, was named "woman of the year." Mrs.

# UBC HOME-COMING '78

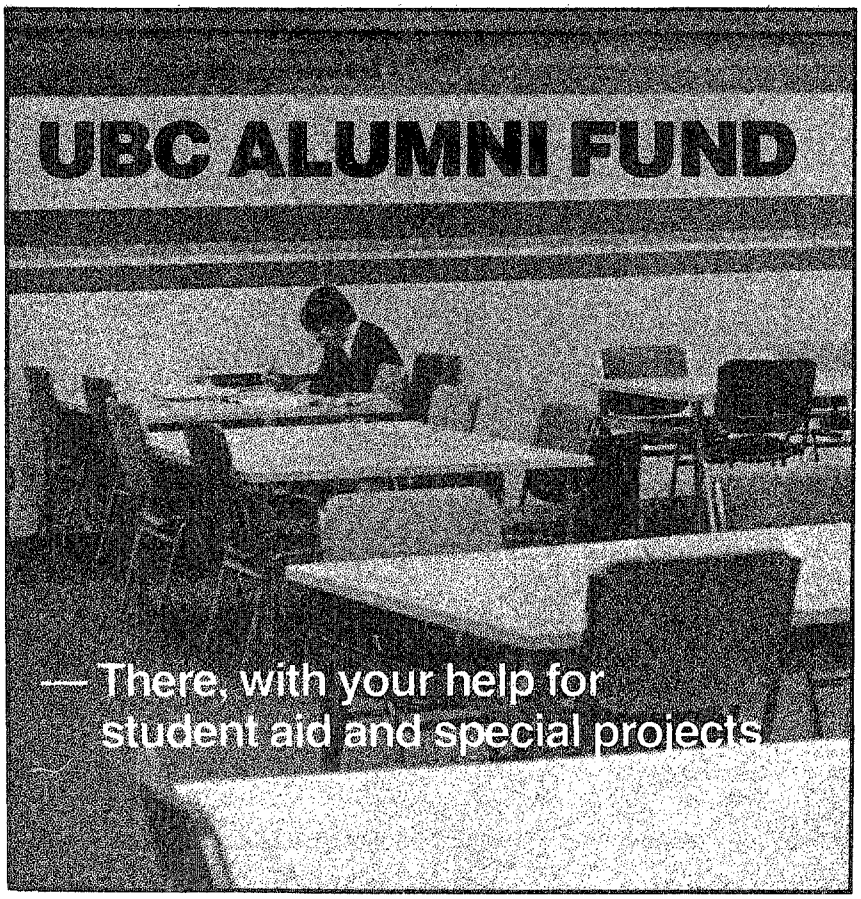
Happy days are here again.... At UBC those are reunion days at

Homecoming '78
October 27 - 29

Everyone is welcome: there'll be open house at Cecil Green Park; the Thunderbirds will take on the Alberta Golden Bears in a football classic; golf tournaments — you name it... Special class reunions for

'33, '38, '43, '48, '53, '58, '63 and '68.

Come On Home — to UBC.


McNair, who chairs the Central Okanagan Social Planning Council, has been instrumental in the formation of a number of new community services in Kelowna such as Advice Service Kelowna, Volunteer Bureau, Crisis Line and the Emergency Shelter. Even with all her volunteer work, she still manages to devote a good deal of time to her hobby, gardening....After 38 year involvement with education in B.C., **Ross Hind**, BA'39, is retiring as director of correspondence education. Hind assumed this post in 1963 after 10 years as assistant registrar in the ministry of education and 12 years as teacher and a principal. Under Hind, the correspondence branch became an integral part of the province's adult education program. His other interests are numerous, ranging from volunteer community work, to gardening and art restoration. As a result, his retirement will not be to rest.

## 40s

The Jacob & Gertrude Narod Scholarship has been established by **Milton Narod**, BSA'40 (MSc, McGill), and his wife, to be awarded to the fourth year agricultural sciences student with the highest third year standing. The scholarship is a memorial to his parents whose four sons graduated from UBC....Lost from the alumni records for quite some time, **Gordon A. McMillan**, BASc'41, is a mining engineer for a uranium firm in Grants, New Mexico. Because of his family's fondness for travel, his wife, Olivia, has established the Holiday Home Exchange Bureau, Inc. whereby vacationing families can avoid the unpleasant aspect of living out of a suitcase while at the same time feeling confident that their own home is in good hands. (See the advertisement in the Chronicle Classified.)...Now making his home in Baden, Switzerland, **Norman Coleopy**, BASc'45, is employed by the power generation division of Brown Boveri and Co. For the past nine years he has been with Sandwell and Co. in Zurich as senior design engineer....A rather controversial figure in the eyes of some commissioners and members of the public, **Stuart S. Lefeaux**, BASc'45, has retired as Vancouver's parks board superintendent. Lefeaux is recognized as one of the most efficient parks administrators in Canada, and as a result has received two appointments to the national commission which oversees Ottawa's beautification. Lefeaux joined the parks board in 1945.

**Paul T. Cote**, BA'47, BASc'48, (MBA, SFU), has been elected chancellor of Simon Fraser University for a three-year term. He is past chair of the SFU board of governors....Victoria lawyer, **John C. Cowan**, BA'48, LLB'49, has been appointed a judge in Vancouver county court. Cowan has been a member of the Victoria police board for several years....Well qualified for his new position as assistant secretary general of the United Nations, **Gordon K. Goudrey**, BA'48, (MA, Toronto), has been involved with international development programs since 1960. He has undertaken advisory missions to more than 2 countries in Africa, Asia, the Caribbean and the Pacific, and more recently has been special economic advisor and director of the technical assistance group of the Commonwealth Secretariat in London....The National Council of Teachers of English has appointed **Joan L. Johnson Pavelich**, BA'48, BEd'58, MA'64,

Jeanne Limbert

Walter Leverton

Dru Anderegg

its committee on technical and scientific writing. She is a senior instructor with UBC's department of English.

# 50s

**Walter F. Leverton,** PhD'50, (MA, Sask), has been elected group vice-president, development, with the Aerospace Corporation in Los Angeles....**Clive Miller,** BA'51, LLB'52, has been appointed Queen's Counsel in Manitoba. Miller served on the Portage la Prairie city council and was solicitor for the Canadian National Railway from 1953 to 1962....After two years as Red Cross disaster chairman, overseeing Red Cross emergency committees in his area, **J. Gordon Squire,** BPE'51, is now the president of the B.C.-Yukon Red Cross. During and after studies at UBC, his work in the recreation field led him into volunteer work with the Red Cross water safety service. "I became sold on the work of the Red Cross and the principles it stands for," he recalls....After 20 years with Atomic Energy Canada, **Dugald Griffin,** BASc'52, has retired as head of the reactor physics for research reactors section at Chalk River nuclear laboratories. He joined AECL in 1957 as an intermediate supervisor in the reactor opeations division and transferred to the reactor physics branch in 1967.

Colonel **Neil A. Robertson,** BA'52, has moved to London to take up his new duties as military attaché at the Canadian High Commission. He was formerly base commander, CFB Chilliwack....**Eric W. Mountjoy,** BASc'55, (PhD, Toronto), was guest speaker at the February meeting of the Montreal Lakeshore University Women's Club. A professor of geological sciences at McGill University, he was well qualified for his topic: "Energy Resources — Understanding Them and Living Within Their Limits." He has spent much of the past 17 years mapping ancient carbonate reefs and other rocks on and adjacent to the Rocky Mountains, looking for deposits of oil and gas. The Captain Cook Bi-centennial is being celebrated by the Nanaimo Historical Society with a Wedgewood plate — showing a profile of Captain James Cook. Former editor of the UBC Alumni *Chronicle*, (1963-67), **Elizabeth Blackie Norcross,** BA'56, was one of the moving spirits behind its inception.

Southern Saskatchewan has a new Anglican bishop: **Michael G. Peers,** BA'56, was consecrated bishop of Qu'Appelle late last year. Attending the ceremony were **Edward W. Scott,** BA'40, Primate of the Anglican Church of Canada; **Douglas A. Ford,** BA'39, bishop of Saskatoon; and Canon **James H.H. Watts,** BA'37, now retired and living in Moose Jaw....Past associate director of the United Way of Greater Vancouver, **Dru Anderegg,** BA'57, MSW'76, is the newly-appointed executive director of B.C.'s Elizabeth Fry Society. Innovations brought about by the society, whose concern is for the care and treatment of women lawbreakers, are now being recognized across Canada....A member of the business faculty of Queen's University since 1975, **John R.M. Gordon,** BA'57, BASc'58, (MBA, Queen's; PhD, MIT), has been appointed dean of the school of business at that university. Gordon has also taught at the Royal Military College of Canada, the Massachusetts Institute of Technology, University of Western Ontario and IMEDE, an institute for management studies in Switzerland....**David L. Helliwell,** BA'57, has resigned as president from Steel Brothers Canada Ltd. to accept the new appointment of first president and chief executive officer of the British Columbia Resources Investment Corporation. **Allan D. Laird,** BASc'58, director and consultant to Steel Brothers Canada Ltd., has recently been appointed to chair the board of the company.

The new director of hospital planning for the Greater Vancouver Regional District is **Michael M. Walker,** BA'57, who is also a clinical instructor in the faculty of medicine at UBC....**Paul E. Jarvis,** BSF'58, has been appointed as Manitoba's deputy minister of northern affairs and renewable resources and transportation services. Jarvis has an extensive background in resource and environmental planning, and road and transport development in remote areas. He was recently employed by Arctic Gas and Foothills Pipeline Limited as a consultant on environmental impact and northern road construction associated with the Mackenzie Valley and Alcan pipeline routes.

# 60s

**Sidney E.C. Fancy,** BA'60, is the City of Vancouver's first economic development officer. His two main tasks will be to arrest the flow of industry to the suburbs and to help the existing industry in Vancouver. Fancy's experience in promoting industry was gained in Saskatoon where he was that city's economic coordinator....**T. Michael Apsey,** BSF'61, is the newly-appointed deputy minister of forests for B.C. For the past 18 months he has helped rewrite B.C.'s forest laws. He has been a consultant of forestry projects in Africa, South America, the Middle East, Turkey and throughout Europe and North America.... **Dennis Holden,** BSF'61, will be directing the development and implementation of a two-year 'renewable resource technology' technician training program in the Northwest Territories over the next three years under a contract between B.C.'s Selkirk College and the N.W.T. department of education. Base of operations will be Fort Smith with field instruction taking place at many locations in the Northwest Territories.

The windiest place in Canada is not Ottawa but Havre-Aux-Maisons, Quebec. Who says so? **Peter South,** BASc'61, who has been conducting windmill experiments for 11 years under the auspices of the National Research Council. A wind of 51 kph churns out the equivalent power of a 270 horsepower engine — enough to make Don Quixote think twice about tangling with this re-discovered source of energy....A new appointment with the government of Manitoba belongs to **Dale Stewart,** BSF'61, who has moved from Winnipeg to Thompson where he will be assistant deputy minister for both northern affairs and renewable resources....**J.A. Warner Woodley,** BCom'61, has been appointed vice-president, administration and engineering, Ontario division of Inco Metals. His new position will take him and his family to Sudbury.

Vancouver lawyer, **Walter J. Boytinck,** BCom'63, LLB'64, refused to stand up and be counted in 1976 and now, in 1978, is having to pay for his principles. In an effort to combat the growing complications of bureaucracy, he refused to fill out the 1976 federal census form and in January began facing charges laid against him under federal law. His stand against bureaucracy cost him time, effort and money, but he says he would do it again if necessary. The charges came as a surprise to Boytinck, but, as he put it, "I guess they have their principles too."....April 1 saw **Marilyn Hobson Sharp,** BHE'64, assume her duties as a member of the new board of governors of Olds College, Alberta. With the introduction of the board, the college becomes self-governing....**Ken Horodyski,** BEd'64, is public affairs manager, for Vancouver Island, for B.C. Telephone. After graduating from UBC he pursued his teaching career in Burnaby and

Melbourne, Australia. He joined B.C. Tel 10 years ago and has worked in public and community relations in Vancouver and Prince George.

A follower of Alfred North Whitehead, the British mathematician, educator and metaphysical who developed the concept of 'process theology', UBC chaplain **George Hermanson,** BA'64, (BD, Chicago), is spending a sabbatical at the School of Theology at Claremont, California. It is the school of John Copp Jr., one of the foremost Whiteheadian theologians. Hermanson is a former member of the UBC board of governors. Replacing him for an eight-month appointment, beginning in August, is **Barbara Blakely,** BA'69. She attended Chicago Theological Seminary where she received her doctor of ministry, and in 1977 she was ordained as a deacon of the Episcopal Church....Senior editor with the Vancouver *Sun*, **Dave Ablett,** BA'65, has been awarded a 1977 National Newspaper Award for editorial writing. One of eight recipients in the annual Canadian competition, Ablett's award was based on his style, clarity, persuasiveness and the originality of opinions expressed. Another member of the *Sun's* staff and *Chronicle* contributor, **Timothy C. Padmore,** BA'65, has also received an award. He has been named co-winner of the Ortho award for medical writing (sponsored by the Canadian Science Writers Association). Padmore's winning stories concerned the Laetrile controversy and features on death and pain...."Court Stars" is the name — and racquet sports the game — of a new shop in West Vancouver, presided over by **M.L. (Chrys) Chrystal McQuarrie,** BCom'65, who is currently president of the commerce alumni division. The object of the exercise is to provide smashing ensembles for female players of racquet sports.

Proving that printer's ink is thicker than blood, or in this case, the same thing, **Stephen M. Brown,** BA'66, continues the tradition established by his great-grandfather. Stephen, with his wife Maureen, are the editors/owners/publishers of Vancouver's *Herald and Times*, a bi-monthly publication serving the Kits-Bayview area of the city. The newspaper is the successor to the *Vancouver Herald*, the city's first newspaper established January 15, 1886....**Colin Campbell,** MA'67, (MA, Aberdeen; PhD, Bristol), is the director of the newly-created fitness and recreation branch of B.C.'s department of recreation and conservation. The new branch includes all provincial government activities in outdoor, community recreation, sports, and fitness....**Jubalay** (Canada's Vancouver-originated hit musical of several years ago) has metamorphosed, on Broadway, into *A Bistro Car on the CNR* courtesy of **Patrick Rose,** BA'67, who wrote 15 new songs out of the show's 23 (the remaining eight survived from *Jubalay* written by Rose and Merv Campone). Clive Barnes calls the new show "chic and homespun."...**William C. Garriock,** BCom'68, (MBA, Northwestern), has been elected to chair the Proprietary Association of Canada. The association represents the manufacturers of non-prescription medicines. Garriock is president of Miles Laboratories and lives in Toronto....Assistant to the UBC dean of women since 1973, **Nancy West Horsman,** MA'69, has been presented with an honorary Big Block award for her "outstanding contribution to athletics." Since 1973, she has represented the dean's office on UBC's Women's Athletic Committee. Her life-time

Janet Sprout

connection with sports has included six years (1950-56) as a sports reporter with the Vancouver *Province*....Newly promoted division petroleum engineer, **W. Neil McBean,** BASc'69, was transferred to Lafayette, La., offshore division of Tenneco Oil Company from the Gulf Coast Division, Houston. McBean joined Tenneco in 1969.

# 70s

**Barbara Fulton Bodien,** BA'70, MA'75, is now living in Ottawa where she works for the MOT as a bilingual airport planner....**Arpad E. Torma,** PhD'70, has moved from Quebec City to Socorro, New Mexico, where he is professor of metallurgy at the New Mexico Institute of Mining & Technology....Currently teaching voice at McGill and Vanier College, mezzo-soprano **Joanne C. Bentley,** BA'71, BMus'73, also performs with the Tudor Singers of Montreal. She graduated from UBC as a Woodrow Wilson Fellow in 1971, and has since obtained masters degrees in musicology and in voice performance, from McGill....The American Association of University Presses has bestowed an aesthetic design award on a book co-authored by **John Veillette,** BA'71, and published by UBC Press — *Early Indian Village Churches: Wooden Architecture in British Columbia*.

**Michael M. Micko,** PhD'73, now makes his home in Edmonton, Alberta. He is assistant professor in wood science/engineering, faculty of agriculture and forestry at the University of Alberta....**Hugh Miller,** PhD'73, (BSc, MSc, Memorial), is a geophysicist of the energy division of the Newfoundland department of mines and energy. He has been actively involved with geophysical studies related to Newfoundland since 1967, and in his new position, will be responsible for the assessment of geophysical data provided to the government under the new petroleum regulations. He will also be responsible for liaison between the provincial and federal governments in the geophysical field....**Sandra E. Smith,** BEd'73, is public relations officer for B.C. Hydro where she looks after the transportation group, which includes all greater Vancouver and Victoria bus transportation, Pacific Stage Lines, Grey Line Tours and the new Sea Bus. Her background is in print media, with a stint on the *Ubyssey* and a summer with the Vancouver *Province*.

**David Mattison,** MFA'74, MLS'77, is librarian at Columbia College in Vancouver

Allan Laird

....One of Nanaimo's newest lawyers is **Susan Ruttan,** LLB'76, (BA, Queen's), who is the daughter of the resident judge of the supreme court in Victoria, **Jack G. Ruttan,** BA'33....After furthering her education in Bristol, England, **Nicole Cavendish,** BA'77, has returned to Canada, where, in Vancouver she played in Shakespeare's *Twelfth Night*, produced by the Vancouver Playhouse in March....A recent convert to the union life is **Janet Sprout,** BA'77, an employee of Tasco Telephone Answering Exchange. Instrumental in bringing unionization to Tasco, she has been fired and re-hired, and says that she now finds herself fighting misconceptions about unions at home and among her friends.

# Weddings

**Harrigan-White.** Robert Wayne Harrigan to Janet Elizabeth White, BEd'73, February 2, 1978 in Reno, Nevada.

# Births

**Mr. and Mrs. Stuart W. Allan,** BASc'72, MBA'74, (Heather May Brewster, BSc'73), a daughter, Laurie Sharon, March 11, 1978 in Campbell River, B.C....**Mr. and Mrs. Ian David Foster,** BASc'68, a son, Martin François, September 12, 1977 in Chicoutimi, P.Q....**Mr. and Mrs. Russell G. Fraser,** BASc'58, (Jane Fulton, BHE'69, BEd'78), a daughter, Lila Isobel, September 16, 1977 in Vancouver. Also: Sarah Jane, January 17, 1975; Amy Barbara, January 18, 1973; and, Jean Andrea, June 26, 1971, all in Vancouver ....**Mr. and Mrs. R. Peter Kellas,** BSF'70, (B. Diane Prittie, BHE'71), twins, Brent James and Wendy Jean, March 21, 1978 in Port Alice, B.C....**Dr. and Mrs. Reg A. Olson,** BSc'68, PhD'77, (MSc, Western), (June Pendergast, BEd'68), a daughter, Laura June, March 23, 1978 in Edmonton....**Mr. and Mrs. Robert A. Paterson,** BCom'68, MBA'69, (Jan Van Druten, BEd'70), a son, Robert William Scott, March 3, 1978 in Burnaby....**Mr. and Mrs. Alec John Scott,** (Josephine Stacewicz, BA'66), a son, Byron Stacey, February 15, 1978 in Comox....**Mr. and Mrs. Richard Tarrell (Terry) Steinhoff,** MSc'75, (Virginia Foswell, BRE'73), a son, Matthew David, Feb-

24, 1978 in Littleton, Colorado....**Dr. and Mrs. James A.R. Stiles**, BSc'68, (Shonet Mc[illegible]cod, BA'66), a son, David James, April 28, 1978 in Vancouver....**Mr. and Mrs. Rod[illegible] Stringer**, BSc'76, (Sheila Chadsey, B[illegible]), a daughter, Erin Anne, December 1, 19[illegible] in Invermere....**Mr. and Mrs. Duane Zil[illegible]** BASc'70, (Gwen Smith, BA'68), a son, Stu[illegible] Wellesley, September 1, 1977 in Toronto.

# Deaths

**Genevieve (Viva) Martin McPhee**, BA'18, November 1977 in Melbourne, Australia. After graduation, she worked in the industrial chemical field in Canada, New York and Europe. Eventually she made her home in Melbourne where she worked as a dietician. Survived by her husband, a daughter and three grandchildren.

**Hugh Mackenzie Morrison**, BA'30, (MA, PhD, Clark), April, 1977 in Lac La Hache. Educator, civil servant and community worker, he came to Canada in 1913. After graduation, he taught, and in the 1930s, was principal of high schools for Prince Rupert and Upper Islands districts. During W.W. II, he worked in Ottawa, preparing and administering courses of study for the armed forces. After the war, he chaired, for over 20 years, the Civil Service Commission in Victoria until his retirement in 1970 when he returned to the Cariboo. Early this spring, he was named "good citizen of the year" for the Lac La Hache community. Survived by his wife (Isobel W. Barton Morrison, BA'26), a son, a daughter and two brothers.

**Geoffrey B. Riddehough**, BA'24, MA'39, (MA, California; PhD, Harvard), April 1978 in London, England, while on holiday. One of the Fairview graduates, he received the Governor-General's gold medal as head of his graduating class. After three years teaching at the University of Alberta and one year as an instructor in classics at UBC, in 1933 he joined the UBC faculty and was a member of the classics department for the next 38 years. Master of several modern languages as well as Latin and Greek, he was the author of many learned documents. *Chronicle* readers may remember his contributions of light verse, some of which are contained in the collection *Dance to The Anthill*, (Discovery Press, 1972). Hidden away among the limericks and poems of wit and "intellectual rapier work and the abiding sense of human absurdity" are ones of a more serious and personal nature:

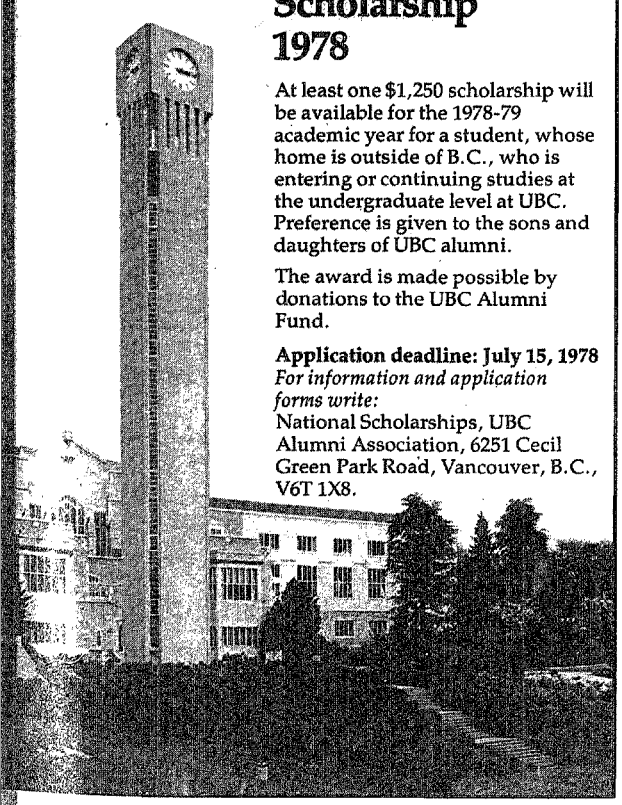
*Lucis ante terminum*

*I ask one favour, Lord: may I*
*Not overrun my time to die!*
*Before I reach senility,*
*Stop these my pulses suddenly*
*By fall or fever, while I yet*
*Have funds to cover every debt.*
*Let me not live to hear men say,*
*"How the old fool gets in the way!"*
*Let no important hard young things*
*Turn, wolfish, on my dodderings.*
*Surely, by now, omniscience*
*Has learnt, from all the evidence,*
*That being here unwanted, Lord,*
*Is something no one can afford.*
*So comfort me by staff or rod*
*With one quick stroke of mercy, God!*

*– Geoffrey Riddehough*

**Gerald Edward White**, BSA'40, December 1977, on Maui, Hawaii while on holiday. He attended Victoria College and Craigdarroch before entering UBC. Following graduation, he served with the RCAF for five years as flight lieutenant. After the war he was manager of Green Valley Chemical Company and then western Canada branch manager for Ortho Agricultural Chemicals before joining the international division of Monsanto Company, Missouri. During his career with this company, he lived in Hong Kong, the Philippines, Africa and India. Survived by his wife, two daughters (Janet White Harrigan, BEd'73; Judy White Killeen, BEd'67), a son (Murray White, BEd'72), two sisters and a granddaughter.

**Iris Grace Harris Young**, BA'39, September 1977 in Calgary, Alberta. She taught at Chilliwack High School for two years before her marriage. She was an active volunteer worker and participated in the United Church Women for Trinity United Church, Edmonton, in the Boy Scout Organization and the Calgary Lung Association. Survived by her husband (John Walter Young, BASc'39, MASc'48), three sons (Stuart Young, BSc'73), a daughter and one grandson.

**UBC Alumni Association**

## National Scholarship 1978

At least one $1,250 scholarship will be available for the 1978-79 academic year for a student, whose home is outside of B.C., who is entering or continuing studies at the undergraduate level at UBC. Preference is given to the sons and daughters of UBC alumni.

The award is made possible by donations to the UBC Alumni Fund.

**Application deadline: July 15, 1978**
*For information and application forms write:*
National Scholarships, UBC Alumni Association, 6251 Cecil Green Park Road, Vancouver, B.C., V6T 1X8.

## A Postie's Lot Is Not A Happy One . . .

Specially, when he brings the Alumni Records Department bags of Alumni 'Unknowns' . . So if you're planning to change your name, address or life style . . . let us know — and bring a little lightness to a postie's walk. (enclosure of your Chronicle mailing label is helpful)

**Alumni Records**
**6251 Cecil Green Park Road**
**Vancouver, B.C. V6T 1X8**

Name .....

(Maiden Name) .....
(Indicate preferred title. Married women note husband's full name.)

Address .....

.....

..... Class Year .....

# Chronicle Classified

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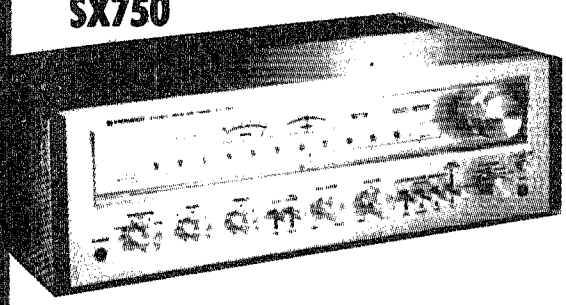

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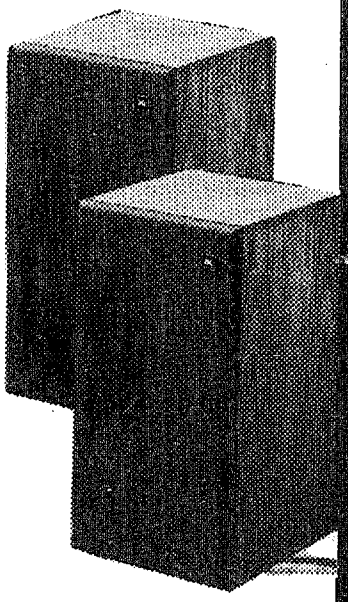

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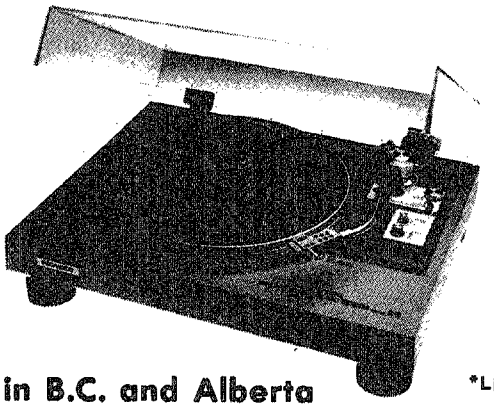

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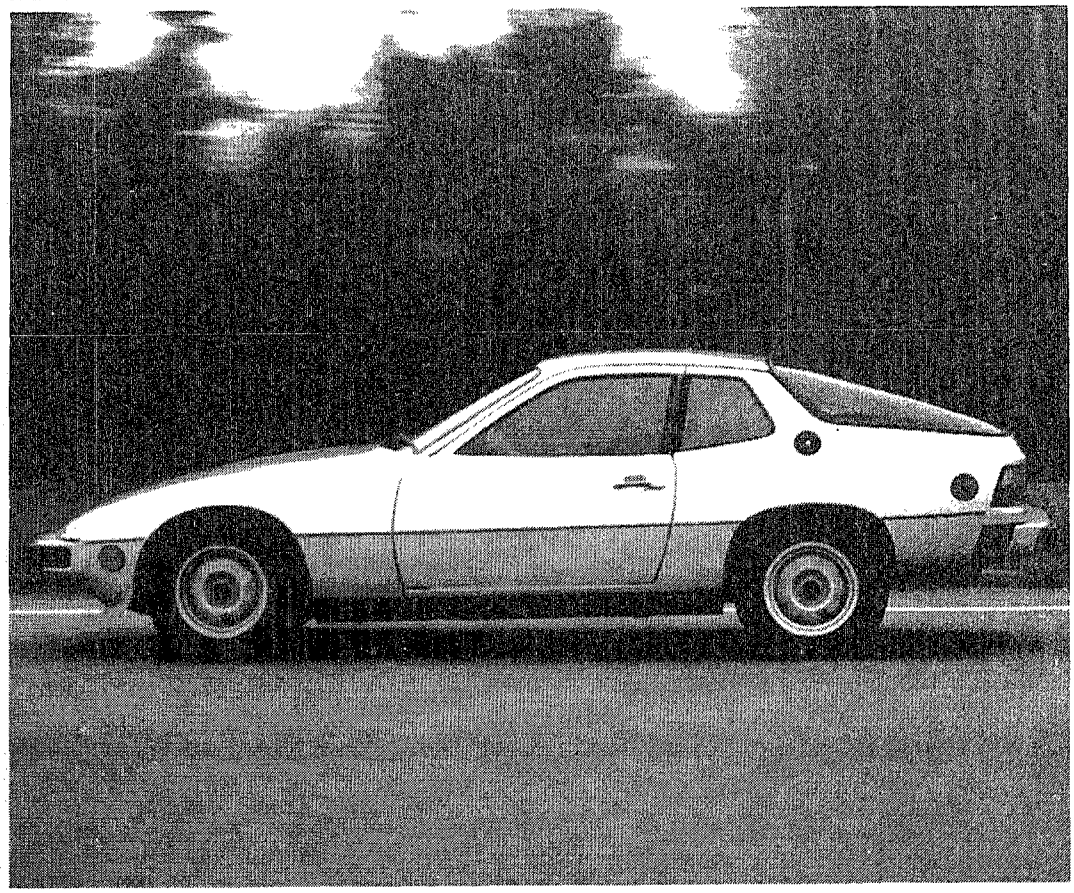

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