

CHRONICLE

UBC ALUMNI CHRONICLE • AUTUMN '82

TREK



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Volume 36, Number 3, Fall 82

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Features

UBC Reports

**From Brahms to Body imaging —
UBC brings you campus
developments — page 16**

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TREK 82

Cover Story

Sardines on the march — page 8

Trek '82
The spirit of '22 lives — page 10



Pranks to pulp mills
UBC's engineers on the move
— page 10



How Russia came to U.B.C.
— page 14

Editorial

Something has happened to this university — something not easy to describe — and yet something which should receive mention here.

So said the *Ubysssey* on Nov. 2, 1922, simply understating the events of a landmark week in UBC's history.

In 1922, UBC's 1,176 students were housed on the Vancouver General Hospital grounds, with classes held in tents, shacks, attics and a church basement. While land had been set aside for the university on Point Grey in 1911, nine years later all that existed was the skeleton of the future science building.

Students decided to take matters into their own hands.

So began the campaign known as the Great Trek, in which the university and the community joined forces and marched across the city to Point Grey, visibly demonstrating support for higher education. The campaign culminated with a student delegation swamping the speaker of the provincial legislature with petitions signed by 56,000 people.

A week later the then Premier John Oliver announced a \$1.5 million grant to build UBC.

Then, as now, there was a general perception that the provincial government was attempting to balance its budget on the back of higher education. So, in 1982, on the 60th anniversary of

the Trek, students and alumni will be joining forces to march again in support in higher education.

No doubt the question of finances will be on our minds in 1982 as it was in 1922, but most of all, the Great Trek this fall will acknowledge the inestimable value of having a university such as UBC in our midst.

All universities worthy of the name must do many things: train professionals, undertake research and innovation, and expand the horizons of knowledge. Finally, universities must enable graduates to make mature, reasoned judgements on their own lives and the world around them. It's a vital role, transmitting human knowledge and culture from one generation to the next.

UBC has an extraordinarily good record in each of these areas. The first Great Trekkers can take justifiable pride in providing B.C. with a first-class university.

We celebrate these achievements. And we challenge students, alumni and administrators with the thought that the Great Trek continues. Not for more buildings — but for the intellectual and financial resources that are needed to help build a better and more effective community.

Our modern world seems remarkably fragile, enmeshed in political, economic and military escapades that threaten our communal future. Creative, innovative and disciplined thought for tomorrow offers our only hope. If this does not happen in our universities, it is unlikely to take root elsewhere. What better university to begin this Great Trek than UBC?

Alumni gather at Summer College

Steve McClure

Picture yourself on a beautiful summer day at Cecil Green Park. The deep blue waters of the Strait of Georgia, the misty grandeur of Bowen Island blending into the Sechelt peninsula. A place to forget everyday concerns, renew old friendships, establish new ones.

Hardly the kind of setting to hear dark forebodings about imminent economic disaster.

But that, to a large extent, is what a group of 37 UBC alumni did hear during the first annual Alumni Summer College, held at Cecil Green July 27-31.

Entitled "Money: the implications of wealth," the college focussed on the state of the economy, a depressing topic in these times. Yet that did not dampen either the enthusiasm or enjoyment of participants, who came from all over North America. The general reaction was that the college — a unique, four-day social, cultural and residential program — was "very enjoyable." It was sponsored by the alumni association, the first ever to be held in Canada.

In marked contrast to the serene setting, speaker after speaker brought home the grim realities of our economy. Eugene Nesmith, president of the Hongkong Bank of Canada, summed up the week's theme: "Our current economic model can't sustain a continuous improvement in the quality of life and standard of

living.

"Canada has been living beyond its means and the day of reckoning is at hand."

Heavy stuff indeed, but his words along with warnings from UBC's Dr. Bill Stanbury, struck a responsive chord.

"The forecasts here have been rather dour," commented Ralph Goodmurphy, BCom'48, of New York. But that didn't spoil his stay. He told the Chronicle he was impressed with the college lectures and discussions. "I would definitely be in favor of coming again."

What can alumni look for at next year's college? The topic is 1984 and the implications of the computer revolution.

This year's college, the first ever, exceeded expectations, says alumni president Grant Burnyeat.

"It was impressive to see grads from so many faculties, from all across the continent. The universal feedback was that the (Herb) Capozzi speech was super, and the Nesmith address was first class."

Burnyeat added he was pleased at the response. "This is the sort of thing the alumni association should be doing more of."

*Steve McClure, a former *Ubysssey* reporter, now writes for the Vancouver Courier.*



Sporting his chef's hat for the occasion, Blythe Eagles and his wife Violet welcome guests to the reunion of the class of '21, '22, held in July at their Burnaby home. The Eagles served a three-course, home-cooked hot dinner to some 47 classmates, friends and faculty. A good time was had by all.

Recent reunions . . .

The Fort Camp reunion in early July was an enormous success, with several hundred people from all over B.C. attending. Many reminiscences exchanged . . .

Other reunions held this summer included the classes of: '21 & '22 - at the Blythe and Violet Eagles home in Burnaby, B.C.; the class of '25 and 1927. Home Economics, 1952, also gathered . . .



Enjoying one of the college's communal suppers are (left to right) alumni college chair Joanne Ricci, UBC vice-president Dr. Michael Shaw, alumni executive director Dr. Peter Jones, treasurer John Henderson, Eugene Nesmith, president of the Hongkong Bank of Canada, Margaret Jones, Kyle Mitchell and alumni president Grant Burnyeat.

Reunions '82

Homecoming

Class of '57

(all faculties)

Oct. 23

Pharmacy '72

Sept. 18

Class of '32

Oct. 2

Agriculture '72

Oct. 22

Chinese Varsity Club

Feb. '83

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Benefactors and beneficiaries

More students than ever will be applying for aid this fall, predicts Alumni Fund director Allan Holender.

"We're asking alumni to remember what it was like when they were students — and how many had a financial struggle just to attend school," he says.

"We'd like alumni to become benefactors, instead of just beneficiaries."

The Alumni Fund launches its annual campaign this fall with projects such as student aid and bursaries at the top of the list.

"We need \$105,000 just to meet the standing commitments of our scholarships and awards.

"It's important to give, no matter how small the gift. If every grad just gave \$10, think how much money we could put into student aid and special projects."

There is a wide range of special projects assisted by the Alumni Fund. One is the Summer College for the Retired.

1982 is the last promised year of funding by the university for the popular program. So the retired students and the Alumni Fund will be raising money to endow the Summer College.

There's the endowment fund for the graduate School of Audiology and Speech Sciences. The school is trying to raise up to \$1 million to endow scholarship and bursary funds and two new teaching positions.

"We've helped the school of Social Work establish a bursary fund," says Holender. And chemical engineering with field trips; native Indian students in teacher-training; International House — the list goes on.

Alumni gifts are important both to students and to the university. One suggested way is for certain classes, or years, to support a particular endeavor.

Adds Holender: "Every gift counts."

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Vancouver Institute

Whether it's the rhythm of the 20th century as seen through its music, or matters unexplained by science, The Vancouver Institute's Fall Program of Lectures once again deals with challenging and controversial topics.

For the past year, the alumni association has taken care of administrative duties for the Institute.

Topics for the evening lectures at the Woodward Centre, are:

- Sept. 25 **Sir Rex Richards**, Warden, Merton College, Oxford. "Nuclear Magnetic Resonance Spectroscopy: A New Window on the Human Body — Medical Applications." A Cecil and Ida Green Visiting Lecturer.
- Oct. 2 **Dr. L. Jolyon West**, Head, Dept. of Psychiatry, U.C.L.A., "Violence".
- Oct. 9 **Prof. Melvin Calvin**, Dept. of Chemistry, Berkeley, and Nobel Prize winner. "Energy: Growing and Engineering Hydrocarbons."
- Oct. 16 **M. Jacques Hébert, Q.C.**, Founder and President of Canada World Youth, Montreal. "Canadian Youth and the Developing World."
- Oct. 23 **Dr. Charles Rosen**, Pianist, New York, "Rhythm and the Passage of Time in the 20th Century." A lecture with music.
- Oct. 30 **Dean Peter T. Burns**, Faculty of Law, UBC. "The State of Privacy in Canada: Was Orwell Right?"
- Nov. 6 **Dr. Clark Kerr**, Director, Institute of Industrial Relations, Berkeley. "The Future of Industrial Society."
- Nov. 13 **Dr. Lewis Thomas**, Chancellor, Memorial Sloan-Kettering

Cancer Center. "Matters Unsettled by Science." A Cecil and Ida Green Visiting Lecturer.

- Nov. 20 **Dr. Peter Meekison**, Deputy Minister, Federal and Intergovernmental Affairs, Alberta. "Whither Western Canada?"
- Nov. 27 **Gerald Haslam**, Publisher, The Province. "Newspaper Publishing: Truth or Profits?"

The China Spider weaves a winning web

A third year Arts student took first prize for original fiction in this year's Chronicle creative writing contest.

June Harrison, who wrote "The China Spider," won the \$300 top honors in her first attempt at having a story published. As she says: "The excitement for me is the fact that I have actually got down to the business of sending it out."

There were 29 entries in the ninth annual Chronicle competition. Sharing the \$200 second prize were Tyler Felbel, Arts 2, for "Seed Season Blues," and Gordon Cavenale, Arts 3, for "Suspended in the Night." In third place were "An Afternoon" by Melanie Higgs, Arts 3, and "Eski Hisar" by Maggie Weaver, Rehabilitation Medicine 3. They each received cheques for \$50.

Communications Director appointed

It's off to Burnaby mountain for our former alumni communications director, Susan Jamieson-McLarnon. In July, Susan became the assistant director of University News Services at Simon Fraser, after many years service with the alumni association. She joined the alumni staff in 1967 as editorial assistant for the Chronicle, becoming editor and communications director in 1974. During her tenure, the Chronicle flourished, maintaining a standard of excellence matched by few other alumni publications in Canada.

Succeeding Susan as communications director will be Anne Sharp, publications editor for B.C. Central Credit Union. Anne, a former communications assistant for the Teachers' Investment and Housing Co-operative, is a graduate of Lakehead University. She joined B.C. Central as a copywriter, shortly after becoming associate editor of publications. Two years later she was appointed editor, a post she has held for the past four years. The alumni association welcomes her to the staff at Cecil Green.

Divisions . . .

Mike Partridge, chairman of the divisions council, reports "great progress since the establishment of the council last year. Plans are underway to form nine new divisions in the coming year."

Executive members of the council are: Mel Reeves (fund); Lyle Stevenson (new divisions); Anne Wicks (reunions) and Joanne Ricci (communications).

Fall forums

A series of free public forums on controversial topics will be held at Cecil Green Park this fall.

Topics range from "Tenure" to the question of the "University as technical school." Guest speakers will be prominent university or business people.

The forums will be held on Thursday evenings starting at 7:30 p.m., and will feature tea, coffee and a no-host bar.

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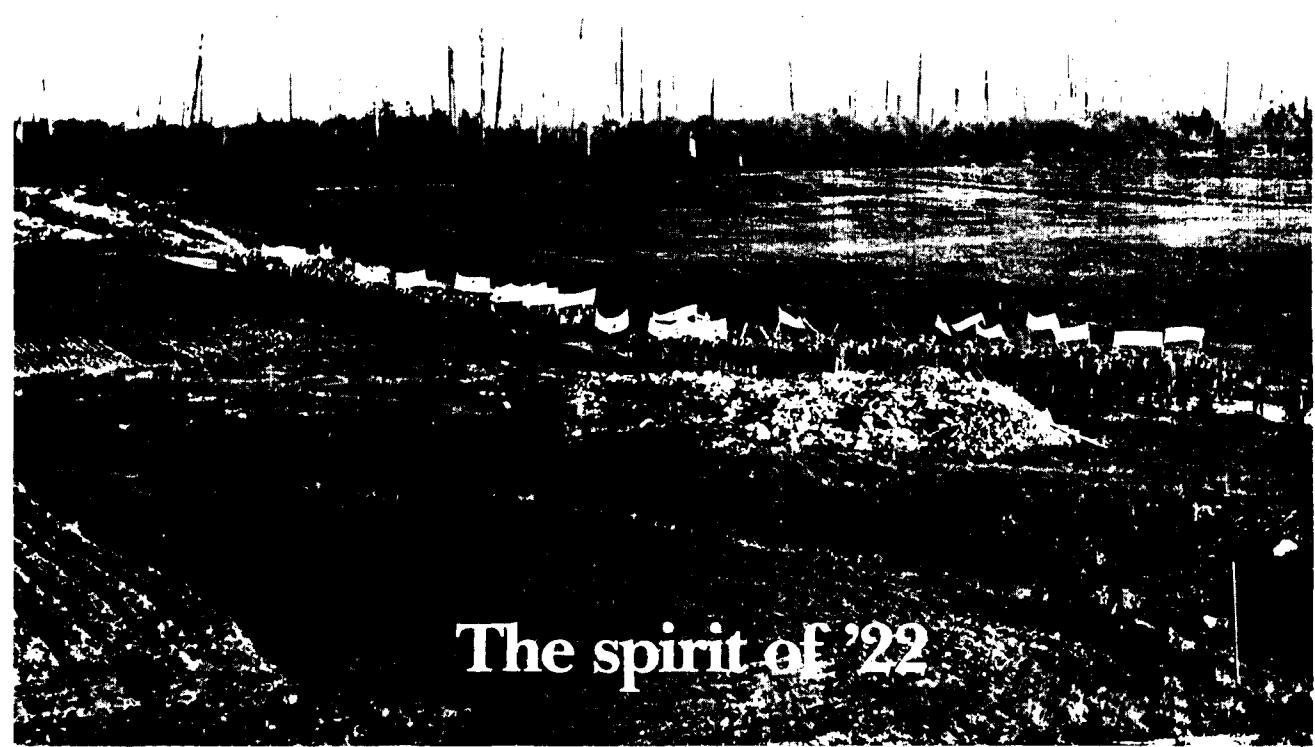
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The spirit of '22

Jo Dunaway Lazenby

The magic words "Point Grey, Point Grey, Point Grey" became a chanted litany, a driving force.

It was the marching chant and theme song of thousands of students and citizens, who walked en masse across Vancouver to create a university.

They sang, they chanted, they drove in Model Ts; but most of all, they *worked* to build UBC out of the barren land on the point. In 1922 the land was idle, devoid of trees, empty of a promise by the provincial government that there would indeed be a university there.

All that stood was the bare skeleton of the science building.

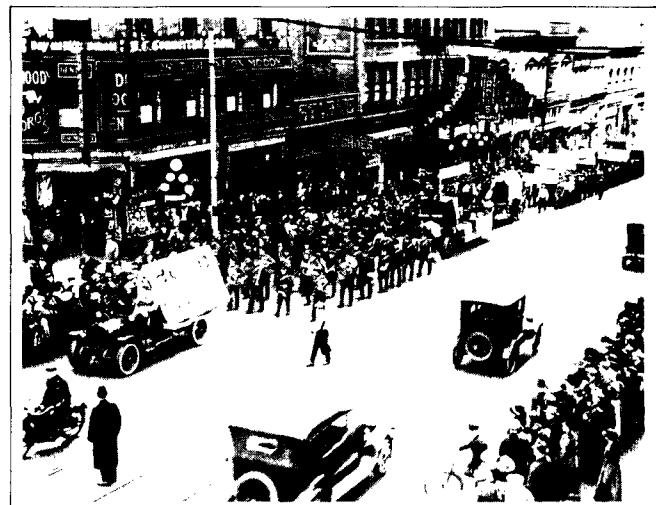
It wasn't until 25 years later that the momentous 1922 march became known as the Great Trek. But the trek alone didn't build UBC. It was the 56,000 signatures, gathered from all over the province by students in the summer and fall of '22, that finally swung the day.

A delegation of four students traveled to Victoria, the culmination of that festive, furious campaign. They entered the legislature, swamping the Speaker of the House up to his neck in petitions signed by people from all walks of life and all parts of B.C. Prospectors in the Peace, farmers in the interior, immigrants in False Creek, people everywhere lined up to sign so that their sons and daughters could go to university in their own province.

Perhaps the most poignant moment was when Marjorie Agnew, BA'22, who was instrumental in organizing much of the signature gathering, was not allowed to go to Victoria.

She was a woman.

Said the dean of women at the time: "Go, unchaperoned? With four men students?" The



dean forbade it. So Marjorie stood on the Vancouver dockside, waving. And this occurred at perhaps the only time in UBC's history when women students at UBC equalled the men in numbers. . .

The B.C. government had set aside 3,000 acres on Point Grey for UBC in 1911, but construction was halted by World War I. When the university opened its doors in 1915 to 379 students, classes were held in a grab bag assortment of run-down buildings, shacks and tents on the grounds of the General Hospital.

By 1922, enrolment had burgeoned to 1,176 and the situation was becoming hopelessly crowded and intolerable. Students decided it was time for action. And so was born the parade and pilgrimage by the "Sardines, Varsity Brand" that became the Trek of '22.

Under the leadership of AMS president-elect Ab Richards, BSA'23, a student publicity

campaign was launched. Members included: Aubrey Roberts, Arts'23, J.V. Clyne, BA'23, R.L. (Brick) McLeod, BA'25, Marjorie Agnew, BA'22, Jack Grant, BA'24, Percy M. Barr, BASc'24, Al Buchanan, BA'24, Betty Somerset, BA'24, Joe Brown, BA'23, and John Allardyce, BA'19, the Alumni representative.

Everyone got into the act. The wife of UBC's current chancellor, Betty (Somerset) Clyne, polished shoes to help raise money; a booth organized by Agnew at the fair in Vancouver (now the PNE) gathered 3,500 signatures; Brick McLeod offered to push baby carriages while mothers at the fair signed the petition. Earle Birney, BA'26, rode a streetcar all day soliciting signatures. And so on.

It was a sophisticated, energetic and well-organized publicity campaign. Students spoke on the radio, at meetings and in theatres. By October the campaign was in high gear with growing public support. Oct. 22-28 was designated Varsity Week for a final rally of support, including a door-to-door canvass in the city.

The highlight of Varsity Week was the parade through downtown Vancouver and the "pilgrimage to the promised land" at Point Grey. City merchants featured the University crest and motto "Build the University" in their ads and shops along the parade route were decorated in the university's blue and gold. Even a streetcar's cowcatcher sported a "Build the University" banner.



Photo by Orson Banfield, BASc'22, MASc'23

began the "pilgrimage" along the rough road to the unfinished science building. Birney was one of the many freshmen. He recalls:

"All this excitement seemed like a natural part of university life. I had never seen Point Grey until the great day — that name, Point Grey, became kind of a magic thing."

An area of rough, stump-covered ground had been cleared with a team of Clydesdale horses and a scraper, and the shell of a cairn was formed. Students added stones to the cairn as a symbolic appeal to build the university. The cairn was then dedicated as a symbol of their determination.

"Then," says Eric Lazenby, "we all climbed onto the framework of the science building to have our photograph taken.

"My class, Science '25, was right at the top and in the photograph I am sitting there with my feet dangling over the edge."

A little trick photography was used, too. A movie camera filmed the students forming the giant letters UBC on the ground. They then broke and milled about in all directions.

"When the film was run backwards, it appeared as if mobs of students all ran to the centre and came smartly to attention forming the letters UBC," recalls Ab Richards.

The focus of the campaign then moved to Victoria. On November 1, a delegation of Ab Richards, Percy Barr, Jack Clyne and Jack Grant — minus Marjorie Agnew — took the petitions to the legislature, to meet Premier John Oliver and his cabinet.

A week later the premier announced a \$1.5 million grant to build the university.

Most of the participants in the trek and campaign graduated before the first session on the Point Grey campus in 1925. But their spirit was there. And still is.

It was perhaps best epitomized in 1982 by Blythe and Violet Eagles, who held a reunion for the class of '21 and '22 at their home in July. Inconvenienced by pelting rain, the Eagles moved their home-cooked, three-course, hot dinner indoors. Undaunted, they served 47 classmates, faculty and friends from their small kitchen with spirit and cheer. Obstacles, for the class of '21 and '22, are merely something to be overcome.

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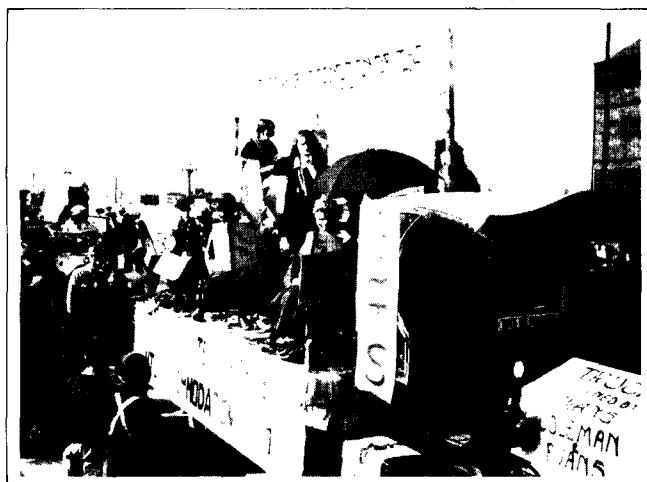


Photo by Orson Banfield, BASc'22, MASc'23

The parade wound its way through downtown — floats, cheerleaders, students marching in their classes with banners, the senior arts class in gowns and mortar boards, and graduates, all cheered on by spectators.

Eric Lazenby, BASc'25 recalls one of the marching songs had been specially composed by Harold Etter, Agriculture'24:

*"We're through with tents and hovels,
We're done with shingle stain.
That's why we ask you to join us
And carry our campaign."*

The chorus consisted of numerous repetitions of "Point Grey, Point Grey".

At Pacific Avenue, the marchers boarded streetcars and rode to Tenth and Sasamat and

An Engineering encore



UBC engineers - 1922 version. One of the engineering floats in the parade and march from downtown to Point Grey, known as the Great Trek (see story page 8).

Photo by Orson Banfield, BASc'22, M.A.Sc'23

What do you do for an encore after kidnapping the Speaker's Chair from the Legislature and hanging a Volkswagen under the Lions Gate bridge?

UBC's engineers go on to much-less publicized projects — but ones that are far more deserving of publicity. Many UBC grads have earned an international reputation (not for beetle-raising) — for solid engineering achievement.

It's one of the university's less-heralded grad success stories.

There's a whole range of projects and gadgets:

- a giant pulp mill in Poland;
- a tiny, computerized pump, disguised as a watch or pendant, that gives measured doses of insulin to a diabetic, subcutaneously;
- a racing-model wheelchair; and an earthquake-shaking table, to name just a few.

UBC engineers supervised the building of a complete pulp mill in Japan, and then barged it across the Pacific, into the Atlantic, and up the Amazon.

Then there are Dick Sandwell and Harold Wright, whose companies have worked on major pulp and mining projects throughout the world.

Trek '82

Does the spirit of '22 still linger?

AMS vice-president Cliff Stewart thinks it does. He and other AMS members are organizing "Trek '82" — not just as a tribute to those determined 1922 students — but to unite today's students, alumni and community in support of the university.

"In the same way that those early students took their concerns about the university to the public, we will be drawing the attention of the community to the needs of our university today," Stewart says.

"The theme of the original Great Trek was 'Build the University,' our theme is 'Support Education'."

The re-enactment of the Great Trek, on its 60th anniversary in October, will be complete with floats, bands, marching students and alumni.

The alumni association is assisting the AMS with the march, scheduled for Friday, Oct. 22.

Trek '82 will cap a week of events starting Monday, Oct. 18. Scheduled are: noon-hour lectures by distinguished alumni; a 1920s film fest and costume party; a Founders' dinner Oct. 21 for the classes of 1919-29, at which this year's Great Trekker award will be presented; and the Arts '20 relay. The relay is a re-enactment of the original one run from the Fairview shacks to Point Grey.

The Great Trekker award was established in 1950 and is given in recognition of outstanding contributions to U.B.C.

It will be up to alumni and UBC students to show that the spirit of the Great Trek still exists.

Former Trekker, and UBC Chancellor J.V. Clyne, recalled on the 40th anniversary in 1962: "the feeling of strong affection and enthusiasm we had for our university." And, perhaps most important even today: "our determination to make the public conscious of the university, its needs and its importance to the community."



Launching the 102-metre main truss of a bridge over Pashleth Creek, B.C. The bridge will carry 235 tonne off-highway logging trucks over the steep canyon. Design and supervision by Buckland and Taylor Ltd.

Wright's firm employs between 400 and 600 persons, depending on the economy; Sandwell has close to 1,000 employees; and another Vancouver-based firm of consulting engineers, H.A. Simons, is even bigger.

Wright Engineers was founded after the war by Wright, who had been a sprinter in the 1932 Olympics. His first overseas job was in Chile in the early 1950s. Since then the firm has grown into one of the world's leading mining companies.

Wright has been honored on numerous occasions, both for his work as an engineer, and for his contributions to amateur sport. He was director of the organizing committee for the 1976 Montreal Olympics.

His firm has worked in more than 40 countries, including major projects in Africa, the Philippines, Peru and the new \$400-million Ranger uranium mine in Australia.

The Sandwell group has worked in over 75 countries as specialists in forest products, power generation, energy conversion and other areas. A major part of its expertise is in the design, start-up and operation of pulp mills. It is engaged in projects in Turkey, Tanzania and Argentina, among others.

Since its founding in 1949, Sandwell and affiliated companies have completed more than 7,000 varied assignments. Today, it represents one of the largest independent organizations of its type in the world, with offices in Canada, the U.S., Europe and Africa.

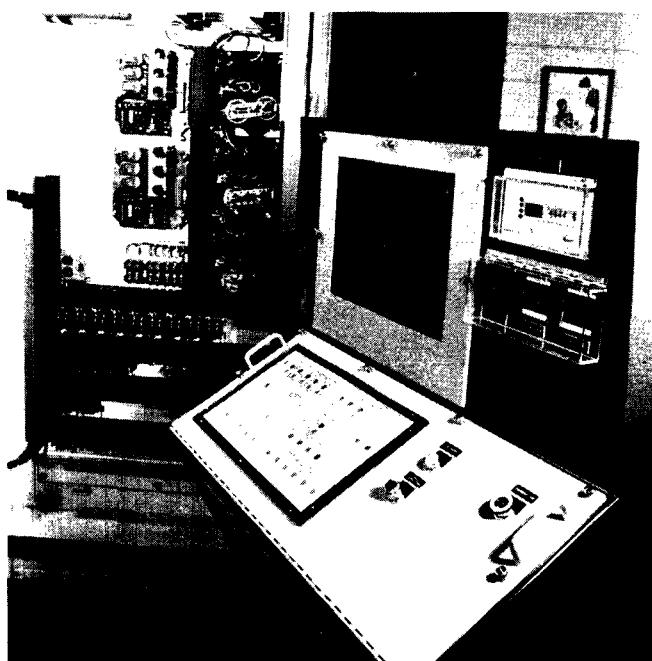
H.A. Simons (International) does so much foreign business the firm bought a share in a travel agency.

From Texas and Tennessee, to Poland, Spain and Sweden, and numerous countries "down under" — their engineers are always on the move.

It was H.A. Simons that was supervising process consultant on the famous Jari project.



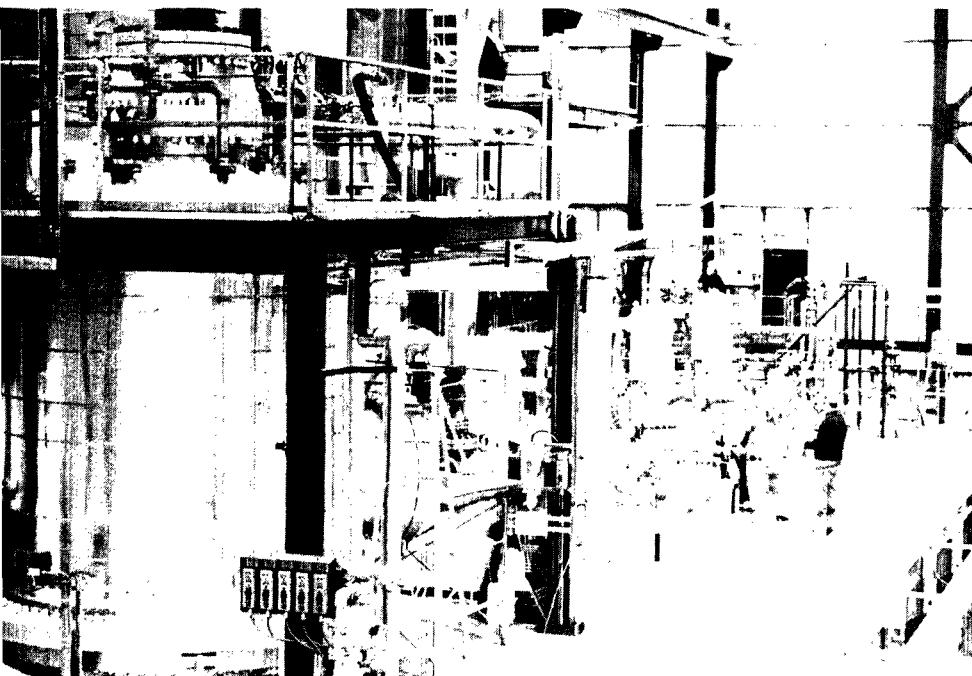
This new distribution centre and office in Richmond includes 15,000 square metres of warehouse space. Project consultant was Pomeroy Engineering Ltd., and John Louie was administrative consultant.



Dynapro Systems Inc., a Vancouver-based Company, developed this machine for industrial program control. The system provides control and monitoring for textile fibre press and baling systems at a South Carolina plant.

This involved the building of a complete pulp mill on two barges in Japan, then towing the barges, of 45,000 tons each, across the Pacific, round the Cape and up the Amazon to the Jari tributary.

The barges were floated into position over a foundation, the site was drained, power hooked up and in went the chips. Much to the cheers of the Brazilians, Japanese and Simons' engineers, it all worked!



A technical breakthrough - Cominco's new \$23-million zinc pressure leaching plant in Trail, B.C. It is the first commercial application of the complex pressure leaching technology for zinc recovery, arousing interest from around the world. Project supervisor was Don McKay.

Photos courtesy of the B.C. Professional Engineer, Harry Gray, editor.

A growing number of young people now feel that technology and the environment can be brought into harmony. They view the energy, mining, transportation and high-technology projects of these and many smaller firms as tremendously exciting.

Certainly enrolment in UBC engineering programs has hit an all-time high and women are starting to move into the field in significant numbers. Some 10 per cent of engineering undergrads now are women, compared to a tenth of one per cent in 1970.

Perhaps that's because UBC-trained engineers are involved in a huge range of projects. Not just drains in Delta...

Among research and development accomplishments of UBC's engineering departments and programs:

A talking telephone exchange (Spellex) which assists blind, as well as brain-damaged, children, developed by M.P. Beddoes.

The Bio-Resources group, in co-operation with the Food Science department, developed retortable plastic pouches so

french fries can be stored without refrigeration. (This has led to a new industry in the South Kootenays.)

A one-handed can opener for handicapped people was one of the innovative projects led by Dr. R.E. McKechnie.

UBC engineers and physicists have come up with a high intensity light source. It would enable eight lamps to replace the 1,033 flood lights in Montreal's Olympic stadium.

Then there's Canada's only earthquake-shaking table, built by civil engineering. And mechanical graduates (not the robot type) designed a chair for the Wheelchair Olympics.

Engineering students learn to pack a suitcase when they gain their degree and iron ring. They appear all over the world.

K.S. Julien is dean of engineering at the University of the West Indies. K.K.Y.W. Perera is doing the same job at the University of Sri Lanka. Cedric Iwasaki has a big job at Mattel Toy in California and George Govier produced a major energy report for the Alberta government.

For some non-engineers on campus, it seemed difficult to imagine the lively, prank-prone engineers as future "socially-useful" citizens. But among their many contributions is an artificial kidney machine, now being manufactured, and developed by Dr. C.A. Brockley and Dr. H. Davis. Ted Maranda of D.W. Thomson Consultants of Vancouver is the engineer involved in the design of the central kidney dialysis system at Vancouver General Hospital.

Most of these projects are unsung. But some engineers are always in the public eye — such as Nelson Skalbania. Some are even in politics, such as MLA Jack Davis and Tom Waterland, minister of forests.

There are even engineers turned writers. Take Barrie Sanford, whose second book on railroads was published this year. He works as a professional engineer; writing, for him, is a spur-line....

Alan Brown, headmaster of prestigious St. George's School for boys in Vancouver, is also an engineer. And Gordon MacFarlane runs B.C. Tel.

It may be that the day of the engineer is just dawning.

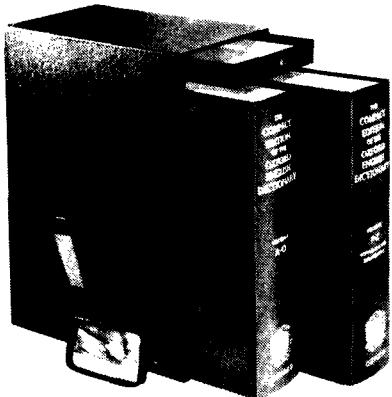
He, and increasingly she, has a key role in primary, labor-intensive industry, as well as the intense exploration for new technology and its application to manufacturing and living standards.

In a world struggling to cope with inflation, unemployment and depleting resources — not to mention the second and third worlds which would love to have our standards and expectations — all that ingenuity that places VW beetles in unlikely places will be sorely needed.

Ed note: Space permits only a 'survey' of engineering accomplishments. Of necessity, many firms and people have been omitted. Our apologies to the many we could not mention — and our hard hats off to all of you.

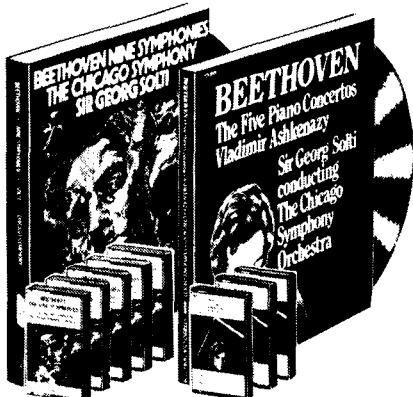
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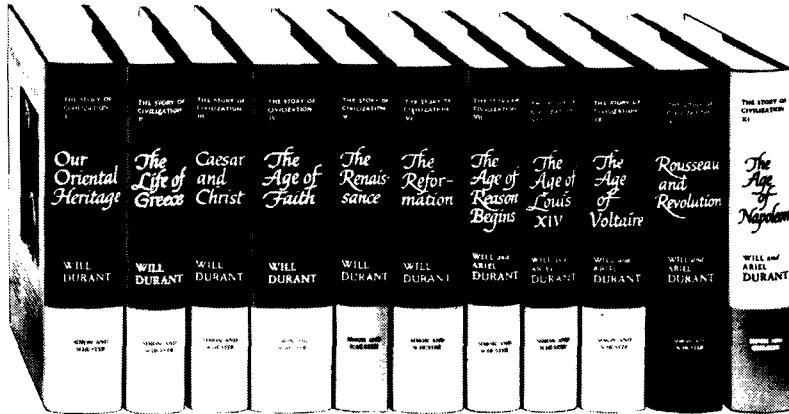
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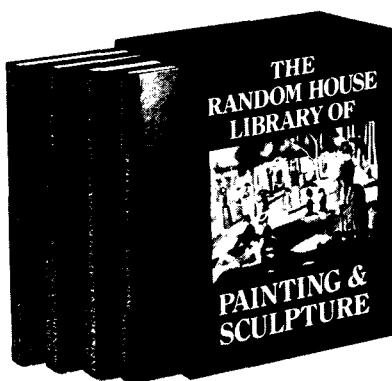
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Anatoli Tarasov loves coaching hockey — no matter where, or with what team. In Kamloops this summer, he instructed some young hockey players in a dry land session at Memorial Arena.

Debbie Brash photo

Kamloops Daily Sentinel

Caviar and cornflakes — how Russia came to UBC

14 Chronicle/Fall 1982

When Anatoli Tarasov stepped off the plane from Russia, his suitcase was stuffed full of his favorite foods — dark breads, dried fish meats, caviar, and strong drink.

Not quite the kind of luggage you would expect the father of Russian hockey to be bringing to UBC. But Tarasov, and his colleague Jiri Korolev, weren't quite sure what kind of foods we had here. So they brought their own, just in case.

The two internationally-known hockey experts came to UBC in June at the urging of Athletic Director Dr. Bob Hindmarch.

It was all part of an innovative effort to boost athletic programs both at UBC and around the province.

Known officially as the Molson coach-in-residence program, it will bring to UBC a number of world-class coaches in a variety of sports.

Tarasov was the first. He is Deputy chairman of the Soviet Ice Hockey Federation. As a former coach of the Soviet national team, he won 10 world championships and three Olympic medals.

Korolev is Executive Director of the famous Moscow Institute of Physical Culture.

It was quite a coup for Hindmarch to get the two Russian hockey experts to UBC. But Tarasov and Hindmarch have become friends over the years — you can see they enjoy being together.

Hindmarch says the success of this first visit will help UBC land top-notch coaches in other sports.

"I think Coach Tarasov has to be one of the most interesting and unique individuals I've ever met."

Tarasov weighs close to 300 pounds, quite a weight for an advocate of fitness. Canadians who met him for the first time were often overwhelmed by the living legend. The man is a delight, but also bombastic, gregarious, charming, demonstrative, paternalistic, professorial and generally — intimidating.

Picture the surprise of a Vancouver clerk in a clothing store, who, on shaking Tarasov's hand, suddenly found himself pinned to the table.

The clerk's mistake? He declined to cut the sleeves off a long shirt and let Tarasov try on a new, short-sleeve variety for hot weather.

Tarasov pioneered modern hockey coaching techniques. He is credited with two major changes: the vaunted Russian passing game, which has swept past Team Canada and others so often, and dry land training.

Young Kelowna hockey players got a taste of dry land training, Tarasov style, this summer. He quickly dispatched the teenage players to different drill stations, and soon there wasn't a dry brow.

Any flagging drew a menacing scowl; a drill performed well, or extra effort, might draw a broad grin and the exclamation: "Good, like Russian."

Or it might get the player a kiss on the cheek.

Either way, it was a new experience. Tarasov is a man used to winning.



During his recent tour of B.C., Tarasov gave Mike Whitehead of Kamloops a few hockey tips, while local hockey officials looked on.

Debbie Brash photo
Kamloops Daily Sentinel

The two Russians are the first of many sportsgiants that Hindmarch will import in the next three years.

Thunderbird rugby coach Donn Spence has been appointed chairman of the coach-in-residence program. "We're in contact with Doctor Jasef Vojik from Czechoslovakia and Jurgen Hylander from Sweden, both of whom are well respected in volleyball," says Spence. "Also, we're approaching Bill Freeman who is involved with New Zealand's world-dominating rugby teams."

Spence says the program "can only enhance UBC's image as a centre for sport development. B.C. will gain from an infusion of high-level, technical know-how. In the long run, Canadian sport can only benefit from this type of project."

If you're wondering what happened to those suitcases full of Russian food — Tarasov became a connoisseur of cornflakes, having at least two helpings daily. And ice cream. He had to sample all varieties, for critical analysis.

Korolev took a liking to caramel-coated popcorn and would simply inhale boxes of it. He was rarely seen without it in his hand.

This report came from Steve Campbell,
UBC's Sports Information Director.

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UBC reports

Published as a supplement to the UBC Alumni Chronicle by Information Services, University of B.C., 6328 Memorial Road, Vancouver, B.C. V6T 1W5. No. 16, Fall, 1982. Jim Banham and Lorie Chortyk, editors.

RESEARCH: UBC's growth industry

In the midst of general economic stagnation and minimal increases in university operating grants, one area of UBC life continues to prosper.

Research is a growth industry at UBC. Recent events underline the continuing growth of quality among UBC faculty and their success in winning, in competition with other Canadian universities, major research grants from outside agencies and awards from various scientific bodies.

Item: The total amount of all research funds from all sources to UBC in 1981-82 was \$44.9 million, an increase of more than 11 per cent over the previous year.

Item: Grants to UBC researchers from the Natural Sciences and Engineering Research Council for 1982-83 are up nearly 20 per cent over the previous year to more than \$11.6 million.

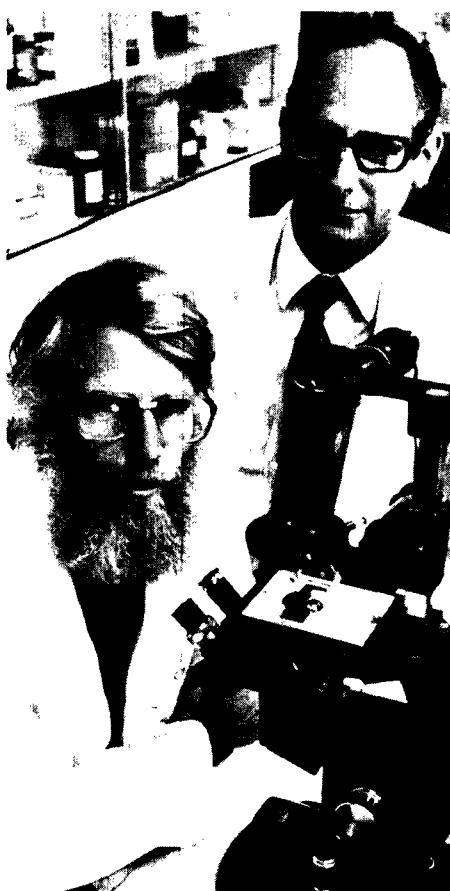
Item: Grants to UBC researchers from the Medical Research Council of Canada are also up and include a \$1 million award over five years from the Terry Fox special initiatives program designed to stimulate innovative cancer research. (See picture and caption this page.)

Item: Three of the eight medals awarded this year by the Royal Society of Canada, Canada's most prestigious academic organization, for outstanding discoveries made over the past decade, were awarded to UBC faculty members.

Item: The three gold medals annually awarded by the Science Council of British Columbia all went to UBC scientists in 1981. (For other awards and honors conferred on UBC faculty members in recent months, see the "Campus People" column on Page 23 of this issue.)

All these items taken together tend to reinforce the words of UBC's president, Dr. Douglas T. Kenny, who said that the amount of money for research and the number of awards for excellence made to UBC faculty members had dramatically increased in recent years. "This is because research granting agencies in Canada and elsewhere recognize the stature of our faculty and the quality of the work they do."

This *UBC Reports* supplement to the *Alumni Chronicle* looks at some of the interesting research projects in progress or recently completed by UBC faculty members.



These two UBC researchers have been awarded a grant of \$1 million from the Terry Fox special initiatives program designed to stimulate innovative cancer research. Prof. Robert Miller, right, and Prof. Douglas Kilburn head a team that will aim at enhancing the biochemical signals which activate the body's immune system to destroy invading cells. Part of the reason the immune system fails to deal effectively with cancer cells is presumably because the biochemical signals or "helper factors" aren't strong enough to turn on the defence system. The team will use gene cloning to produce helper factors in quantities large enough to be tested in animal trials. Prof. Miller is head of UBC's microbiology department and a professor in the medical genetics department. Dr. Kilburn is a microbiology professor.

Top awards made to five UBC faculty

Prof. Clayton Person of UBC's botany department was honored twice in the past year for research that has made him one of the world's leading authorities on the genetics of plant parasites.

He was the recipient of a gold medal from the Science Council of B.C. and the Flavelle Medal of the Royal Society of Canada, this country's most prestigious academic body.

Some of the techniques developed by Prof. Person for the improvement of plant strains in their battles against various pests are in use in agricultural areas in North America, Africa and Asia.

His research is important to efforts by scientists to improve resistance in agricultural crops to parasites and to keep one step ahead of genetic changes in parasites that attack crops.

A second Science Council of B.C. gold medal was awarded to Prof. David Suzuki of the Department of Zoology, who has combined a scientific career in genetics with a writing and broadcasting career that has made him perhaps the best known scientist in Canada.

The third Science Council of B.C. medal was awarded to Professor Emeritus John Warren, a member of UBC's physics department from 1947 to 1980, and the man regarded as the "father of nuclear physics" in western Canada.

He was responsible for the development of two major nuclear facilities at UBC — the Van de Graff generator in the 1950s and the TRIUMF Project located on the UBC campus, where he served as director from 1968 to 1971.

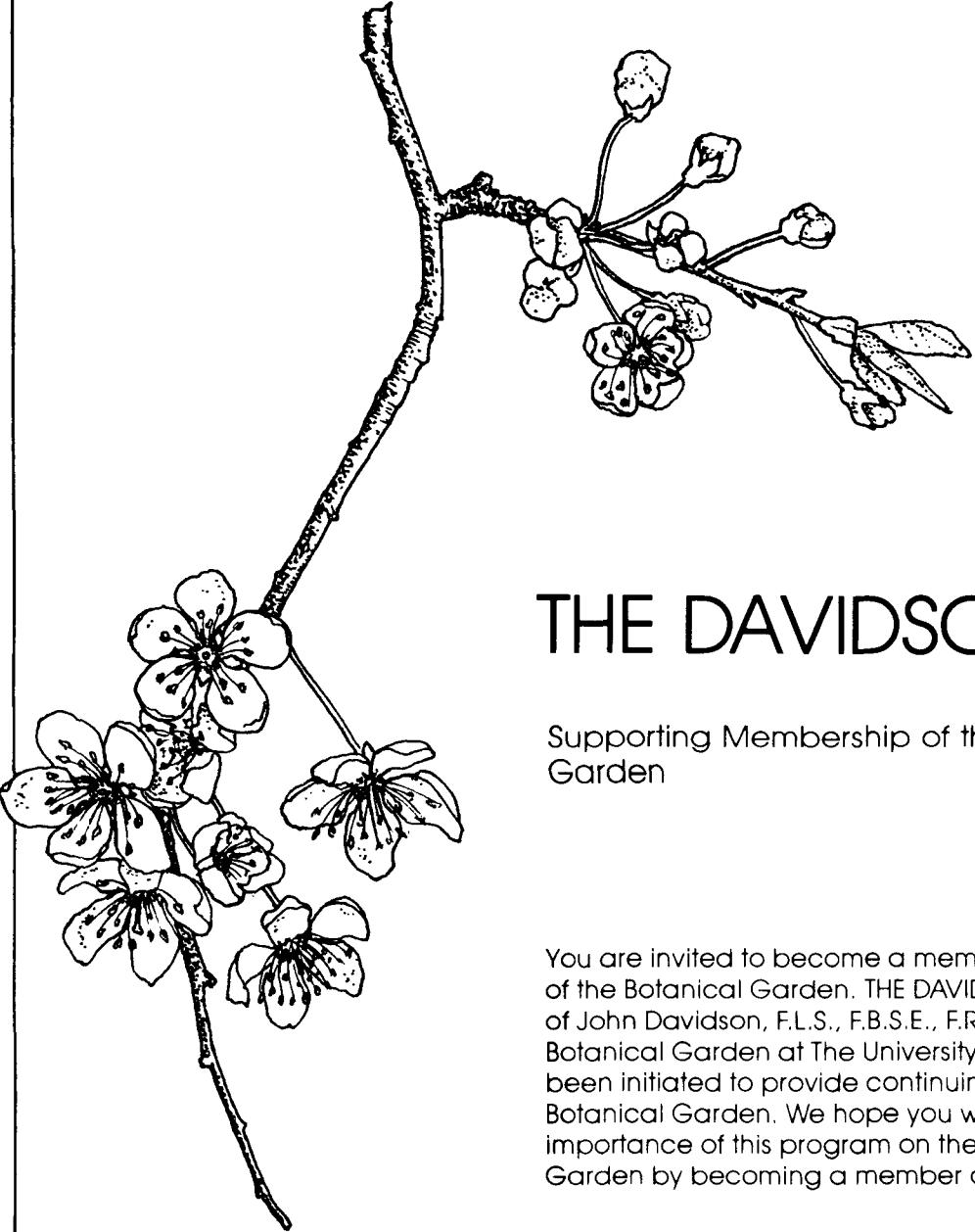
Two other UBC scientists in addition to Prof. Person were honored by the Royal Society of Canada.

Prof. John Brown of the physiology department was the recipient of the MacLaughlin Medal for his discovery of two gastrointestinal hormones which have added to our understanding of how the gut works in health and disease.

The society's Rutherford Medal was awarded to Prof. William Unruh of the Department of Physics, a theoretician who is attempting to reconcile Einstein's theory of relativity with the principles of quantum mechanics.



John Davidson, F.L.S., F.B.S.E., F.R.H.S.
1878 - 1970



THE DAVIDSON CLUB

Supporting Membership of the UBC Botanical Garden

You are invited to become a member of the newest program of the Botanical Garden. THE DAVIDSON CLUB, named in honor of John Davidson, F.L.S., F.B.S.E., F.R.H.S., first director of the Botanical Garden at The University of British Columbia, has been initiated to provide continuing financial support for the Botanical Garden. We hope you will confirm our belief in the importance of this program on the Campus and support the Garden by becoming a member of THE DAVIDSON CLUB.

Professor John Davidson founded the Botanical Garden at the present campus site in 1916, in spite of the lack of any programs on the Campus at that time. Bricks and mortar were to come later, but the educational programs were already in progress at the temporary University premises at Fairview Heights.

During the summer of 1916, the first botanical specimens were transported about 20 miles from the Botanical Office of the Provincial Government's Garden Collection to the campus on Point Grey. The establishment of the Botanical Garden pre-dates the founding of the Departments of Biology or Botany.



Most people now recognize that a botanical garden is a museum of living plants on which research, education and public information programs are founded. One may well ask how a botanical garden differs from a park or display garden. As a museum, a botanical garden maintains accurately documented and labelled plants as the core of its program. The UBC Botanical Garden now has some 13,000 plants in its collection. More than 400 species of Rhododendrons can be found in our Asian Garden component!

Botanical Garden programs, using plants as a basis, must be developed and implemented by people; hence our theme, PLANTS AND MAN, accurately reflects the intimate relationship that we have developed with our plant oriented environment. In a recent publication detailing the travelling art exhibition "200 Years of Botanical Art in British Columbia", I made the following statement that summarizes our intimate relationship with the plant world: "We live in a green world that is passive but responsive to our needs and aspirations. Let us hope that as we view our own interpretations of this delicate and fragile world, our responsibility for the stewardship of its future will be conducted with a new sense of integrity". What can you do to help the Botanical Garden insure integrity of our plant heritage? Become a sustaining member of the Garden by joining THE DAVIDSON CLUB.

The Garden began a new era in 1966 when it achieved a separate academic service departmental status. A comprehensive development program was initiated for the decade 1971-1981. During this period the Garden expanded to 110 acres on Campus. New garden components were developed; e.g., The B.C. Native Garden, The E.H. Lohbrunner Alpine Garden, The Physick Garden, The Asian Garden. In addition, new collections and programs were established; e.g., perennials, heathers, a nursery with modern research propagation facilities, a publications series, a horticulture as therapy program and a volunteer program 'The Friends of the Garden'. This special group of 45 dedicated and energetic members have greatly expanded the impact of the Garden to our Community.

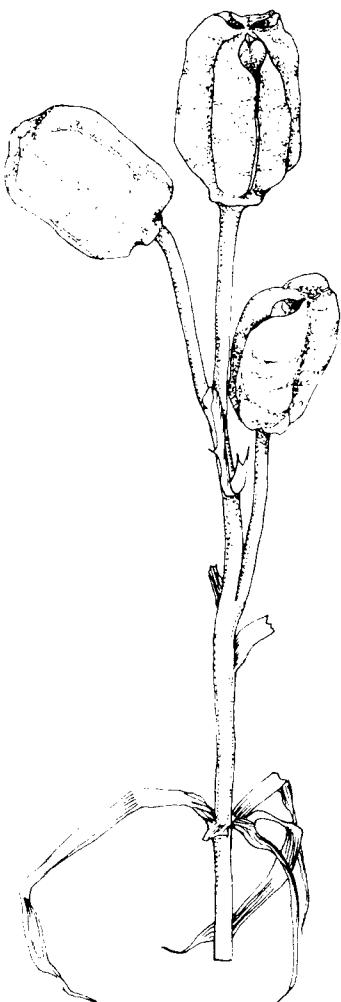


What is the scope of the activities of the Botanical Garden at U.B.C.? Did you know that in 1980-81, the Garden provided answers to 4,800 horticultural enquiries, helped develop a 12-week CBC television series "B.C. Gardens", provided information and lectures to 86,000 visitors to the Home and Garden Show at the P.N.E., provided 16 workshops for specialists interested in horticulture as therapy and rehabilitation, organized the 10th Annual Meeting of the National Council on Therapy and Rehabilitation Through Horticulture for 1982, provided ten specialized workshops for 150 professional nursery workers, gave numerous guided tours to interested amateurs, professionals and school groups to the various Garden components, developed a specialized travelling art show for Canada and United States on Rhododendrons "Cloud Flowers", and ran a plant sale for U.B.C. students under the auspices of the Friends of the Garden.

In addition to these public activities, the Garden continued to play an active role in research and teaching at the University. Staff provided credit programs for 213 students and non-credit programs for 1,250 students. The Garden provided seeds or plants to more than 500 institutions throughout the world for research purposes.

The Garden initiated a Plant Introduction Scheme to provide for the introduction of new plants to the horticultural industry. This program furthers the cooperation of the nursery trades industry, landscape architects and landscape contractors in the Garden's programs.

The result of the activities and research are found in many professional journals and in addition, the Garden produces special technical publications and its own journal "Davidsonia" to provide information to the professional and amateur on horticultural aspects of our flora. Unfortunately Davidsonia was suspended effective April 1, 1982 because of fiscal retrenchment, but it is our hope to resume publication when additional funds become available.



Why do we need financial support for such activities? The Garden is funded through the University, but an ever increasing demand for the shrinking dollar available to the University makes it more difficult for our program to be funded. We need to establish specific endowment programs for a number of our programs. We hope that you will be encouraged to support the activities of the Garden by becoming a member of THE DAVIDSON CLUB and support your favourite program listed on the application form.

A number of the Garden programs are in jeopardy and may not be continued without your support. Why not help allay the possible demise of these programs that have become an important part of the University's heritage?

As a member of THE DAVIDSON CLUB you will have free admission to the Garden, take part in special activity days in the Garden, and be kept informed of all the activities sponsored by the Garden. Your membership will also provide a subscription to our regular publication.

We need your help and hope that you will take the time to complete the attached membership form and become one of our first DAVIDSON CLUB members. Don't forget to visit the Garden and enjoy the plants and activities — you too can take part in our PLANTS AND MAN program!



Roy L. Taylor, Ph.D., F.L.S.
Director

THE DAVIDSON CLUB

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Endowments Needed to Maintain These Programs *

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The Physick Garden.....	95,000
Asian Garden.....	1,125,000
The Food Garden	145,000
Horticulture as Therapy Program	325,000
Plant Acquisition and Introduction Program	50,000
Publications Program	154,000
The Shop-in-the-Garden	290,000
Library	144,000
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TOTAL	\$4,223,000

* Based on April 1, 1982 operating costs.

THE DAVIDSON CLUB

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UBC contributes more than \$467 million annually to the economy of the Great Vancouver Regional District, according to a report prepared by UBC's Office of Institutional Analysis and Planning. The University is directly responsible for an estimated \$235 million of expenditures and provides more than 7,500 full-time jobs in the GVRD. Indirectly, UBC is responsible for an additional 7,425 jobs and another \$232 million in spending.

17 years of research results in first catalogue of Brahms's work

A UBC research team has now completed a 17-year project that will close a major gap in knowledge about the great 19th century German composer Johannes Brahms.

Scheduled for publication in 1983 to mark the 150th anniversary of Brahms's birth is the first thematic catalogue of the composer's entire musical output, which included every major musical genre except opera.

The catalogue, which will run to nearly 1,000 pages, is the fruit of almost two decades of intensive research by the late Prof. Donald McCorkle, former head of UBC's music department, and his wife, Margit, who carried on the Brahms project following her husband's sudden death from a heart attack in 1978.

Mrs. McCorkle said the catalogue, in addition to being of major interest to music scholars and students, will also be a source of information for writers of record liner notes and concert programs, music critics, librarians and archivists.

Auction houses, antiquarian booksellers and collectors will also find the catalogue useful because of the wealth of information it will contain about the manuscripts of Brahms's music — either those in the composer's own hand (called autographs) or those prepared by professional copyists under Brahms's supervision, and the editions published during the composer's lifetime (referred to as original editions).

Complete listing

A thematic catalogue is basically a bibliography — a listing — of everything written by a particular composer, Mrs. McCorkle explained.

In addition to reproducing the opening bars of each composition (in the same way that a literary bibliographer will prepare an index of the first lines of a poet's works), a thematic catalogue also provides details related to the creation of each work (where and when it was composed), information on the work's first performance (when, where and who performed it) and the circumstances of its publication during Brahms's lifetime (when, where and who published it).

The catalogue will also contain a physical description of all the known

manuscripts written in Brahms's own hand or those prepared by authorized copyists and their locations. Added to this will be a bibliographic description of the original editions of each composition, which will enable scholars and collectors to compare the first with subsequent editions for content and variations.

The long road leading to publication of the catalogue began in 1965, when Mrs. McCorkle's husband agreed to teach a graduate seminar on Brahms at the University of Maryland, where he was then a faculty member.

"When my husband began research in preparation for the seminar," Mrs. McCorkle said, "he was surprised to find there was no thematic catalogue for Brahms analogous to the ones in existence for the music of Bach, Mozart, Beethoven and Schubert. Further investigation showed that the location of most of Brahms's manuscripts wasn't even documented."

Tradition also had it that Brahms had destroyed nearly all evidence of his creative process during his lifetime and what did exist wasn't very interesting for scholarly purposes.

Prof. McCorkle demolished that notion by visiting the Library of Congress in nearby Washington, D.C., which holds a substantial number of Brahms's manuscripts.

"It was apparent to him that the significance of the manuscripts had been grossly underestimated," Mrs. McCorkle said.

Initially, she said, the project was confined to locating all Brahms's manuscripts, which meant visits to a number of U.S. centres, and to archives and libraries in Europe, chiefly in Vienna and Hamburg.

"Nearly two-thirds of Brahms's manuscripts are held by half a dozen major institutions in the U.S., Austria and West Germany," said Mrs. McCorkle, "and the balance are in libraries and archives or in private hands in the U.S., Great Britain and a number of European countries, some behind the Iron Curtain." Just recently, she adds, a cache of Brahms's manuscripts has turned up in Russia.

On the whole, she adds, access to archive collections was not a problem, provided the researchers had established their credentials as serious scholars and obtained an introduction to the institutions holding the collections.

The response of private collectors varied from full co-operation by individuals who were proud of their manuscript collections to a few who refused assistance under any circumstances for one reason or another.

Over the years, the McCorkles have documented the location of 95 per cent of Brahms's manuscripts known to be in existence. In cases where an autograph or an authorized copy of the manuscript doesn't exist, the first published version must then serve as the most authoritative document for validating the text.

Mrs. McCorkle feels, however, that editions published in Brahms's lifetime (1833-1897) are fairly reliable, even when autographs and authorized copies are lost.

"Brahms," she said, "wrote music for publication, unlike earlier composers such as Mozart, who was more concerned with relations with his patrons and whose works were often performed privately before relatively small audiences.

Works published

"Brahms wrote for a larger public and because he had published in his lifetime almost everything he wished, he was able to work closely with the publishers to ensure that the original editions of his works were quite accurate.

"From the few surviving galley proofs with corrections in his own handwriting, as well as from the extensive correspondence with his publishers, we know that he had a lot of control over his published works."

The fact that some autograph and authorized copies of Brahms's music have disappeared is not surprising, Mrs. McCorkle said. "Those manuscripts sent to the publishers to be used as engraver's models were seldom returned to him. Other manuscripts he gave away to friends as gifts or to individuals to whom they were dedicated. And inevitably, some of the manuscripts have disappeared as the result of the disruptions of two world wars in Europe."

At the time of his death in 1978, six years after he joined the UBC faculty, Prof. McCorkle and his wife had located three-quarters of Brahms's manuscripts still extant and a contract was being negotiated to produce the thematic catalogue.

Since 1978, Mrs. McCorkle has

Currently under construction on the UBC campus are a new \$5.8 million building for the School of Home Economics, scheduled to open this fall; a \$12.1 million dollar building for the Department of Psychology, scheduled for completion in August, 1983; and a new campus Bookstore worth \$7.9 million, scheduled for completion in June, 1983.



Mrs. Margit McCorkle, leader of UBC's Brahms project, is flanked by research assistants Wiltrud Martin and Thomas Quigley.

searched out the balance of the manuscripts, collected bibliographic information and written the individual entries for the catalogue. These tasks, plus negotiations with her German publisher, mean extensive travelling to the eastern U.S. and Europe each year.

Mrs. McCorkle settled on a German publisher — G. Henle Verlag of Munich — primarily because they had experience in publishing thematic catalogues, having produced similar volumes on Beethoven and Chopin.

Although the text of the book will be in German, the publisher has agreed to print extensive prefatory material, instructions for the use of the catalogue and an extensive glossary in both English and German, with the result that most people will be able to find their way around in it.

Mrs. McCorkle is generous in her praise of the Canada Council and the Social Sciences and Humanities Research Council of Canada for their support of the project over the years. "I

think Canadians can be proud of the fact that they have granting agencies with the breadth of vision to see that the Brahms project would be an important contribution of knowledge," she said.

Research aids

The grants have primarily been used to pay the salaries of two research assistants. (Mrs. McCorkle herself holds an appointment as a research associate in the UBC music department.)

Her assistants on the project have been Thomas Quigley, a graduate of UBC's School of Librarianship who has done much of the bibliographic work associated with the catalogue, and Wiltrud Martin, a native of Germany who helped prepare the German-language entries for publication.

Quite apart from being named as the authors of the catalogue, the McCorkles will have their imprint on the volume in

one other significant way.

There is a residue of several dozen compositions by Brahms that are not included under any of the 122 opus numbers that serve as the basic catalogue of his works. Mrs. McCorkle said this residue will be included in the thematic catalogue with "McC." numbers attached to them.

There is clearly precedent for this. The "K" numbers attached to all of Mozart's compositions stand for the name Ludwig Ritter von Kochel, who compiled the catalogue of Mozart's works published in 1862.

The research team headed by Mrs. McCorkle spent about eight hours a day, five days a week working on the catalogue. Mrs. McCorkle spent much of her time on weekends on correspondence connected with the project.

The manuscript is now in the hands of the German firm which will publish it, and production, Mrs. McCorkle says, "is right on schedule."

UBC to be leading imaging centre

UBC is the best school in Canada for the study of accounting, according to a national poll of accounting professors conducted by a committee of the Institute of Chartered Accountants of Alberta. UBC received 445 out of a maximum of 510 voting points, 120 more than second place McMaster University. UBC also topped a second poll which asked for the professors' impressions of the quality of students graduating in accounting.

UBC will soon be Canada's leading centre for imaging the structure and inner workings of the human body.

The University is bringing together the latest in research and diagnostic tools that will show what is happening at a microscopic level within the cells of the body. They will allow the biochemistry of the body to be studied for the first time without disturbing the body or removing samples from the body.

As probes they are so sophisticated that biochemical events associated with health, or misadventures that accompany disease, can be detected while the patient is conscious and alert and does not feel any pain or discomfort.

These techniques represent the beginning of a new era of "non-invasive" imaging and the possibility of studying the biochemistry of life inside the body itself.

Pharmaceutical Sciences dean and co-ordinator of Health Sciences Dr. Bernard Riedel said UBC's imaging facilities bring together scientists from a wide range of disciplines within chemistry, physics, pharmacy and medicine.

"UBC will easily be the most advanced centre in the nation for imaging

the human body," Dr. Riedel said.

The three main imaging devices are the computer tomograph (CAT), nuclear magnetic resonance (NMR) and positron emission tomograph (PET) scanners. They will be installed in the Health Sciences Centre Hospital on campus.

The CAT scanner provides three-dimensional images of the entire body. About half a dozen hospitals in the province already have CAT scanners.

Much less common are NMR and PET scanners.

The University is buying an NMR scanner from Picker International Inc. of Cleveland. The machine is the first commercial version of its kind in North America.

NMR has been used for at least three decades in industry to analyse the chemical structure of solids and liquids. Recent technological advances make it possible to apply NMR to as large and complex an organism as the human body.

One method of describing how NMR works is to think of an opera singer shattering a glass. What happens is that the frequency of the singer's voice matches

Planners look at northern projects

A team of UBC researchers has launched a three-year study of the impact of mega-projects on the people and environment of northern Canada and British Columbia.

The project, spearheaded by three members of UBC's School of Community and Regional Planning, is supported by grants totalling \$225,000 from the Donner Canadian Foundation of Toronto.

The research studies will focus on oil and gas mega-projects in the Mackenzie Delta-Beaufort Sea region of the Northwest Territories and coal development in northeast British Columbia.

Dr. William Rees, the principal investigator, said special emphasis will be placed on the impacts and opportunities related to native and other northern communities. Associated with Dr. Rees on the project will be colleagues Peter Boothroyd and Dr. Clyde Weaver.

Dr. Rees said the project would:

- Investigate the adequacy of existing procedures related to mega-project policy making, planning and impact assessment in Canada's north;
- Detail the socioeconomic effects — good and bad — of mega-projects on

native and other communities; and

- Suggest ways of improving northern development plans and planning, including the integration of such existing regulatory mechanisms as impact assessment.

A major aim of the study, said Dr. Rees, is to further effective planning at all levels so that northern communities prosper rather than flounder in the face of large-scale industrial development.

Dr. Rees, who has focussed on topics related to northern ecology and regulation over the past decade, said an estimated \$220 billion worth of oil, gas and mineral projects are slated for development over the next two decades in the unsettled northern regions of the four western provinces, the Yukon and the Northwest Territories.

"These proposed developments," he said, "have few parallels anywhere in the world and have the potential to transform drastically the national economy and permanently alter the environment and socioeconomic fabric of the Canadian north."

"Native communities will be particularly affected, and many are now faced with the question of whether mega-projects mean a better or worse

UBC's Senate has approved the establishment of two new centres for advanced technology in microelectronics and for molecular genetics. Both centres will operate under the aegis of the Faculty of Graduate Studies and will have boards of management to provide overall direction for their work. The molecular genetics centre will also have a scientific advisory board, which will have as one of its functions the consideration of ethical questions raised by this new field of study.

the frequency at which the glass will vibrate.

All physical objects in the universe can vibrate — planets as well as atoms. NMR works by vibrating or resonating the nuclei of atoms within the subject being studied, using magnets and radio waves. Nuclei vibrate and in doing so absorb or emit electro-magnetic radiation which can be detected by a receiver similar to a sensitive FM radio receiver and transformed by a computer into pictures or images which are displayed on a television screen.

A PET scanner is now being built at the TRIUMF cyclotron project at UBC and will be moved to the Health Sciences Centre Hospital. There are two other PETs in Canada, at the Montreal Neurological Institute and at McMaster University in Hamilton. Neither is as powerful as the one being built at UBC.

PET scanners provide three-dimensional images of the biochemical working of the brain and are being hailed as one of the most significant advances in brain disease research in decades. They will be used for diagnosis and research into such common neurological diseases as stroke, epilepsy, multiple sclerosis

and Parkinson's disease. The program received major funding for its three years by the Medical Research Council of Canada.

Ground was broken in May on the world's largest "peashooter," a pneumatic pipeline running 2.4 kilometers from the TRIUMF cyclotron project on UBC's south campus to the Health Sciences Centre Hospital.

The pipeline is to deliver very short-lived radioisotopes rapidly and safely from TRIUMF to be used in the PET machine.

Dr. William Webber, dean of UBC's Faculty of Medicine, said the imaging facilities are ideally suited for a university setting.

"The proximity of TRIUMF to the hospital on campus makes it possible to use radioisotopes whose life span may be as short as two minutes. The collaboration of scientists from a variety of departments and disciplines represents the kind of interaction which planners of the hospital hoped and expected would occur."

"The imaging devices will make UBC the most advanced centre of its kind in Canada and a leader on the continent."

standard of living for them," said Dr. Rees.

Among the specific studies to be undertaken by the three leading investigators will be the following.

Dr. Rees will study implementation of the new Land-Use Planning Program of the federal Department of Indian Affairs and Northern Development in the Beaufort Sea region and compare it to B.C.'s approach to planning for Northeast Coal development.

He will also analyse government decision-making processes for northern mega-projects culminating in the Environmental Assessment and Review Process for oil and gas development in the Beaufort Sea.

Mr. Boothroyd will analyse and evaluate northern social impact assessment procedures and analyse the employment histories of selected northern residents to determine the factors which have hindered or encouraged integration into the wage economy and the consequences for northern residents' social, cultural and economic well-being.

Dr. Weaver will analyse northern regional and native community economic structural changes resulting

from mega-projects.

Dr. Rees anticipates that there will be significant spinoffs associated with the project.

A total of 13 graduate students registered in the School of Community and Regional Planning will earn their master's degrees by undertaking specific studies under the direction of the research group.

"Not only will the results of research be incorporated into teaching at UBC," he said, "but the University will also be training much-needed professional planners for future northern development."

The experience and knowledge base gained in the course of the project will also enable UBC to develop continuing education training programs for practicing planners and native leaders.

"There are significant long-range effects of the Donner grant in support of this research," Dr. Rees said. "The project will help establish UBC as a major centre for northern and native development and planning research, and provide Canada with leading-edge capabilities in resource development and mega-project planning."

Range of studies supported

The grant by the Donner Canadian Foundation for the study of mega-projects isn't the only work they're supporting on the UBC campus.

Nor is it the only Canadian foundation allocating funds for the support of research at UBC. The Max Bell Foundation of Toronto recently approved three grants totalling \$628,500 for the support of projects in the Faculty of Law, the Institute for Asian Research and the Westwater Research Centre.

The Donner Foundation approved two grants totalling \$475,000 late in 1981 for projects in the Faculty of Education.

One grant of \$275,000 will enable UBC to establish an interdisciplinary program of teaching and research dealing with educational programs in Canadian correctional institutions.

The program, which will be co-ordinated through the adult education division of the education faculty, involves applied research, training and professional development of correctional educators, faculty seminars, summer workshops, distance education and facilitation of communication between UBC and the Correctional Service of Canada.

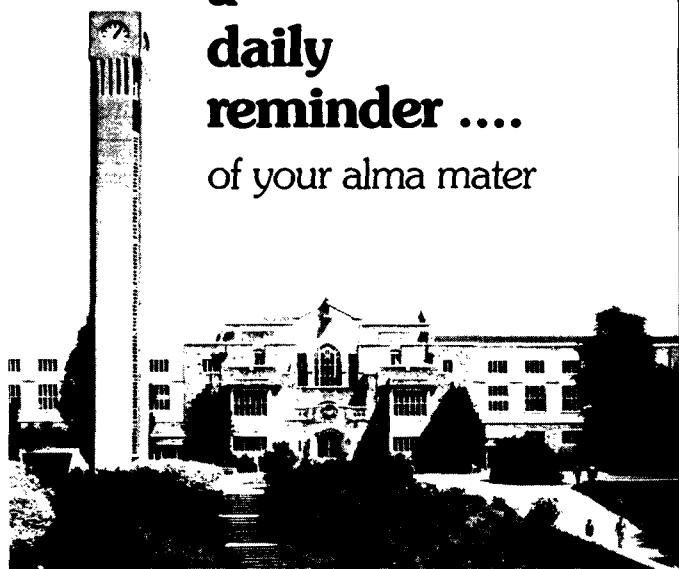
The program involves co-operation between a number of departments in the Faculty of Education and will include other kinds of specialists as additional training and research activities are identified.

The Donner Foundation has also approved a grant of \$200,000 to support the education faculty's Native Indian Teacher Education Program, which trains native Indians as school teachers.

Much of the grant will be used for program expansion at new NITEP centres in Prince George and Vancouver East, where students spend two years of their training program gaining practical experience and taking university-level courses before coming to the UBC campus for the final two years of their degree programs.

The NITEP program, which began in 1974, has now graduated 38 degree

Continued on Page 22
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Campus people

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UBC is now the operational headquarters for the Knowledge Network, the province-wide educational TV network established in 1980 as a non-profit society by the provincial government. From quarters in the Woodward Instructional Resources Centre, network personnel oversee the transmission of about 100 hours of public educational television beamed weekly to all parts of the province. Network president is Prof. Walter Hardwick of UBC's Department of Geography.

UBC's top research prize awarded to Asian studies teacher



Prof. Edwin Pulleyblank

Few of man's accomplishments are more wrapped in mystery than the creation of language, the chief means which humans have for expressing their thoughts and feelings and something most people take for granted.

Interest in how man went about creating language has expanded enormously in recent years and one of the frontier thinkers in the field is Prof. Edwin Pulleyblank of the Department of Asian Studies, who has been named the winner of UBC's top research prize for 1982.

As the recipient of the \$1,000 Prof. Jacob Biely Faculty Research Prize, Prof. Pulleyblank is being honored for more than 35 years of contributions to the disciplines of Chinese history and linguistics, fields in which he has a reputation as one of the world's leading scholars.

Prof. Pulleyblank's interest in the origin of language is an outgrowth of his research on Chinese linguistics, particularly his pioneering studies in reconstructing the pronunciation of ancient Chinese, which he began while professor of Chinese at Cambridge University in England from 1953 to 1966.

A native of Calgary, where he was born 60 years ago, Prof. Pulleyblank began his academic career at the University of Alberta, where he received his Bachelor of Arts degree with honors in classics in 1942.

After war work with the National Research Council in Ottawa and in England, he was awarded a Chinese government scholarship for study at the University of London, where he received his Doctor of Philosophy degree in Chinese history in 1951.

Thesis published

Four years later, his Ph.D. thesis was published by Oxford University Press under the title *The Background of the Rebellion of An Lu-shan*.

This volume has been described as a seminal work on the T'ang dynasty, which ruled China from the 7th to the 9th century A.D. and which is regarded as one of the highpoints of Chinese history, both in terms of imperial power and culture.

The An Lu-shan rebellion occurred in the middle of the T'ang dynasty and divides it in two. An Lu-shan, it turns out, was a foreigner of mixed Iranian and Turkish extraction, which led Prof. Pulleyblank to take a more than passing interest in foreign connections and influences in ancient China.

UBC reports

Nine members of the UBC faculty — five of them with more than 30 years of service — reached retirement age on June 30. Those with 30 or more years service are: Prof. Douglas Whittle, a member of the School of Physical Education and Recreation for 37 years; Prof. Elizabeth "Beth" McCann, of the School of Nursing, 35 years; Prof. Colin Gourlay of Commerce and Business Administration, 33 years; Dr. James Polglase, head of the biochemistry department, 30 years; and Inglis F. "Bill" Bell, UBC's associate librarian, 30 years.

His involvement in Chinese linguistics resulted from a combination of teaching the language and problems associated with identifying names in ancient Chinese script.

One of the main problems he's tackled over the years is reconstructing the way in which Chinese was pronounced in ancient times. He's been able to make a good deal of progress in this area by poring over rhyming dictionaries published in China from 600 A.D. on.

Poetry rhymed

The Chinese used rhyme in their poetry and the ancient dictionaries give the sounds used to pronounce words which sounded similar but which had totally different meanings.

Still highly problematical is any attempt to reconstruct pronunciation in, say, the time of Confucius (500 B.C.) or the beginnings of Chinese civilization more than 1,000 years earlier.

Prof. Pulleyblank plans to continue his attempts to reconstruct the pronunciation of Chinese earlier than the T'ang dynasty because of the possibilities that exist for linking Chinese to other languages, such as the group known as Indo-European, which includes English.

The chances of linking Chinese to other languages will be significantly improved if scholars like Prof. Pulleyblank can successfully reconstruct the pronunciation of the language as far back as the second millennium B.C.

"We know that Chinese is related to Burmese and Tibetan," he says, "and I have a strong suspicion that Chinese is related to Indo-European languages."

"That may sound far-fetched when you compare modern Chinese to any Indo-European language, but the kind of framework that I have reconstructed for early Chinese and the kind of structure one encounters in the Indo-European languages have some striking similarities. There are individual words that one can connect in both languages.

"When the Chinese first moved into Central Asia in the second century B.C., they encountered the Tocharians, a now extinct people who spoke an Indo-European language. Though we do not yet know how long the Tocharians had been there, there is no reason to believe they were recent arrivals and it is quite likely that the Chinese and Indo-Europeans had been neighbours for a very long time."

All of this scholarly activity has led Prof. Pulleyblank to speculate on how man came to invent language.

His interests lie in an area that academics describe as the "origin of duality of patterning in language," which Prof. Pulleyblank says boils down to the idea that you can use a limited number of sounds which are organized to express an unlimited number of words.

"If you begin by imagining the easiest and most natural way of inventing language," says Prof. Pulleyblank, "it seems logical to assume that man first invented a sound that corresponded to a whole word, rather than to part of a word.

"That's what the Chinese did in terms of writing their language. They invented characters, pictures of a whole word. I've been speculating on how one gets from using sounds that represented ideas to sounds that represented only parts of words.

"My theory is that man started with individual sounds, but they were all consonants. To take a simple example, the consonant sound 'shhhh' means keep quiet. But if you link two 'shhhh's' with the vowel, 'u,' you get shush, which is a word that also means keep quiet.

"So the theory, to put it crudely, is that you start with consonants and derive the vowels as connectors. In a more sophisticated form the hypothesis, which is derived from my research in historical linguistics, is about the nature of the distinctive features which are used in all languages to differentiate the sounds that form words."

Prof. Pulleyblank last year gave a paper outlining his theory to a conference on the origin of language sponsored by UNESCO. He fully expects that when the conference proceedings are published he'll have plenty of supporting — and dissenting — views to consider.

Ideas tested

But that, he hastens to add, is how ideas are tested, revised and, eventually, confirmed in academic circles.

Prof. Pulleyblank is the 13th winner of the Biely prize, which was first awarded in 1969. It was established by George Biely, a well-known figure in the B.C. construction industry, in honor of his brother, Prof. Jacob Biely, an internationally-known poultry scientist whose association with UBC spanned half a century and who died in June, 1981.

GRANTS Continued from Page 20

students and another 17 are teaching with educational certificates after completing three years of the four-year degree program. Prior to the start of NITEP, there were only 26 native Indians teaching in B.C., and only three had degrees.

The three grants approved by the Max Bell Foundation will support development of Japanese legal studies, finance a two-year research project on "Canada and the Changing Economy of the Pacific Basin" in Asian research, and enable Westwater to complete studies for a book on managing the coastal resources of B.C.'s Pacific coast.

A \$300,000 grant to the Institute of Asian Research will support seven studies focussing on major components of Canada's economic relationships with the countries of the Pacific and Asia.

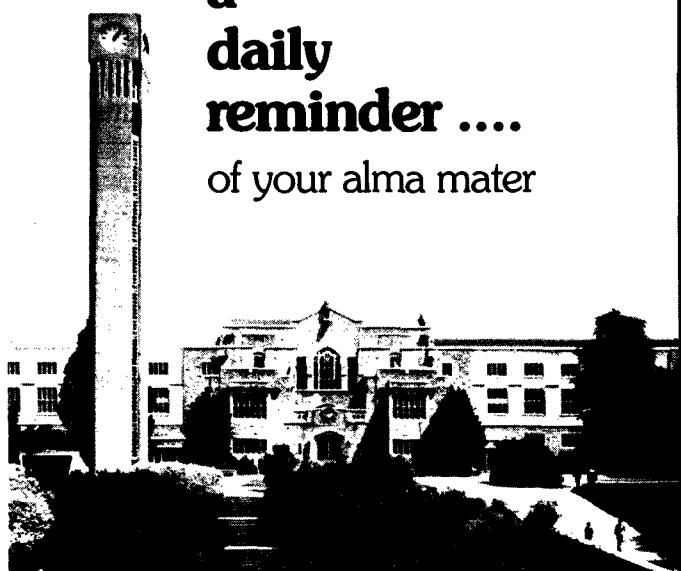
Nine UBC faculty members and one from Simon Fraser University will be involved in such research topics as the flow of investment capital among Pacific Rim countries, the effect of economic growth in the Pacific basin on potential growth in B.C. and Alberta and the economic contribution of East Indians to B.C.

A Bell Foundation grant of \$275,000 to the Faculty of Law will foster the development of Japanese legal studies over the three-year period.

The grant has enabled the appointment of a faculty member as director of Japanese legal studies and provides for research projects by ten members of the law faculty comparing selected areas of Japanese law and legal institutions, with special emphasis on the legal aspects of Canadian and Japanese business and economic relations.

The third Bell Foundation grant of \$53,500 to Westwater will enable that centre to synthesize results from a coastal resource management project carried out over the past five years and define priorities for completing the program over the next three years.

The centre will also publish a book drawing on a number of completed studies, including Fraser River estuary management, salmon protection and the B.C. forest industry and off-shore oil and gas exploration and development.



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Spotlight

20s

Hugh L. Keenleyside, BA'20, LL.B.'45, has written the first volume of his memoirs, *Hammer the Golden Day*. The former Canadian ambassador to Mexico and chairman of B.C. Hydro was in the first class at UBC, and he includes descriptions of his undergraduate days in the "Fairview shacks" in his new book.... **Dr. Masajiro Miyazaki**, BA'25, received a letter from University of Victoria president Howard Petch in May asking permission to use his name for a scholarship for the Cariboo College region. Dr. Miyazaki lives in Lillooet, and is a member of the Order of Canada.

"Considerable adjustment is necessary in one's activities and outlook," writes **Lester DeWitt Mallory**, BSA'27, MSA '29 (PhD, Berkeley) from Laguna Hills, California. He has retired once more, this time from the University of Guadalajara, where he taught, wrote, and helped start the school of anthropology. He retired from the U.S. diplomatic service in 1960 and from the Inter-American Development Bank in 1968.... Former Williams Lake teacher and community leader **Anne MacKenzie Stevenson**, BA'27, received an honorary Doctor of Laws degree from Simon Fraser University at the spring, 1982 convocation. She is a founder of Cariboo College, served many years on the school board, and has had a junior secondary school in Williams Lake named after her. She was lauded for "the quiet, unsung, often tedious and trying volunteer work" which included promoting the native peoples' culture in the Cariboo region.



Anne Stevenson

30s

All nine members of UBC's 1930 world champion women's basketball team were inducted into the B.C. Sports Hall of Fame in June. The winners beat France in the final game in Prague, says **Lois Marion Tourtellotte Fisher**, BA'31. Her team mates were **Claire Menten Barberie**, BA'30, **Irene Mary Rene Burtch**, BA'30 (deceased), **Thelma Cornwall**, BA'30, **Jean C. Whyte Sheldon**, BA'31 (deceased), and former UBC students **Mary Campbell**, **Florence Carlisle**, **Rettie Mayers** (deceased), and **Marian Shelly**.... A \$250 bursary has been established by the friends of **Ann McCullough**, BA'30, who worked in the Registrar's office and the Faculty of Agricultural Sciences for more than 30 years. A trust fund open for further contributions has also been established.... **Sidney Thomas "Tom" Parker**, BA'31, MA'34, (Ph.D., Cincinnati) has retired from the department of mathematics of Kansas State University, where he has taught since 1947. He was one of the first to gain hands-on experience with computers and became director of the new computing facility at KSU in 1958. He hopes to spend considerable time in B.C. during his retirement.

Robert W. Keyserlingk

Commercial fishing in B.C. to earn tuition fees; farming in Lithuania; and interviewing Hitler and Mussolini.

All in a lifetime's work for Robert W. Keyserlingk (BA'29), who, since his birth in Russia in 1905, has travelled more miles, met more makers of history than most of us dare dream about.

Keyserlingk was barely adolescent when the Russian Revolution exploded. The family fled Vladivostock (where his father, a navy man, was stationed) to Japan.

It was at the Canadian Academy in Kobe where he met, as he says, "many people who subsequently went to UBC," influencing his decision to attend UBC several years later.

In Shanghai, his next home, Keyserlingk attended an English public school, gaining his Senior Cambridge matriculation. Then came an 18-month stint as a fisherman and logger in B.C. to earn enough money to put him through university. By 1927 he had managed it, and graduated in '29 with honors in history and economics.

From UBC it was back to Lithuania to his uncle's farm, where as oldest nephew he was expected to settle down. Restless, he left for Berlin and landed an "on-again, off-again" job with United Press, ending up as head of

Margaret R. Erskine, BA'32, was the first guest speaker in 1958 at the annual technologist course in Kamloops, and has returned each year to the seminar....

Murray E. Garden, BCom'32, was lauded recently in a Kimberley newspaper for his many years of work and service in that community. He had served as an alderman, and retired in 1975 from the hardware business.... Judge **Frederick K. Grimmet**, BA'32, has retired from the Chilliwack county court after 30 years service.... The B.C. and Yukon Chamber of Mines recognized the contribution of two UBC alumni at its annual meeting. **Alexander Smith**, BA'32, MA'33 (Ph.D., Cal Tech), received the H.H. "Spud" Huestis award for excellence in prospecting and

its European department.

The years 1932-34 were some of the most exciting of this century, and Keyserlingk interviewed among others, Hitler and Mussolini and witnessed Japan's withdrawal from the League of Nations in 1933.

In 1937 he settled in Montreal, becoming managing director of British United Press.

His first book, *Unfinished History*, was published in 1948.

"It's European history from the early 1900s up to World War II, based on my journalistic experiences," he says.

The Fathers of Europe, his second book, appeared in '72. And a third was written after he 'retired' — *The Dragon's Wrath*, published this year.

It depicts the historical background of tension between China, Japan and Russia.

His plans for the future? "I want to watch my grandchildren grow up." And with 15 to watch, he may have embarked on a whole new career.

Louise Ratelle

mineral exploration. And **J. Harvey Parliament**, BASc'45, and president of Newmont Mines, was presented with the Edgar A. Sholtz medal for his contribution to mine development. Striving to preserve B.C.'s farmland as part of the seven-member agricultural land commission are chairman **Mills F. Clarke**, BSA'35, MSA'37 (Ph.D., Penn State), and agrologist **Ian D. Paton**, BSA'50.... **Anna Mason**, PhN'38, was honored by the Penticton Rotary Club in February as its citizen of the month. The award was given for "dedicated and unselfish service (that) has been far beyond the bounds of duty." She was senior nurse in the South Okanagan Health Unit from 1943 until her retirement in 1975.



40s

Former B.C. MLA **Ray Williston**, BA'40, and Dean Emeritus of Law **George F. Curtis**, Q.C. (LLB, Saskatchewan, BA, BCL, Oxford), the first dean of law at UBC, were among five people receiving honorary Doctor of Laws degrees at Spring Congregation.... Stopping briefly in Vancouver in August on her way to Tonga, near Fiji, **Dr. Beverly Du Gas**, BA'45, EdD'69 (LLD, Windsor), is scheduled to spend a month there doing a medical manpower survey. She is now coordinator of continuing education at the University of Ottawa School of Nursing.... Dean of the Graduate School of Education at U.C.L.A., **Dr. John I. Goodlad**, BA'45, MA'46 (PhD, Chicago), received an honorary Doctor of Education degree from Eastern Michigan University. He was cited as a distinguished educator, renowned researcher and author, who is responsible for establishing one of the most prestigious educational research centers in the U.S.

Dr. George Cameron Anderson, BA'47, MA'49 (PhD, Washington), has been appointed director of the School of Oceanography at U. Wash. He has been with the university since 1977.... **John D. McAuley**, MA'47 (EdD, Stanford), is now professor emeritus at Pennsylvania State University, where he has taught since 1958.... **John O. Klein**, BA'48, BEd'62, MEd'65, has retired from teaching high school, to his home town of Agassiz. He taught at Prince Rupert for the last 11 years.... Though he earned an international reputation for developing biological control for insect pests, **Norman V. Tonks**, BSA'48 (MSA, Oregon State), was never successful in reducing the paperwork menace. But that may change, as his colleagues presented him with a giant red-tape-eating mite when he retired this spring from the Saanichton Research Station on Vancouver Island.

Winner of the 1978 UBC award for Canadian biography with his book on B.C.'s first lawyer Sir Matthew Begbee, was **David Ricardo Williams**, BA'48,

LLB'49, who has another book out. This time, it's an account of the case of Simon Peter Gunanoot, accused and later acquitted of a double murder in the early years of the century near Hazelton.... **Louis B. Beduz**, BA'49, BEd'58, retired in March from his position as Superintendent of Schools for the Creston-Kaslo district. He and his wife, Meta, celebrate their 30th wedding anniversary this year.... **Percy Gitelman**, BSA'49, president of UFL Foods of Ontario, was recently in East Africa as a consultant with the International Development Research Centre making recommendations on food security.... A new book by Vancouver consulting geologist **Lewis Howard Green**, BSc'49 (MSc, PhD, Wisconsin), called *The Boundary Hunters*, was published this spring by UBC Press. It chronicles the demarcation of the Alaskan boundary from 1835 to 1920, and the often heroic surveyors who accomplished the difficult task.... The key to being a successful judge for the city of Kamloops lies in keeping his "mouth shut and...ears open," according to newly appointed county court judge **Robert (Robbie) Robinson**, LLB'49. He is a founding member of the Kamloops Bar Association, and has practised law in that city since 1953.

50s

New appointees to the B.C. Institute of Technology board of governors are **Edward Victor Hird**, BASc'50, **Thomas Arthur Cook**, BCom'55, and **Marilyn Chilvers**, BA'60.... **Neil A. Macdougall**, BASc'50 (MBA, Toronto), was awarded a second diamond to his gold glider pilot's badge by the Federation Aeronautique Internationale in Paris. He is president of the Technical Service Council in Toronto.... Globetrotter **Shirley Manning**, BA'50, has settled in California after working in the U.K. and Saudi Arabia. She has established an agency called Publication Arts Network which represents writers, editors, and graphic designers.



Brian Lendum

"If you're going to live in the Yukon, you have to experience the outdoors."

Even if you're blind and live alone.

That's the philosophy which guides **Richard Brian Lendum**, BA'73, MA'77, who has been blind since the age of two. Through the bitter Yukon dawn he commutes the 47 kilometres between his isolated log cabin and his office job in Whitehorse. In winter, he skis; in summer, he bicycles...

He works for the Department of Indian Affairs and Northern Development.

The 32-year-old rises with the birds and straps on his cross-country skis to stride the six long kilometres to the highway where he hitches a ride to work. In the summer he bicycles part of the way.

The spring issue of the *Chronicle* said **Leslie Armour**, BA'52 (PhD, London), was co-author of a booklet, *The Faces of Reason*. The "booklet" is in fact a 548-page book. He is also author of *The Idea of Canada and The Crisis of Community*, and teaches at the University of Ottawa.... **Margaret Street**, associate professor emeritus of the School of Nursing has been appointed a member of the

Edmonton Journal

"Skiing in winter is easier because I just follow the grooves of cars and trucks along the road," he says. His method of commuting is not without hazards, and occasionally he bumps into trees.

"The people at the office will sometimes comment on the shape my nose is in. Every week or so I show up with a new scratch or bandage."

But being blind has never stopped Brian from doing what he wants. After obtaining his masters degree in French from UBC, he taught at the Jericho Hill School for the blind.

Then he taught French to Canadian Forces officers stationed in the Queen Charlotte Islands.

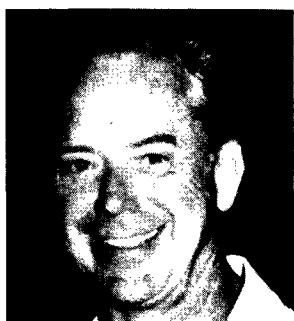
After that he was off to Europe to study French and music in Switzerland for two years. On his return to Canada, he headed for the north to new adventure....

Order of Canada. She taught nursing at UBC from 1952 until her retirement in 1972.... New manager of technical research and development with the Cominco company in Trail is **Charles A. Sutherland**, BASc'52. He has been with the company since graduating, and was lately the development manager at the Trail plant.... B.C. Supreme Court Justice **John C. Bouck**, BA'54,

LLB'55, was awarded a certificate of excellence from the B.C. Trial Lawyers Association in March. It was the first time that Canadian lawyers have publicly recognized a judge in office.... **J. McEwan Macintyre**, BA'55, BSW'56, MSW'57 (DSW, USC), was appointed Director of the McMaster School of Social Work on July 1, 1981. He has been a faculty member of the School for 11 years.

Jean Miyazawa Turnbull, BA'55 (MLS, Washington), will chair the Academic Council of B.C.'s department of education for the term ending Jan. 31, 1983. A former member of the board of Selkirk College and the Trail school board, she is married to **John D. Turnbull**, BASc'55, MAsc'58, assistant manager of Cominco in Trail.... **James L. Denholme**, BASc'56, president of the Canadian Certified General Accountants Association, is also president of Sparrow Resources Ltd. of Calgary.... Onetime Thunderbird football team player **Ralph Edward (Buzz) Hudson**, BCom'56, LLB'57, was sworn in this spring as a judge of the B.C. provincial court.... After eight years as principal of Killarney secondary school in Vancouver, **Minoru Sugimoto**, BA'56, MEd'66, is being transferred to Eric Hamber secondary. Students, teachers and parents signed a petition protesting his transfer to no avail.... **Robert Wyman**, BCom'56, is optimistic about the country's future. The director of the Vancouver Board of Trade and president of Pemberton Securities is giving lectures on such topics as "Canada: the potential still exists"....

New Westminster Chamber of Commerce president is **Ralph Kitos**, BCom'57.



Dr. John Hall

Assessing the physical and emotional fitness of pilots is

one task of Dr. **John G. Hall**, MD'56, chief of surgery at Castlegar and District Hospital in the Kootenays. He was recently elected to the board of directors of the Civil Aviation Medical Association.... **Hamish I. F. Simpson**, BA'57 (DipEd, Oxford), has been appointed director of the Lester B. Pearson College of the Pacific in Victoria. He was headmaster of Glenlyon School in Victoria.... **Alice Baumgart**, BSN'58 (MAsc McGill), Dean of the Faculty of Nursing at Queen's



Alice Baumgart

University, lectured on the topic of "Myths, Modes, Madness" at this year's Scholarly Lecture sponsored by the University of Manitoba and the Victorian Order of Nurses.... **Capt. Jan Drent**, BA'58, is Chief of Staff (Readiness) with Maritime Forces Pacific. He formerly served as a commanding officer on destroyers and as a Canadian naval attaché in the Soviet Union.... **Jack Marshall Forbes**, BASc'58, has been appointed director of Health and Welfare Canada's health protection branch for the western region....

Life proceeds by degrees for **Agnes Jean Groome**, MA'58; BA'38, BEd'50 (Saskatchewan) and a Theology degree (St. Andrews); MA'67 (Regina), topped by a PhD (Colorado). She just received her seventh degree: Master of Divinity, St. Andrews. She plans to continue teaching education at the University of Regina until retiring to do full time church work.... Avid skier and pilot **George Walter Lamperson**, BA'58, LLB'61, has been appointed judge for the County Court of Yale. The former Kamloops lawyer became a provincial court judge in 1974 before gaining the federal appointment.... **Raymond R. Robinson**, BA'58, was appointed head

of the federal Environmental Assessment Review Office. He comes to the office of executive chairman after eight years with Environment Canada.... **Werner Forster**, BArch'59, has left his mark on some of the finest eateries in town, including designing the landscaping and lighting for Umberto Menghi's exotic dining spots.... Canada's senior trade commissioner in Los Angeles, **David Earl F. Taylor**, BSF'59, wants to persuade Californians to give up their cars and adopt Canadian rapid transit technology. But nothing is certain yet....

Helping doctors in their fight for more money from government health ministries has been a "larger challenge than I expected" for **Benjamin B. Trevino**, LLB'59. The Vancouver labor lawyer has worked for medical associations in B.C., Saskatchewan and Ontario during the last two years.... Publisher and advertising director **Gary S. Zivot**, BCom'59, has started a new magazine in Toronto entitled *Goodlife*. He had previously been involved with the Toronto *Calendar* magazine.

Queen's Counsel.... Continuing the age-old tradition of the cottage industry is **Lois Alice Halls Kemp**, BHE'61, whose quilts and needle work have won her recognition around Vancouver.... **Frances (Sandy) Chowne Duncan**, BA'62, has published three novels for children, two books for adults, and numerous short stories. She and her husband, Norman, BA'63, MEd'69, live in Vancouver.

Inventing a better hat has won an expanding market for **Alexander Joseph Tilley**, BA'62. His sailing hats, first made in 1980, will be used in the singlehanded-around-the-world yacht race starting in September. Tilley is an art dealer in Toronto.... Former music director of the UBC orchestra, **Willem Bertsch**, BMus'63 (MMus, Texas) directed the Suzuki Institute in Penticton in July. He is the conductor of the Melbourne Symphony Orchestra in Florida.... **Forester Kenneth John Ingram**, BSF'63, is the timber, range and recreation manager for the Vancouver Forest Region.

Audrey M. Kerr, BLS'63, will be Librarian-in-Residence at Dalhousie University this fall. She is the medical librarian at the University of Manitoba, and professor in the Faculty of Medicine.... Moving from superintendent of schools in the Trail school district to the Penticton district is **Gilbert Charles (Gib) Lind**, BA'63 (MEd, Eastern Washington).... Victoria resident **Teresa Ann McVittie Reksten**, BA'63, has several published articles and books to her credit, including *Rattenbury*, about one of early B.C.'s most famous — and notorious — architects.... Because the embryos of Mexican salamanders are similar to human embryos, **Dr. John Armstrong**, BSc'64 (PhD Wisconsin), is using them in his research on genetic development. The transparency of the embryos allows researchers to calculate the effects of chemicals and radiation.... **Brian W. Mitchell**, BCom'64, is president of Canadian Stevedoring Ltd. **Philip F.W. Bartle**, BA'65, MA'71 (PhD Ghana), has switched from sociology and economics to being community planning advisor for a development program in northern Ghana.... After

60s



Dr. Gustav Christensen

Another UBC writer is **Gustav S. Christensen**, MASC'60, PhD'66, co-author of *Optimal Economic Operation of Electrical Power Systems* published by the Academic Press, 1979. He teaches electrical engineering at the University of Alberta, Edmonton.... And **Lillian B. (Beth) Greenwood**, BA'60, MA'65, has two novels in progress. Her first novel, *The Street Sparrows*, was published under the name Rose Ayers.... Kamloops lawyer **Robert Bernulf (Bob) Hunter**, BCom'61, LLB'62, has been named a

three years of research, **Alison Clarke-Stewart**, BA'65, MA'67 (PhD Yale), is convinced that children who attend day care centres learn social and behavioral skills faster than children kept at home. Her book *Day Care* was to be published this fall by Harvard University Press.... **William Arthur (Art) Forgay**, BLS'65, recently retired as school library consultant for Saskatchewan, was doubly honored at the annual Canadian Library Association conference in June. He won the Margaret B. Scott Award of Merit and the Frances Morrison Award for outstanding service to libraries in Saskatchewan.... Former president of Selkirk College **Bruce Fraser**, BSc'65, PhD'70, was named president of Malaspina College in Nanaimo in April.

The theatics of fashion is the specialty of **Mary Alison Green**, BA'65, a set and costume designer for Vancouver's Arts Club Theatre.... **Darryl M. Herbert**, BSc'65, MSc'67, PhD'73, is the new biologist for the Williams Lake fish and wildlife region.... Music often becomes a series of festivals for **Kathleen L. Keple**, BMus'65 (MM, Indiana). In addition to teaching piano, and adjudicating music festivals, she is first vice-president of the Canadian Federation of Music Festivals. **Lillian Irene Ward**, BED'65, is anticipating a move to Peru from her position with the Instituto Linguistico de Verano in Beni, Bolivia.

William Alan Blair, BSA'67, LLB'73, recently became provincial court judge for the county of Yale.... "Happily looking forward to a career as a country G.P. in Australia" is **Judith Anne Vennin Hamel**, BSc'67, (MSc, Flinders; MBBS Adelaide).... A first novel by **John Keith Harrison**, BA'67 (PhD McGill) is a tale of cultural confrontations in Montreal and Vancouver, and is entitled *Dead Ends*, published by Quadrant Editions.... **Douglas Allan Little**, BSF'67, is vice-president of Northwood Pulp and Timber.... **Robert M. Sitter**, BASc'63, MBA'69, is vice-president of Whonnock Industries.... and **John W. (Jack) Toovey**, BSF'60, stepped down as Association of B.C. Professional

Foresters' president, while the new vice-president is **Peter Ackhurst** BSF'66.

Music teacher **Leah Gail Schulz Muliner**, BMus'67, directs the Kamloops Youth Choir.... **James A. Swetlikoe**, BSc'67, sends "cheers from sunny Australia," where he has joined a private consulting firm specializing in computer based control systems.... Successful potter **Denys Alfred James**, BED'68, teaches at the Emily Carr College of Art in Vancouver.

Dealing with B.C.'s tumultuous labor scene is **Stephen F.D. Kelleher**, BA'68, LLB'73, recently appointed chairman of the Labor Relations Board. He succeeds **Donald R. Munroe**, LLB'70, who is now teaching labor, constitutional and criminal law at UVic.... **Sister Patricia Kelly**, BSN'68, recently returned to Moose Jaw's Providence Hospital as director of pastoral care....

70s

Janice M. Davies, BSC'70, assistant professor with the University of Calgary's Department of Anaesthesia, now is also director of the anaesthesia research lab.... **Patricia R. (Pat) Skolse**, MSW'71, is a casework supervisor for the Alberta Social Services department in Calgary.... Moving to Edmonton to become the head of the timber management planning for the Alberta government is **Evelynne M. Wrangler**, BSc'71.

One of those lucky souls who gets to read on the job is **Victor E. Currell**, BA'72, MSL'79, librarian at the Centennial Library in Terrace.... **Thomas Grigliatti**, PhD'72, is doing research on fruit flies that age five times faster than normal at slightly higher temperatures. **Tom MacKinnon**, LLB'72 (LL.M., Sheffield), has been called to the Bar of England and Wales as a barrister in London.... After 10 years in the federal civil service, **Robert G. (Rob) Shaw**, BA'72, is off to manage a country pub in Gloucestershire, England. From 1977 to 1980 he was second secretary to the Canadian



Peter Hulbert, *The Province*

Mary Whitney

Serving summons and tracking down missing people is a pretty unusual job for someone who once wanted to be a librarian, but **Mary Whitney**, BA'76, loves her work as a private investigator.

"I've been a snoop ever since I was a little kid," she said. "If someone is being deceitful, I want to be there to see when they let their hair down."

One of the few female private investigators in the province, Mary studied sociology at UBC, and is a former RCMP plainclothes officer. She now works for STC Investigations Inc. — mostly in divorce, summons-serving and missing persons cases.

She's good at her job, but occasionally she'll run into a client who thinks that all sleuths have to look and act like Philip Marlowe or Sam Spade.

"Sometimes people don't take me seriously when they phone," she said. "They ask whether they can speak to my mother."

And her investigative techniques differ somewhat from the tough-guy methods depicted on TV and in movies.

"I don't use brute force. I charm my way into people's lives." But the 29-year-old does, however, admit to owning a pair of binoculars and a trenchcoat.

Along with the unusual line of work come some pretty strange requests.

And being awakened in the middle of the night by clients calling for advice on their personal life also seems to be part of the job.

"I'm not a marriage counsellor, but what do you do at 3 a.m. in the morning?"

Although Mary likes snooping, she says her parents would have been happier if she had become a librarian.

"They thought that a woman's place was in the house, in the kitchen, making pasta and I refuse to make pasta. I'd just as soon be out there skulking around."

is **Merran L. Acaster Twigg**, BA'72.

Patrick Wedd, MMus'72 (BMus, Toronto), of Vancouver's Christ Church

Cathedral, will perform the first concert on the organ of Toronto's new Roy Thompson Hall. He began teaching organ at UBC this fall. And fellow organist **Mark Ernest Toews**, BMus'77 (MMus, Michigan), is taking a doctorate in music at Michigan....

Filmmaker **Chris Gallagher**, BA'78, had seven of his short films shown at the National Film Board Theatre in Vancouver.

The first woman executive director of the Canadian Cancer Society's B.C. and Yukon Division is **Phyllis H. Wright Hood**, BSN'73, (MA Washington). She was formerly assistant to the president of Vancouver General. **Terrance R.**

Greenberg, BA'74, is off to Thailand as the Canadian embassy's vice-consul.... **David K. Haley**, BSF'74, is "very excited" about his new position as the first municipal forester of the North Cowichan district on Vancouver Island.

B.C.'s first director of tourism industry educational services is **Richard H. Lemon**, BA'74.... **F. Louise Ball**, BA'75 (MA, MPH Berkeley), has been accepted as a clinical psychology intern at San Francisco General Hospital.... Former Olympic volleyball team captain **Elizabeth Baxter**, BPE'75, is living in Ottawa and coaching Canada's national women's volleyball team.... Newly-appointed as consultant for the Shuswap school division's special education branch is **Alastair J. Ferguson**, BED'75, DELNR'76, MED'80....

Renaissance and Elizabethan music is the specialty of **Peter J. Hannan**, BMus'75, and **Erica J. Northcott**, BMus'77.... **Glynnis Marie Horel**, BASc'75, is a geotechnical engineer with Hardy Associates in Dawson Creek.

Both **Robert McMechan**, BSc'75, and his wife **Margaret Mann**, BSc'75, received Doctor of Philosophy degrees in geological sciences from Queen's University in October, 1981.... Law professor **Bradford W. Morse**, LLB'75, went to New Zealand and Australia last summer while on sabbatical from the University of Ottawa.

Peter J. Lenhardt, MSc'76 (BSc Guelph), is off to Zaire to teach agriculture.

Administrator for Parksville is **Grant McRadu**, BA'76.

Charting caribou migration patterns keeps Yukon biologist **Don Russell**, BSF'72, MF'76, on his toes.

It's all a lot of jazz for drummer **Philip B. Belanger**, BMus'77, and pianist **Kim Darwin**, BMus'76. The Vancouver musicians recently toured B.C. interior towns with the Dave Quarin Quartet.... Poet **Roo Borson**, MFA'77 has several published works to her credit. She is the author of *Rain and In the Smokey Light of the Fields*.... **Joseph G. Bowes**, BComm'77 (MBA, Western), has returned to Vancouver to join Price Waterhouse Associates. Writer-actors **Morris Panych**, BFA'77, and **Ken MacDonald**, BA'72, are the masterminds behind the successful satirical play *Last Call*, which played to packed Vancouver theatres this spring and summer.... And another writer, **Linda Svendsen**, BA'77 (MFA Columbia), is writer-in-residence at Western Washington University. Since winning the American Short Story contest in 1980, she has been writing at Radcliffe College on a Bunting Fellowship award.... Actor-director **Eric D. Epstein**, BA'78, returned for a visit from England to present *Four Farces*, a quartet of one-act Anton Chekhov plays, at the City Stage Theatre in Vancouver.

Maria F. LeRose, BA'78, is starting her second season as a host of a Vancouver TV talkshow.... **Gregory M. McKelvie**, BSc'78, received a Doctor of Pharmacy degree in May from the Philadelphia College of Pharmacy and Science. He has accepted a post with Victoria General Hospital as a paediatric clinical pharmacist.... **Susan Lee Painter**, MA'78, PhD'80, is head of the newly-created National Clearinghouse on Family Violence, an organization to help victims of family violence.... Archaeologist **David Pokotylo**, PhD'78, and UBC students spent the summer digging near upper Hat Creek valley looking for artifacts left by B.C.'s early inhabitants.

Paul Ronald Sanberg, MSc'79 (PhD Australian National University), is now a postdoctoral fellow at the neuroscience and neurology department of Johns Hopkins University School of Medicine in Baltimore....

80s

Basketball and success are just two of the things that **Kathryn C. Williams Shields**, BPE'80, and **Kenneth W.D. Shields**, BPE'69, have in common. The husband-and-wife team coach varsity squads at the University of Victoria, where their teams have won three Canadian championships each in the last few years.... Returning from a year in Paris studying cooking at La Varenne is **Lesley D. Stowe**, BA'80, who became the resident instructor at Vancouver's Wise Owl Cooking School.... **Spectrum/Spectrum/Spectrum**, by **Karen Patrice Firus**, BA'81, won the Canada Kodak Award for best student film.... CUSO volunteer **Jacqueline Patricia Jacob**, BASc'81, is off to Mozambique as a poultry specialist.

BIRTHS

Rev. Allen John Aicken, BA'63, and **Janice E. Campbell Aiken**, a daughter, Nicole Paige, by adoption on April 27, 1982 (born January 23, 1978), in Calgary.... **Philip F.W. Bartle**, BA'65, MA'71 (PhD, Ghana), and **Elizabeth Quayson**, a daughter, Amanda Jean Sunday, February 28, 1982, in Victoria.... **Pamela Ann Atkinson Brown**, BSW'76, and **Kenneth Allan Brown**, BCom'74, a daughter, Cydney Cara, October 21, 1981, in Nanaimo.... **Vickie Young Cappis**, BEd'72, and **Al Cappis**, a daughter, Maria Louise, December 9, 1981, in Lacombe, Alberta.... **Julia Power Erdmann**, BMus'72, BLS'74, and **Karl E. Erdmann** (BSc, Sir George Williams), a daughter, Wendy Anne, December 28, 1981 in New Westminster.... **Ricky J. Longton**, BASc'76, and **Elizabeth Longton**, a son, Roy Frederic, February 13, 1982, in Clarksville, Tennessee.... **Hugh Stephen MacKinnon**, BEd'78, and **Kathleen Mary Munro MacKinnon**, BEd'79, a son, Scott Joseph, January 5, 1982, in Calgary.... **Richard E. Mansell**, BEd'68, and **Cherie Kassiones Mansell**, twins, a son, Ki, and a daughter, Kendra, December 18, 1981, in Waterloo, Ontario.... **Ian Richard (Rich) Mayers**, BSc'68 (MSc, Washington), and **Heather Jean Lake Mayers**, a son, Nigel Geoffrey, April 6, 1982, in Calgary, and brother to Jennifer Patricia, March 14, 1979,

also in Calgary.... **Peter G. Merchant**, BAsc'76, and **Valerie Merchant** (BSc, London), a son, Michael John, May 16, 1981, and a brother to Madeleine Claire, July 17, 1979, both in Poole, Dorset, England.... **Daniel J. Millar**, BSc'78, and **Alice B. Gilbert Millar**, BHE'78, a son, Jamieson Tyler, June 6, 1982, in Calgary.... **Kim P.J. Miller**, BCom'78, and **Margaret G. Dallyn Miller**, BA'80, a son, Dale Melvin John, January 27, 1982, in Kitimat, B.C.... **Norman O'Donnell**, BA'73 (BED, MA Gonzaga), and **Anne Yuill O'Donnell**, a son, Braden Norman Yuill, April 17, 1982 in Kelowna.... **Linda L. Kerr Riddle**, BA'68, and **Ken Riddle**, a daughter, Elizabeth Suzanne, January 7, 1982, in Greenwood, B.C.... **Dorte N. Christensen Pittaway**, BA'77, and **Geoffrey W. Pittaway**, a daughter, Margot Lisse, August 3, 1981, in Queenstown, New Zealand.... **Deborah M. Rota**, BA'74, LLB'77, and **Kenneth J. Koscielski**, a son, James, January 3, 1982, in Vancouver.... **Robert Chester Shaw**, MA'75, a son, Ryan Robert, August 9, 1981, in Scottsdale, Arizona.... **Dr. Terry Simpson**, MD'70, and **Sharon D. Howatt Simpson**, BSN'71, a daughter, Sarah Howatt, December 29, 1981, in Kamloops.... **Martin T. Summers**, BMus'75, and **Karen Ann Dickie Summers**, a son, Tyler Maxwell, August 3, 1980, in Burnaby.... **James A. Swetlikoe**, BASc'67, and **Theresa Margaret Swetlikoe**, a son, Michael James, December 23, 1981, to join sisters Lisa and Monique, in Sydney, Australia.... **Janet K. Letourneau Zukus**, BPE'74, and **Dwight H. Zukus**, BPE'74, a daughter, Natasha Anne, February 2, 1982, in Vancouver.

WEDDINGS

Susan Aizenman, BA'67, to **Marvin David Millman** of New York City, on May 31, 1981.... **Luigi Bassani**, BEd'79, to **Anne S. McNab** (BSc, St. Andrews, Scotland), July 17, 1982, in Grangemouth, Scotland.... **William M. Kershaw**, BSc'74 (LLB, Toronto), to **Susan Milner Cody** (PhD, Toronto), on December 5, 1981, in Toronto.... **A. David Law**, BASc'77, MBA'80, to **Barbara J. Scott**, BA'78, in August, 1981.... **Ruth A. Lovell**, MLS'78, to **Peter Rene Scott**, on July 20, 1981, in Nanaimo.... **Jane Ann McMillan**, MA'77, to **Jay Ginter** (MSC, New York), March 21, 1982, in California.... **Griffith Macklin Marshall**, BCom'79, to **Barbara J. Peters**, BSN'80, on February 20, 1982.... **Joseph Valentinuzzi**, BSc'75, BASc'81, and **Estrina Piccolo**, BEd'73, May 8, 1981, in Vancouver.

DEATHS

Allan G. Ainsworth, BA'46, spring, 1982. A barrister and solicitor, and past president of the B.C. Conservatives Association, he was also a Gamma Omicron Beta who won a Rhodes Scholarship at Oxford from 1946 to 1949. Survived by his wife, Mary Howard Oxley, BA'48, three daughters and one son.

Ian T. Cameron, BASc'40 (BSc Sask), January, 1982 in Victoria. During his 24-year career with the B.C. Forest Service, Cameron became the province's chief forester in 1972 and retired in 1974. Survived by his wife, Ruth.

Eva M. Cernetic, BEd'79, May, 1982 in Prince George. She was one of three UBC students to graduate from an experimental five-year degree program in special education. She worked with emotionally disturbed children in Prince George. Survived by her father, Dragan, BA'63, MA'68, and her mother. A memorial fund in her name has been established by the Prince George School District.

Claire Turnbull Confer, BLS'69 (BA Ottawa), spring, 1982. From 1973 to 1980 she was head of reference and public services department at McGill's medical library. Survived by her husband, Cal, and daughter, Sarah.

Jacqueline Dearman, LLB'79 (BA UVic), December, 1981 in Victoria. A member of a Surrey law firm, she was commanding officer of 767 (Whalley) Royal Canadian Air Cadet Squadron in Surrey, and held the rank of lieutenant. In 1980 she won the title of Business and Professional Woman for B.C. Survived by her parents.

John C. Dixon, BComm'58, February, 1982 in Vancouver. He left behind "a thousand friends."

John L. Farrington, BASc'28, March, 1982. He was general manager for Amalgamated Tin Mines of Nigeria, one of the largest mines in West Africa. Survived by his daughter, Patricia.

Hugh C. Ferguson, BA'42, November, 1981 in West Vancouver. From 1928 until the war he taught at Qualicum Beach Elementary before becoming principal of Campbell River Secondary. During World War II he was an RCAF flight lieutenant and was awarded the Burma Star. From 1948 to 1974 he held posts throughout the province as Inspector of Schools and Superintendent of Schools. Survived by his wife, Anne, BA'46; daughter Jeanie, BEd'77; and son Ian, BA'74, MA'77, MLS'79.

Jean Isabel McGeachy French, BA'32, December, 1981, in Vanderhoof. The daughter of pioneers in the Vanderhoof

area, she returned to the community to teach school after graduating. Survived by her husband, brother, sons, daughters-in-law and granddaughters.

Benjamin Lee Gordon, MD'71, April, 1982. He became assistant professor and head of Clinical Immunology and Allergology at UBC's Department of Paediatrics from 1972 to 1973. From 1975 onwards he was an associate professor of tropical medicine at the University of Hawaii. Survived by his wife, two sons and one daughter.

May Gross, BA'38, April, 1982 in Vancouver. She was appointed social worker for the Children's Aid Society, and became first president in 1966 of the Social Planning and Review Council of B.C., which she helped form. She also helped found TRACY — an organization designed to meet the needs of adolescents. Survived by a son, Robert; two daughters, Judy and Jean; and four grandchildren. A memorial fund has been set up in her honor.

William R. Hatch, BASc'57, April, 1982. He was employed with the Aluminum Co. of Canada in Kitimat since 1955. Survived by his wife, Mary Helen.

Edward Campbell Hay, BASc'30, March, 1982 in Vancouver. He worked for Canadian Westinghouse Co. in Hamilton, Regina and Toronto, and returned to Vancouver to become manager of the company's construction products division until his retirement in 1972. Survived by his wife, Betty McKenzie, BA'30; daughter Barbara Hankin, BA'60; son Christopher, BPE'72; and his sister, Letitia Hay, BA'30, MA'32.

William Thomas Irvine, BA'37, November, 1981.

J. Allan Jones, BASc'29, in December, 1980 in Ottawa. He was chief engineer for the RCAF defense and construction program during World War II. Later he became engineer for the construction of the DEW line. He was involved with numerous construction projects, retiring as project manager for construction of an addition to the Bank of Canada in Ottawa. Survived by his wife.

James Wilfred Lee, BSA'32, September, 1981, in Kelowna. He was district superintendent for the Kelowna region for Agriculture Canada. Survived by his wife, son and daughter. Predeceased by his brother Gerald, BA'28, BEd'51.

E.A. Lloyd, professor emeritus, Faculty of Agriculture, July 18, 1981, in Washington at the age of 94. He retired in 1952 after 30 years teaching in the poultry science division.

Mr. Justice Arthur E. Lord, Q.C., BA'21, LLD'58, July, 1982 in Vancouver. "UBC has lost an old friend and staunch supporter" said university Chancellor J. V. Clyne in his eulogy. Justice Lord was a

judge of the B.C. Court of Appeal before retiring in 1967. He served for 23 years as a counsel and solicitor for Vancouver, and was made a Freeman of the city in 1958. He received the first Great Trekker Award for outstanding service to UBC in 1952, and was credited with composing the UBC yell, "Kitsilano, Capilano, Siwash..."

Clifford S. Lord, BASc'29, MASc'33 (PhD MIT), October, 1981 in Ottawa. As chief geologist for the Geological Survey of Canada, he pioneered the use of helicopters for mapping and was instrumental in having Canada completely mapped in the early 70s.

John Caspar Lund, BSc'62, (PEng), October, 1981.

Martha Stirling MacLeod, BA'22, February, 1982. Survived by her husband, John, BA'22, and daughter, Shirley.

A.F. Dorothy McPhillips, BA'51 (BLS, Toronto), winter, 1981. She was the former chief librarian at North Vancouver's Centennial Library.

Leonard Charles Marsh, May, 1982 in Vancouver. He was director of research at UBC's School of Social Work from 1950-64, and professor of educational sociology from 1965-72. A UBC professor emeritus of education, he possessed numerous honorary degrees. Survived by his nephew and niece.

Cliff St. John Mathers, BASc'23, January, 1982 in Seattle. His invention of a remote control device for marine engines proved successful and in 1945 he formed his own company to manufacture and distribute it. His son Harold now heads the family firm in Seattle. Also survived by his wife Ada and daughter Madelyn.

Selwyn A. Miller, BA'23, MA'36 (PhD Toronto), January, 1982, in Quebec. A former vice principal of John Oliver high in Vancouver, he retired in 1968 after 18 years with Vancouver School Board as director of research and special services. He then served two years as director of the Educational Research Institute of B.C.

Survived by a daughter, son,

two grandchildren and a sister.

Ernest Mitchell, BASc'34, March, 1982 in Vancouver. He retired in 1975 after 41 years of service with Cominco, where he held a number of senior positions.

David Dean Mountain, BA'67, March, 1982, in Maple Ridge, B.C. A champion bridge player with a passion for farming and carpentry, he is remembered by his colleagues at Maple Ridge Secondary School as "a man with an outstanding reputation." Survived by his wife, son, daughter, mother and two brothers.

Christopher B. New, BA'59, March, 1982 in Calgary. He served with the RCAF from 1965 to 1976, and then joined Public Works Canada as a steam engineer in Calgary. Survived by his wife Gail, two daughters,

parents, and five grandchildren.

Garry Arvid Olson, BA'71, July, 1981 in Vancouver. Survived by his parents, two brothers and one sister.

George Edwards Reid, BEd'64, April, 1981.

Roderick Francis Robertson, BA'44, MA'46 (PhD McGill) February, 1982 in Montreal. Associate chairman of McGill Department of Chemistry, where he taught since 1956, he was in charge of one of the first ultracentrifuge analysis laboratories in Canada in the mid 50s. Survived by his wife, a daughter, and two sisters.

Tanya Elizabeth Bortnik

Rosen, BA'66, April, 1982. A former resident of Cranbrook, she is survived by her husband, Cal, BASc'55, MBA'63, two sons and a daughter.

Patricia Hughes Scott, BEd'72, March, 1982. Survived by her husband and two sons.

Peggy Q. Lum Steele, BSP'65, February, 1982 in Cedaredge, Colorado. Survived by her husband Dick.

George W. Brian Upson, BPE'53, April, 1981 in West Vancouver. He coached high school basketball in West Vancouver for 20 years, and captained the Thunderbirds in 1954. He was a member of Canada's national team during the 1959 world championships. Survived by his wife, three sons and one sister.

Fraser Melvin Wallace, BA'23 (MA Washington), March, 1982 in Vancouver. A former principal of John Oliver High School in Vancouver, he went on to become Inspector of High Schools for the Vancouver School Board. Survived by his wife, Dorothy, BA'26, and two grandchildren.

Edwin Joseph Webb, BA'56 (MA), August 1981 in Port Alberni. A teacher, counsellor and department head, his last position was as principal of Mt. Klitsa Secondary School. Survived by his wife, three daughters, brother Albert, BA'62, a sister and mother.

Robert W. Wellwood, BASc'35 (MSF, PhD Duke) June, 1982 near Lytton, B.C. He was professor emeritus at the UBC Faculty of Forestry, and taught for 30 years before retiring in 1976. He specialized in tropical forestry and worked as a consultant to such groups as the United Nations, World Bank, and Canadian International Development Agency. Donations in his memory can be made to the Mary Wellwood Memorial Scholarship fund which provides a grant for forestry students. Survived by his wife Barbara, BSN'58; son Robert, BSF'73, MSc'78; three daughters, one grandchild and a brother.

Esmé J. Tweedale Zachanko, BA'35, September, 1981 in North Vancouver. Predeceased by her husband Lionel Clarke, BA'35. Survived by her husband, son, daughter and sister.

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Letters

Oops...

Thank you for your letter of April 27, 1982, which arrived in my mail today (June 14). Since the increase in postal rates there sure has been a change in mail service. Your letter is post-marked by the Vancouver Post Office on April 29, 1982. Forty-seven days to get from Vancouver to Surrey isn't bad.

The fact that my picture was in the last issue of the Chronicle without a story along with it has prompted some amusing incidents. Friends who saw the picture would read all the write-up for the story. Not finding a story to go along with the picture prompted some interesting enquiries. Some concluded that since the picture was next to the 'deaths' column and there was no story that I must have died! It has given me great pleasure to inform them that I am alive and well and developing a Zoological Park in Surrey.

A most interesting time.

Best regards,
Garnet Grosjean
Director
Tynehead Zoological Park

Ed note: The Chronicle ran a photo of Mr. Grosjean in the spring issue. Lack of space prevented running the accompanying story - and an oversight left the picture in.

Our apologies.

Mr. Grosjean is responsible for co-ordinating the planning and development of the new Tynehead Zoological Park in Surrey, B.C.

Fun, games and damned hard work

God bless the physiotherapists. I loved your article by Daphne Gray-Grant on the "Fun, Games and Damned Hard Work" that these professionals perform. (Spring 1982 Chronicle) I've had open-heart surgery twice (1966 and 1977) and found the physiotherapists second only to my cardiovascular surgeon, Dr. Peter Allen.

Sincerely,
Elfrieda Goerzen, B.H.E. 1969

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**And thanks, for keeping us
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South Australia contact

I'd like to catch up with former classmates and announce I am finally finished with formal study, having completed an MSc (Flinders, South Australia) and an MBBS (Adelaide). I'm now happily looking forward to a career as a country G.P. in Australia.

I am also very happy to be listed as a South Australian contact, as a former alumnus.

Sincerely,
Judith Anne (Venning) Hamel, BSc'67
19 Kings Avenue, Blair Athol
S.A. 5084, Australia

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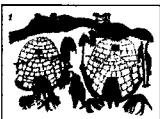
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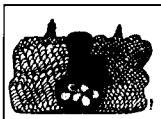
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