

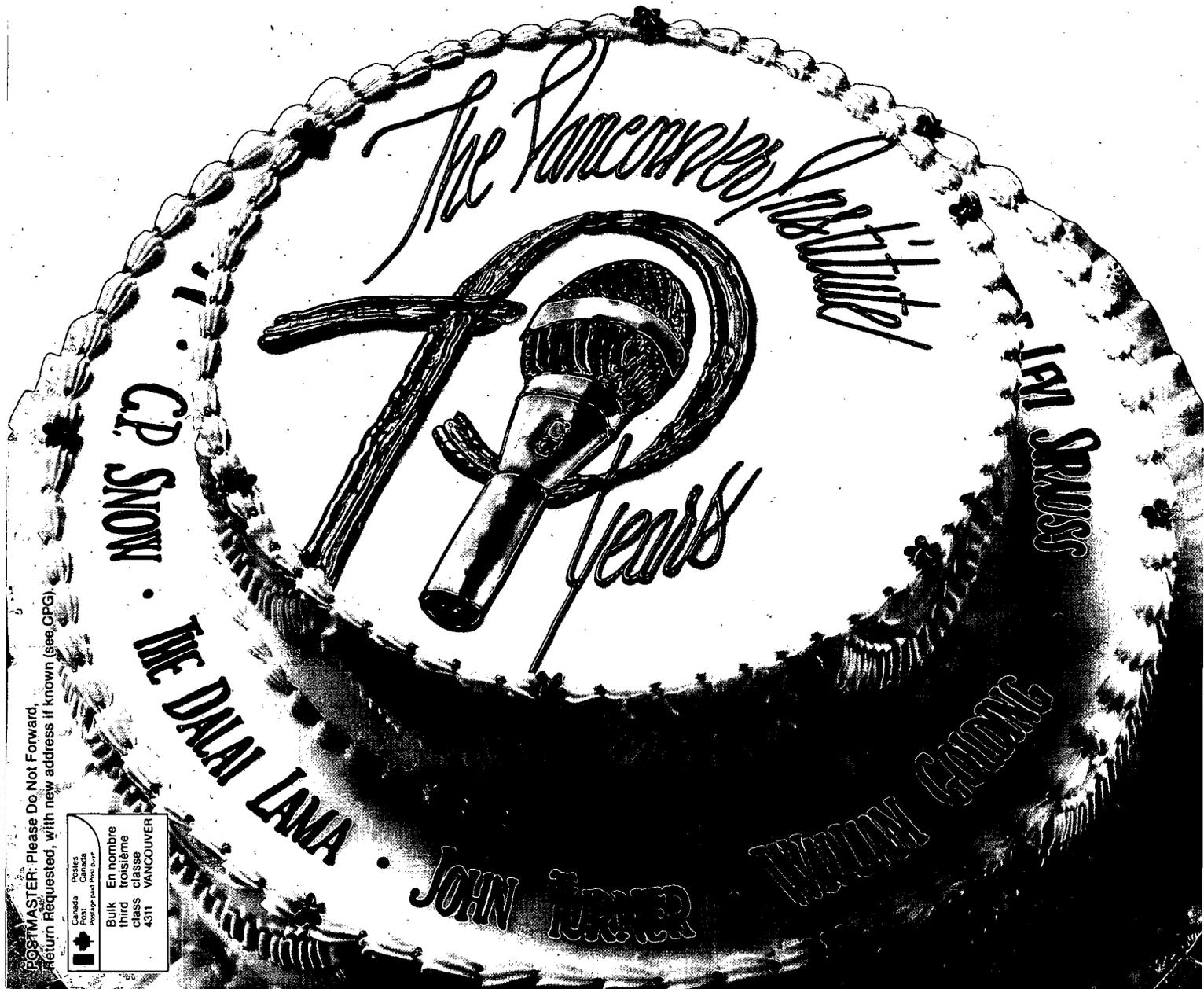
UBC Know-How Hits the Market • Open House 1987 • Alumni in the University Senate

THE ALUMNI UBC CHRONICLE

FALL 1986

GOWN TO TOWN

The Vancouver Institute Celebrates Seventy Eloquent Years



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THE ALUMNI UBC CHRONICLE

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PLANNING FOR THE FUTURE

The UBC Alumni Association holds a workshop September 6 to discuss the future of the Association, and its relation to its members and to the University.

The focus of discussion will be a draft long-range plan, called "Future Directions: UBC Alumni Association." The draft was prepared by a special planning committee, chaired by Ann McAfee, BA'62, MA'67, PhD'75. The workshop will be a follow-up to a session held February 22, 1986.

In 1979 the Association adopted a five-year plan that foresaw a more aggressive and professional organization dividing its energies between providing services to graduates and to the University. In 1984, a Mission Statement was adopted that emphasized increasing alumni involvement with the University and the Association.

The Alumni Association and the University are changing rapidly, and the Association has to adapt to these changes. For example, the Alumni file is aging because of both demographics and changing lifestyles (an increasing number of those enrolled at UBC are mature students).

Other developments will have a significant effect on the Association: as announced in the Summer 1986 *Chronicle*, the Association's Executive Director, Dan Spinner, has been appointed Chief Development Officer of the University; the Information Systems department of the Association will be transferred to the University; a joint alumni-university committee is examining the role of the *Chronicle*.

The Alumni Association wants to know what **you**, the alumni, think. Your input into the planning process is vital. If you would like a copy of the draft plan, or would like further information, please write: Alumni Planning Committee, 6251 Cecil Green Park Road, Vancouver, V6T 1W5.

ALUMNI APPOINTMENTS

Bill McNulty, President of the University of British Columbia Alumni Association, and Dan Spinner, Executive Director, are pleased to announce the appointment of two new Associate Executive Directors.

Elizabeth Owen, Programmes Director for the Association, becomes Associate Executive Director (Programmes), and Patricia Pinder, Alumni Fund Director, becomes Associate Executive Director (Alumni Fund). ■

NEWS IN BRIEF

Vancouver Institute Fall Program

The Vancouver Institute's 71st season of lectures opens September 27. As usual, the free public lectures take place Saturday nights at 8:15 p.m. in Lecture Hall 2, Woodward Building, UBC.

September 27: **Professor Eugene Kamenka**, Australian National University, **Professor Alice Erh-Soon Tay**, University of Sydney: LIFE UNDER COMMUNISM: CHINA AND RUSSIA.

October 4: **Mr. Lister Sinclair**, OC, Broadcaster, Writer and Critic: ENLIGHTENMENT IN THE MASS MEDIA AGE.

October 11 (Cecil and Ida Green Lecture): **Professor David Braybrooke**, Dalhousie University: CONCEPTS OF JUSTICE.

October 18 (Cecil and Ida Green Lecture): **Professor Alan Cottrell**, Cambridge University: ENGINEERING THE FUTURE.

October 25: **Professor Arthur Schawlow**, Stanford University: LASERS AND MAN.

November 1 (Sigma Xi Centennial Lecture): **Dr. J. Christopher Bernabo**, Science and Policy Associates, Inc.: TOXIC RAIN AND TOXIC OCEANS.

November 8: **Professor Cole Harris**, UBC: CANADA AND THE AMERICAN QUESTION.

November 15 (Cecil and Ida Green

Lecture): **Professor Keith Griffin**, Oxford University: WORLD HUNGER AND THE WORLD ECONOMY.

November 22: **Professor John H. Borden**, Simon Fraser University: WHO IS MANAGING THE FORESTS — MAN OR THE MOUNTAIN PINE BEETLE?

November 29 (Red Cross Society Lecture): **Dr. John M. Goldman**, University of London: CURES IN CANCER.

Planetarium Show

Phraters Alumnae present the Planetarium show "Alien Equation" followed by a dessert party on Monday, November 3rd at 8 p.m. at the Vancouver Planetarium, 110 Chestnut St. Admission is \$7 a person and the public are invited. Reservations recommended, call 733-8625.

Chronicle Wins CCAE Award

An article from the Spring 1985 *Chronicle*, "Alzheimer's", by Robin Laurence, won "Best Feature Article — Non Research" in the Canadian Council for the Advancement of Education's 1986 awards program.

The awards are presented for achievements in communications in the development, alumni and media and public affairs departments of Canadian universities and colleges.

The article, describing a day in the life of the UBC Alzheimer's Clinic, has

been extensively reprinted by societies engaged in the fight against this disease.

UBC's Community Relations Office won "Best Audio Video Package" for a television mini-documentary highlighting the work of UBC faculty in areas of research.

Calling Ex-Thunderbirds

The UBC Athletic Department is gathering historical information for a book to celebrate UBC's 75 years of athletics. They are asking all former athletes, coaches and administrators for assistance, either by lending scrap book mementos or photographs for photocopying, or by agreeing to a personal interview. Meeting times would be made at your earliest convenience.

Please reply to Alastair Sutherland, UBC Athletic Department, Room 208, War Memorial Gymnasium, 6081 University Blvd., Vancouver, B.C., V6T 1W5, or phone (604) 228-2531.

Thanks for the Computer

The UBC Alumni Association extends its thanks to two local businesses for their joint gift of a micro-computer to the Association.

IDM Research Industries of Vancouver donated a IDM PC/XT micro-computer, while O.J. Microcomputer Systems Inc. of Richmond supplied a 20 megabyte NEC hard disk drive and controller board.

Library School Celebrates 25 Years

UBC's library school — officially the School of Library, Archival and Information Studies — celebrates its 25th Anniversary this year. However, though the school was founded in 1961, the impetus for the school came after the B.C. Legislature passed the first Public Libraries Act in 1919, when pressures began to mount for the training of professional librarians in B.C. and Western Canada.

After years of discussions, UBC's University Librarian Neal Harlow and Associate University Librarian Samuel Rothstein began developing a graduate library school in the 1950s, with the strong support of University President Norman MacKenzie.

Rothstein was named the first Director of the School and he moved quickly to develop a library collection that would support the new program, to renovate quarters in the University Library, and to recruit a faculty. The first class in a post-graduate, one-academic-year program leading to a Bachelor of Library Science Degree started

in September 1961.

Since that time, the School has grown in stature and sophistication, and has achieved an international reputation as a leader in the field. More than 1300 graduates of the school



The library school's three directors, past and present: (left to right) Basil Stuart-Stubbs, Sam Rothstein, Roy Stokes.

work throughout Canada and other countries in the traditional institutions of public, academic, and special libraries and archives, and in information services in the private sector.

Under its three directors — Rothstein, Roy Stokes, and Basil Stuart-Stubbs — the School has seen important changes over its two and a half decades. One of the most significant was the change in 1971 to a two year program leading to a Master of Library Science degree, accommodating a broader range of study in the new technology, management, service and bibliographic aspects of library science. In 1981, a program in Archival Studies was inaugurated and is now jointly administered by the School and the Department of History.

All alumni, students and friends of the School are invited to the 25th Anniversary celebration, which will also honor retiring Professor Samuel Rothstein and Admissions Co-ordinator Margaret Burke. The event will be held on November 1, 1986, at the Ramada Renaissance Hotel in Vancouver. For more information, call the School at 228-2404.

Alumni Fund Goal Increases 19 Per Cent

On September 15, the Alumni Fund launches its annual fall mail appeal. A goal of \$1.5 million has been set for the Fund for 1986-87, of which \$350,000 is targeted for the mail campaign.

The Fall Appeal is traditionally the year's largest. Last year's campaign raised 24 per cent of the Fund's \$1.1 million total and accounted for 43 per cent of alumni donations. These gifts were largely unrestricted; almost half of the alumni donors responding to last year's mailing asked that their gifts be used where the University felt the need was greatest.

"Unrestricted gifts of this type are very important," says Alumni Association President Bill McNulty, BPE'68, MPE'70, MA'83, "and allow the funds to be directed where they will be the most beneficial."

Student aid, research equipment, library acquisitions, faculty support, athletic programs, computer software and hardware — these are but a few of the areas where discretionary funds are needed.

McNulty says other areas where donations can be directed are Scholarships and Bursaries, a particular Faculty or School, the UBC Library, or any other specific area you may wish to support.

There will be other campaigns throughout the year, including phonathons and special campaigns in the Faculties of Medicine and Commerce, but the Fall Appeal is a major one. And alumni contributions are important.

Alumni giving has increased over the last three years, and this appeal's goal is 19 per cent higher than last year's. In 1985-86, \$272,459 was raised in the fall campaign to support several projects including some designated by the University's academic community as special concerns.

UBC Car Takes First Place

The UBC Turbic, a three cylinder powered vehicle which runs on either natural gas or diesel fuel, won the Expo '86 Innovative Design Competition this summer. The contest, which took place at UBC, included entries from nine other universities from Canada, the U.S., Japan and Switzerland. The team of 20 students won \$100,000 in endowed university scholarships for UBC.

OPEN HOUSE 1987 — COME AND EXPLORE

The University of British Columbia throws open its doors next spring for Open House 1987. The weekend of March 6-8 is your chance to come and explore the "past, present and future" of UBC at the largest Open House ever held on campus.

An Alumni Celebrity Concert and Auction on Thursday March 5 signals the start of Open House. Many well known alumni will "perform" in the concert, whether by singing, dancing, reciting, standing on their heads or whatever . . . they've promised not to be boring. The program includes dinner, concert and an auction of memorabilia, UBC experiences and other surprising items donated by the alumni celebrities. Rumors are circulating that Earle Birney is going to inflict his poetic licence upon the politicians in attendance and David Suzuki will donate one of his fish prints.

You may be able to win a year's supply of famous UBC cinnamon buns or advice for your back garden from a horticultural expert. The event will be held at the War Memorial Gym and you have the choice of either sitting in the balcony and watching the fun or dining and hob-nobbing with the celebrities on the main floor. Tickets will be priced accordingly.

Along with Suzuki and Birney, Eric Nicol and John Gray have agreed to put their reputations on the line and invitations have been extended to John Turner, Allan Fotheringham, Mike Harcourt, Pat Carney, and many other notorious grads. Proceeds for the evening will go to a scholarship fund linked with Rick Hansen's Man

in Motion tour.

Open House itself will be the largest ever for UBC. Twelve faculties will be participating with tours, lectures, demonstrations and lots of hands-on displays (we're user friendly). You may have an inside look at a medical research lab, computing centre, and theatre workshop; tour the Botanical Gardens or Museum of Anthropology — free of charge. It's a great opportunity to see how UBC is changing in the 1980s.

Besides the displays, many special events will take place. Several concerts are planned; the University Singers will perform Friday night and a big-name concert is being considered for Saturday. There will be plenty of sports events as well, with inter-university competitions, hockey and soccer games, a triathlon, a celebrity water polo game, and perhaps an aquatic show.

Other attractions include a kids' play and activity area, hot air balloons, and demonstrations from Alma Mater Society clubs such as rowing, skiing, and sky diving. Art shows, theatre and musical events and other special activities are planned, all designed to help you see what's happening at UBC. Guides and colorful signs will point you in the right direction, printed programs will help you enjoy your visit, and lots of free parking will be available.

Are you interested? Any ideas? Drop us a line and let us know. We want to hear what you think. (For further information about Open House, please contact the UBC Community Relations Office at 228-3131.)

Open House 1987

Name _____

Address _____

I would like to help with:

Open House ____ Alumni Celebrity Concert & Auction ____

I can be reached at: business _____ home _____

I would like more information on:

Open House ____ Alumni Celebrity Concert & Auction ____

Any Suggestions? _____

Clip and mail to: "Open House", Alumni UBC Chronicle, 6251 Cecil Green Road, University of British Columbia, Vancouver, B.C. V6T 1W5

The 11 convocation senators on UBC's supreme academic body have a challenging role to play.

Alumni Senators: Linking UBC with the Community

BY TIM PLATTS

THERE HAVE been UBC convocation senators almost as long as there has been a University. The first grad to serve on Senate was the late Shirley P. (Clement) Murison, BA'17, elected in 1917 for a three year term. Since then many men and women have served, including such notables as Sherwood Lett, J.V. Clyne, Eric Nicol, and Blythe Eagles. Of the 87 members of the Senate, 11 are convocation senators, though the number has changed over the years, reaching a peak of 15 grads in the 1960s and a low of four in the 1970s.

As senators, these alumni are a part of the supreme academic body of the University. In addition to the convocation senators, the Senate is comprised of the 12 faculty deans, the academic vice president, 34 elected faculty, 17 elected students, four members appointed by the provincial government, a member elected by each of the three colleges and others such as the Director for Continuing Education and the Chief Librarian.

Working through the committee system, the Senate sets and administers policies on courses and program content, admission standards, faculty appointments and promotions, and awards and appeals. There are committees for each of these areas, all dealing with strictly academic issues. Various faculties and departments make recommendations to the appropriate Senate committee which meets on the matter and then passes recommendations on to the Senate. Senate then makes a proposal to another governing body, the Board of Governors, for final approval and funding.

Elections for convocation senators and Chancellor take place early in 1987, with nominations closing November 2, 1986.

As to who is eligible to run, the official election notice states that candidates must be members of convocation (alumni) who are not also members of the faculties of the University. The convocation senators for the 84-87 term were Helen Belkin, BA'40, Grant Burnyeat, LLB'73, Pat Fulton, BA'39, Gil Gray, BA'50, Helen Matheson, MA'73, EdD'79, Anne MacDonald, BA'52, John McConville, LLB'55, Murray McMillan, LLB'81, Mary Plant, BA'52, Min Suguimoto, BA'52, MEd'66, and Nancy Woo, BA'69.

Over the past 20 years there has been much discussion on the value of alumni in the Senate. Supporters say the alumni provide the informed voice of the graduate and practising professional and so are an important link with the general community. Detractors claim the convocation senators are out of touch with the University and academic life and ignored by the other senators.

The present convocation senators feel they have a lot to offer. Convocation senator and housewife, Mary Plant, says alumni input is necessary: "We represent the grads and the community at large . . . We bring a non-academic perspective to the Senate." She says the University needs the fresh point of view: "Senate is a very unwieldy body — mostly academic . . . it's very important that the community input be there."

Lawyer Grant Burnyeat, former president of the Alumni Association and a convocation senator for more than five years, says their role is important because: "We are the only ones not on campus". However, "convocation senators are not wanted or listened to. I have serious doubts on the value of convocation senators . . . unless Senate is overhauled and there are written rules stating that there be full and proper debate on matters."

Murray McMillan, Vancouver Sun columnist, likens his role as a convocation senator to that of a backbencher in Parliament. He says they don't have much say in the general Senate meetings: "The deans and academic vice president have the key positions in the university structure and have a lot of say in the Senate". But he believes that "a lot of really substantial work happens at the committee level . . . and convocation senators make a strong contribution. And that contribution is respected."

Ron Yaworsky, a student senator for the past several years, also feels the graduate input is important: "Some alumni are fairly high profile. I'm always concerned with Grant Burnyeat's point of view. The alumni form a powerful voice with the students. When you think about it, eleven alumni plus seventeen student senators is a pretty sizeable chunk."

He says the convocation senators are aware of the ripple effect of the University on the community: "Especially now when the University has to interface with the community more — the alumni are an important way to do this".

Although money management of the University lies with the Board of Governors, recommendations for faculty and program changes come from the Senate. Government cutbacks over the last few years have led the University to rethink its priorities, and dealing with these changes is a big part of the Senate's business, according to Murray McMillan.

"Finances is a perennial issue . . . and will go on until the provincial government stabilises funding," he says. "I have strong doubts it will happen in the foreseeable future. Changes are going on constantly, there are always adjustments being made. But Senate has a pretty good direction on the whole." ■

OFFICIAL ELECTION NOTICE

Notice is hereby given that the election of the *Chancellor* and of ELEVEN members of the Senate to be elected by the members of Convocation of the University of British Columbia will be held on Thursday, March 5, 1987.

Candidates eligible to stand for election to the Senate are members of Convocation who are not members of the Faculties of the University.

The term of office is three years. The Convocation Senators will take office on September 1, 1987. The Chancellor will take office on June 25, 1987.

Nomination Procedures:

1. All Nominations of candidates for the office of Chancellor must be supported by the identifiable signatures of SEVEN persons entitled to vote in the election of Chancellor and carry the signature of the nominee indicating willingness to run for election.
2. All nominations of candidates for membership in the Senate must be supported by the identifiable signatures of THREE persons entitled to vote in the election of the Senate.

Nominations for these offices must be in the hands of the Registrar no later than 4:00 p.m. on Monday, November 3, 1986.

Nomination forms are available from the office of the Registrar, tel. 228-6860 or 228-6338.

In accordance with the *University Act*, an election register has been prepared showing the names and known addresses of all members of Convocation who are entitled to vote at an election and the register is open for inspection at all reasonable hours by all members entitled to vote.

K.G. Young,
Registrar,
The University of British Columbia,
204 - 2075 Wesbrook Mall,
Vancouver, B.C., Canada,
V6T 1Z2.

List of those currently holding office in the 1985-87 three-year term:

Chancellor

W. Robert Wyman B.Com.

Senate (Listed in alphabetical order)

H.M.E. BELKIN, B.A.
G.D. BURNYEAT, LL.B.
P.M. FULTON, B.A., Dipl.Soc.Work.
G.C.P. GRAY, B.A.
A.E. MACDONALD, B.A.
H.J. MATHESON, B.A., M.A., Ed.D.
J.M. McCONVILLE, LL.B.
M.G. McMILLAN, LL.B.
M.L. PLANT, B.A. B.S.W.
M. SUGIMOTO, B.A., M.Ed.
N.E. WOO, B.A., M.Sc.

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Saturday Night at the Lectures



COLE HARRIS: "THE Institute is a movable feast of different people talking about the latest developments in every field."

BY ANDREW PURVIS

IN 1918, when Vancouver was still a rugged, outdoorsman's town, the head of the Alpine Club of Canada gave a Vancouver Institute lecture on the "Peaks and Passes of the Canadian Rockies". A record 330 Vancouverites pulled on their hobnail boots that evening and trudged over to the old UBC Assembly Hall on 10th and Willow for the latest tips on the mountains to the east.

Seven decades later, Margaret Atwood was slated to speak, her topic an esoteric "Blood and Thunder", and another attendance mark was set when 2,000 lovers of literature packed into the Point Grey lecture halls for the Saturday night address.

If there is one constant in the rambling, intellectually intrepid history of the Vancouver Institute, which this fall celebrates its 70th year of free public lectures for the Vancouver community, it is an ear for the interests of the times.

"I thought it was too scattered when I took it on," says last year's Institute president Professor Cole Harris, of a forum which in 1985 topped its all time membership high at 1,950. "But I was dead wrong. It is a movable feast of different people talking about the latest developments in every field."

From the beginning, this wide-ranging topicality has been an Institute trademark. In 1919, former B.C. provincial forester and future logging magnate H.R. MacMillan spoke of the fortunes to be made in "The Forest Regions of British Columbia." In the early days of World War II, UBC history professor Henry Angus warned his Institute audience that "Japan, when faced with a crisis, has never shrunk from a drastic solution," predicting war with the Japanese 12 months before their bombers banked over Pearl Harbor.

And 15 years ago, then Justice Minister John Turner, BA'49, after imposing the hotly debated War Measures Act during Quebec's October Crisis, attacked the critics in his Institute address, "Law and Order: What Does It Mean?"

For 70 years, the Vancouver Institute has consistently provided this city with timely topics and celebrated speakers. But behind the scenes, what may be North America's most venerated lecture forum has had to cope with its share of hard times. In fact the Institute would probably not be here today if it were not for a few, key individuals.

Frank Wesbrook, UBC's founding president, and S.D. Scott, editor of the now defunct Vancouver *News-Advertiser*, were the first.

One February afternoon in 1916, the two friends sat down to hammer out the details of a membership-supported weekly lecture forum which, they hoped, would combine the strengths of the young city and the younger university.

In the beginning, it was a two man operation. With an annual budget of less than \$60 a year, Scott and Wesbrook had to ferret out Vancouver's top minds themselves, and personally cart them over to the UBC Assembly Hall at 10th and Willow every Thursday night.

But not even the Assembly Hall could be depended on. In 1925, UBC abandoned the old Fairview shacks and moved to distant Point Grey, then separated from the city by several miles of rotten wooden planks and muddy track.

Institute organizers tried for a time to stay close to downtown audiences by scrounging around for free lecture space in church basements, old bingo halls, and vacant gymnasiums. Finally, in 1929, they followed the University out to Point Grey.

But the combination of no fixed location and, after 1929, distance from the downtown, took its toll on membership and attendance.

One September evening the executive called an urgent meeting. They had to chip in a dollar each to keep the lectures alive.

In 1933, Gordon Shrum, then a 37 year old professor of physics, took over as Institute president, beginning 50 years as champion of the weekly series.

"Several times Shrum saved the Institute from disappearing altogether," says current program chairman Bel Nemetz.

SHRUM'S FIRST scheme was to print notices each week, inviting potential lecture-goers to a reception that Saturday night, immediately after the address.

"If he could get, say, 40 guests," explains Nemetz, "that meant at least 40 would have to show up for the talk." Post-lecture parties are now an Institute tradition.

To further boost attendance Shrum staged an extremely popular and heated debate over the future of UBC. Businessman George Kidd, author of the "Kidd Report" recommending closure of UBC, would argue that the University should be shut down, while professor of history Henry Angus was to argue that the gates remain open.

More than 1,000 people came for the widely advertised event. Nemetz, praising Professor Angus's "brilliant mind", recalls the outcome: "It was a complete rout. Kidd fled in moral and intellectual defeat."

But enthusiasm for the talks at UBC was still only flickering.

What the lectures needed most was an overall warming of town-gown relations. And Eric Hamber, who took over as UBC Chancellor in 1944, was just the man for the job.

"Hamber really brought town and gown together," says a long time patron of the Institute and close friend of Hamber, Evelyn Lett, BA'17. "He was a fine young man, with a very bright wife," she recalls.

The Hambers put their charm to good use. They began throwing parties at their Point Grey home, inviting both university and city dignitaries. Lett herself, as wife of Sherwood Lett, a member of the UBC Board of Governors, sipped cocktails at many of these affairs.

"Pretty soon," she says, "university women all of a sudden began being invited to city social functions."

It was not until several decades later that the Institute began to acquire its current reputation. In 1960 Bel Nemetz, BA'55, became involved. As wife of that year's president, Nathan Nemetz, BA'34, she helped bring to Vancouver, among others, British author and physicist C.P. Snow, Minister for External Affairs Howard Green, author and CBC correspondent Don Minifie, and Justice Minister E. Davie Fulton, BA'36, plus three university presidents, one principal and three deans. Saturday night lectures that year were the best yet attended in Institute history.

Since formally taking over as program chairman in 1972, Bel Nemetz has personally comandered, from her home telephone, most of the forum's most eminent speakers.

"Basically the quality of recent programming has been thanks to the devotion of (Nemetz)," says former Institute president Cole Harris. "She is so charming, and so

bright on the phone that (prospective speakers) find it very difficult to say no."

The Dalai Lama of Tibet, anthropologist Claude Levi-Strauss, and Nobel Laureate William Golding are among the victims of Nemetz's entreaties. Margaret Atwood, after waiting patiently for the applause to die down before her "Blood and Thunder" speech last November, claimed "I am here only because of Bel Nemetz."

THE PROGRAM chairman has several rooms in the back of her Point Grey home filled with boxes of correspondence to and from prospective lecturers. Most chart the successful wooing of prominent intellectuals. But even those that do not, such as one series with novelist Saul Bellow, seem to suggest a comfortable rapport and future possibilities.

"You make me feel like a brute. But I must tell you I am not a very vigorous brute," wrote Bellow in a 1981 letter, excusing himself from a lecture engagement because of ill health and over-work. "You have had the Dalai Lama. I wish I were the Dalai Lama. His life makes sense, mine is chaotic . . ."

Nemetz and the novelist still exchange letters; if the program chairman has her way, he will follow in the Dalai Lama's footsteps yet.

Nemetz's uncompromising pursuit of timely speakers has more than once led to raised voices and trampled toes in the lecture hall itself.

Following the October Crisis of 1970, as John Turner was defending the War Measures Act in his Saturday night speech, angry student demonstrators surged to the front to cut him off. In the ensuing fray, Gordon Shrum, then 77 years old, was struck on the head with an umbrella. But the retired professor of physics got his revenge. He sued his broolly-wielding attacker and won.

Bel Nemetz has had help in raising the Institute to its present prestige and popularity. Well-connected UBC faculty tap their acquaintance with high profile speakers; and the financial resources of five Vancouver lecture trusts help to bring in lecturers the Institute could not otherwise afford.

The faculty members and lecture trusts, for their part, are happy to schedule with the Institute. They are then assured of the largest, most varied, and most sophisticated audience in town. "High quality," sums up one Institute patron, "begets high quality".

The Vancouver Institute's success has been met by extraordinary praise. Director of the Royal Institution of Great Britain, Sir George Porter, ranks the forum second in the world only to his own venerable Institution, a weekly series founded in the 1800s. Porter, a Nobel Laureate in Chemistry, is particularly impressed by the Institute's programming over the last 20 years.

But Saturday night regulars like 89-year-old Evelyn Lett have no patience with the suggestion that their septuagenarian Institute has ever been anything less than first rate.

"Don't tell me the lectures have improved," she recently demanded, indignant. "They've always been superb." As one of the few lecture goers who predates the Institute itself, she is, perhaps, best qualified to judge. ■



FORMER UBC Chancellor Eric Hamber "put his charm to good use" on behalf of the Institute.



INSTITUTE PROGRAM Chairman Bel Nemetz "is so charming, and so bright on the phone that prospective speakers find it difficult to say no."

TRIPPLE-LITE, a non-dairy, ice-cream substitute made from soya protein, is the first product developed by the **Nu Food Research Corporation**, a company founded in 1984 to explore new areas of food development.

Bill Powrie, head of UBC's Food Science department, and Paul Molund, PhD'85, wanted to produce a nutritious, tasty product which would have the same texture as ice cream. The major challenge was to mask the soybean taste. They succeeded and Powrie is pleased with the result.

"This is an exciting area. It started from a concept, and then by using scientific principles, we were able to develop a formula which came out as a desirable product," he says.

The first flavors are Vanilla, Strawberry Ripple and Chocolate Ripple, made as hard ice cream and first marketed at Safeway stores. Companion products are planned for the future, including an expanded line of flavors, a soft ice cream version, and a fudgsicle-like product.

Molund, who is no longer with Nu Food, provides the descriptive product data: "Triple-Lite has only 58 calories per 100 ml serving (in Vanilla), which is about half that of regular ice cream — and only a third of the cholesterol." He expects the product will be marketed internationally in the United States, Japan, Korea and England.

For people with milk allergies or lactose intolerance, this product is a highly acceptable alternative — particularly for children or anyone who craves treats!

INTERPRETING THE ARCTIC

From its beginnings in 1977, **Arctic Sciences Ltd.** has grown into a company with a staff of 20 oceanographic professionals, and is known as an authority on the marine environments of Canada's three oceans.

The company came into being through the collaborative efforts of two UBC students, Dave Fissel, BSc'71, MSc'75, and Dave Lemon,

BSc'72, MSc'75, with an associate John Marko.

Operating as a technical consulting service, the company provides expertise in physical oceanography and remote sensing, with emphasis on the Arctic region.

Arctic Sciences Ltd. uses data collected from ships, satellites and subsurface instruments to analyze the movements and physical properties of the ocean. The company is actively involved in the use of underwater acoustics as a means for remotely sensing ocean waves and currents.

Satellites orbiting over the ocean provide information needed to map water temperatures and display movements of ice on the ocean surface. The company has also developed a model for analyzing oil spills. Data can be generated and interpreted to represent locations, directions of movement, volume and age of the spill.

Indicators of the company's success include revenues of \$1.1 million, the creation of a spin-off company of their own, and the opening of a second office in Dartmouth, Nova Scotia.

This second generation spin-off company, **Oceanprobe Systems Inc.**, specializes in the manufacture of acoustic remote sensing oceanographic instruments.

HI-TECH IN THE GREENHOUSE

Gordon Monk, BAsC'80, wanted a non-traditional job doing something he knew he could do well. He found it through consulting work on solar greenhouse research for Agriculture Canada with Professor Len Staley, then head of Bio-Resource Engineering at UBC.

Monk formed his consulting company in 1983 and has since attracted attention from foreign agriculturalists. **Western Bio-Tech Engineering Ltd.** designs computer operated environmental control systems for greenhouses including earth thermal storage heating systems.

The company uses a solar system greenhouse control/data acquisition computer manufactured by another B.C.-based company, Argus Control Systems Ltd. The Argus computer stores its control software on floppy disks which can be modified to allow total flexibility. This makes the system unique to

AN EXPERIMENTAL greenhouse at Saanichton uses UBC spin-off technology: a computer-operated environmental control system.



TASTING SUCCESS: Bill Powrie (right) samples Triple-Lite, one of the many products developed with UBC expertise.

Leading Edge Meets Bottom Line

North America and essential to researchers. In Europe, computers are commonly used to control greenhouse environments, but their systems run on fixed programs which can't be adjusted.

About 150 temperature points can be read every seven seconds on the Argus system. These are then integrated to display average values every 15 minutes. The system also monitors humidity sensors and gives readings on light coming through all surfaces. The system was tested at three installations over this past year; at the Butchart Gardens near Victoria, and at sites in Ontario and Illinois.

"Based on the work at Agriculture Canada's Saanichton Research and Plant Quarantine Station, the earth thermal storage solar heating technology would be feasible for most greenhouse operations in southwestern B.C.," says Monk. "The technology provides fossil fuel savings of at least 20 per cent annually, which translates into a \$1.5 million savings to growers in the region."

Work at Saanichton involved modifying the

*UBC know-how
has helped start
up many
companies
employing
thousands of
people. The
Chronicle
examines a few
of these
innovative
enterprises.*

design to make it practical for B.C. conditions. For example, it was important to study the effect of reversing the air flow between night and day to increase the temperature of the recovered heat.

Monk says there is good reason to be optimistic about the future. "The potential for Canadian companies to provide computerized greenhouse technology worldwide is enormous. Several provinces in China are interested in improving intensive crop production in greenhouses. B.C. can act as a focal point to Pacific Rim countries on greenhouse technology."

China will likely be the first of his Asian clients. Their national goal is to be self-sufficient in food production by the year 2000. This fall will see Gordon Monk in China to examine agricultural practices and advise on installations.

"We have to start having a global point of view. We need to take our prototypes and adapt them to foreign needs."

continued on page 15



Photo: Bob Karpis

CANADIAN LANDSCAPES

Images of Canada by Peter and Traudl Markgraf

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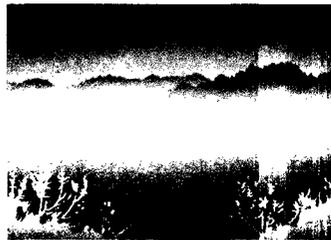
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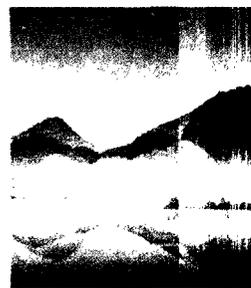
E Summer Rain



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A Souvenir

Dear Alumnus,

When was the last time you visited the UBC campus or stopped to recall your years as a student? This beautiful new Oxford University Press production "The University of British Columbia: A Souvenir" will jog your memory and much much more. The collection of photographs, both new and old, are integrated with an entertaining commentary by George Woodcock who traces the development of UBC into 'one of the country's most important teaching and research institutions'. Life on campus is addressed from the perspective of both the student and the larger community. Through its faculty and students, and its research, UBC is a major contributor to the province, the country and the world at large.

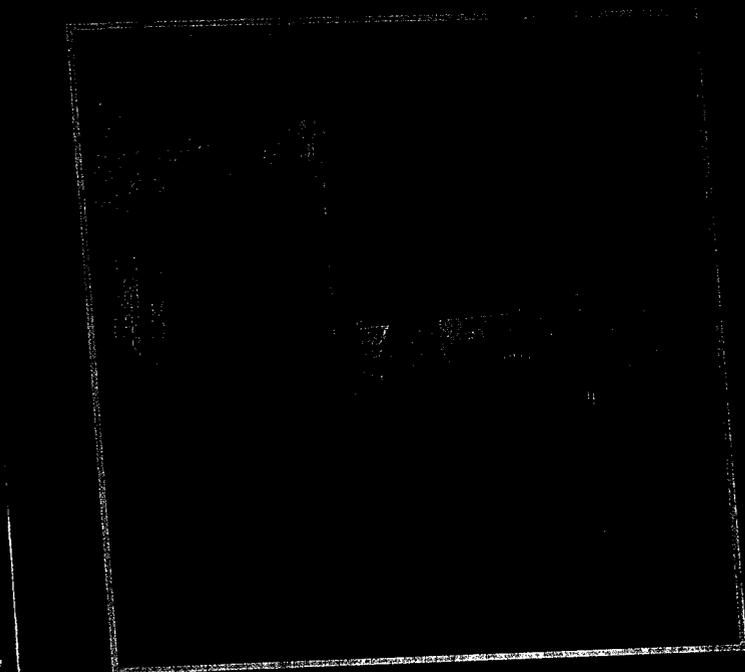
The Association believes that "The University of British Columbia: A Souvenir" does justice to this reputation, and is an item you would be proud to own and display for its meaning and its memories. To obtain your copy, simply complete the order form below and forward to The University of British Columbia Alumni Association.

Yours sincerely,

Bill McNulty

Mr. William McNulty
President,
The University of British Columbia
Alumni Association

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George Woodcock & Tim Fitzharris

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Technology transfer from UBC to industry has led to the creation of 2500 jobs and \$87.7 million worth of business in 1985 alone.

HEATING UP THE MARKETPLACE

R.S.F. Energy Ltd. (Renewable Solid Fuel) represents the only secondary industry in the Smithers area. Founded by Hans Duerichen, BSc'71, the company manufactures and markets products of its own design: wood or coal fired heaters and furnaces with a difference!

The special feature is a secondary combustion chamber which accomplishes a more efficient burning. These stoves produce even heating for as much as 36 hours on one load of fuel. They can be used as the sole heat source or in conjunction with conventional heating systems.

Up to 45 people are employed at peak periods to accomplish the required production. Duerichen reports that business is good. His total sales exceeded \$2.2 million in 1985. During the early months of 1986, an order for 50 units was sold to Switzerland.

The founder is a graduate of UBC's Mechanical Engineering department where he majored in thermodynamics. By applying this knowledge along with related industrial experience, Duerichen has been able to design the company's products.

SEARCHING FOR GOLD

Before establishing **C.F. Mineral Research Limited** in Kelowna, Chuck Fipke lived in New Guinea, Australia, Africa and Brazil. "I met many geologists from other countries and discovered what a comparatively excellent training I had the good fortune to obtain at UBC."

He carries fond memories of his student years. "Many of the professors at UBC are not only inspiring by virtue of their expertise; they are also outstanding models as human beings. For instance, the late Dr. Walter Gage wrote me a personal cheque to help finance my studies. The late Dr. Jack Gower greatly influenced my attitude to work."

His company specializes in mineral and petroleum exploration and scanning electron microscopy. A patent has been obtained for the methodology used in heavy mineral concentrate geochemistry.

Theirs is a unique approach which has led to the discovery of mineral deposits which were undetected by conventional exploration methods. Mining companies have been assisted in locating deposits of gold, base metals and even diamonds in British Columbia.

The company built a considerable reputation for its ability to extract microfossils from the rock. These are analyzed to evaluate oil potential. Much of the firm's equipment was designed and built in Kelowna.

Fipke credits his university for his success.

"My UBC training inspired creative thinking that, together with hard work, adequate funding and a team effort are the most powerful tools needed to achieve business success." ■

CHILDREN OF INVENTION

UBC's University-Industry Liaison Program has identified many companies that have directly benefitted from University-inspired research or training. These companies are responsible for the creation of 2500 direct and indirect jobs and an estimated \$87.7 million worth of business in 1985 alone:

A.C. Statpower Inc.

Conducts R&D in power electronics. Produces power supplies and converters.

Applied Microsystems Ltd.

Manufactures specialized oceanographic equipment.

Arctic Sciences Ltd.

Physical oceanography and remote sensing activities.

Atmospheric Research Inc.

Provides meteorology and air quality consulting.

Belmont Consulting & Associates

Mining consulting.

Cetec Engineering

Equipment developer for sawmills and mines.

C.F. Minerals Research Ltd.

Heavy mineral and conodont (microfossil) research.

Charity Wolfe Research Corp.

Supercritical fluid R&D.

C.O. Brawner Engineering Ltd.

Geotechnical engineering.

Columbia Computing Services Ltd.

Developer of high school timetabling systems.

Corona Vacuum Coaters Inc.

Produces thin film coatings for electronics and wear and corrosion resistance.

Creo Electronics Corp.

Optical data storage.

Crowder Communications Ltd.

Satellite telecommunications and local area networks.

Cyber Quest Ltd.

Computer software applications to exploration geochemistry.

Epytech Prototypes, Inc.

Assists start-up ventures with technology transfer.

ESSA (Environmental and Social Systems Analysts Ltd.)

Environmental management.

E.V. Hird & Associates Ltd.

Telecommunications and electronics.

Gage, Babcock Associates Ltd.

Designs sprinkler systems for buildings.

Harford Kennedy Lyzun Acoustical Consultants

Acoustical engineering.

I.T.A. (Inverse Theory and Applications)

Geophysical data processing.

Kadak Products Ltd.

Real-time software developers.

Lipex Biomembranes, Inc.

Manufacturer of devices for the preparation of lipid vesicle systems.

MDA (Macdonald, Dettwiler & Associates)

Digital data processing and satellite ground systems.

MDI (Mobile Data International) Inc.

Mobile data communications systems.

Mechtronics

Electro-mechanical controls.

Micromet Systems Inc.

Instruments to determine health of seedlings in reforestation.

Moli Energy Ltd.

Manufacturer of molybdenum lithium disulphide rechargeable batteries.

Municipal Hydraulics

Software for water distribution systems.

Narod Geophysics Ltd.

Precision magnetometer manufacturer.

Neptune Dynamics Ltd.

Industrial energy conservation.

Nexus Engineering Ltd.

Manufacturer of high frequency electronic equipment for cable and satellite television.

Nu Food Research Corp.

Non-dairy frozen desserts.

Pacific Ocean Sciences Ltd.

Numerical modeling of oceanographic and atmospheric data.

Pakalnis & Associates

Mining consulting.

Quadra Logic Laboratories Ltd.

Diagnostic tests for human and animal diseases.

R.S.F. Energy Ltd.

Wood and coal fired home heating products.

Seaconsult Marine Research Ltd.

Off-shore engineering.

Seakem Oceanography Ltd.

Applied chemical, physical and biological oceanography.

Seastar Instruments Ltd.

Manufacturer of hydrographic water sampling bottles.

Shaughnessy Computer Systems

R&D on custom development of hardware.

Spincraft Manufacturing Corp.

Manufacturer of sauna heaters, fireplace and metal products.

Stasuk Testing & Inspection Ltd.

Non-destructive X-ray, ultrasonic, magnetic particle, and liquid penetrant testing.

Techtrade Equipment & Services

Services high-tech electronic gear.

Techware Systems Corp.

Developer and manufacturer of super micro-computer based real-time laboratory.

TIR Systems Corp.

Manufacturer of "The Light Pipe" which transmits light using total internal reflection.

Vortek Industries Ltd.

Specializes in design and manufacture of ultra-powerful lamps.

Western Bio-Tech Engineering Ltd.

Agricultural consulting in greenhouse energy conservation.

Western Meter

Manufacturer and supplier of industrial process controls.



ALUMNI ACTIVITIES

Homecoming 1986

UBC Homecoming '86 takes place this fall from October 20 to 25, 1986. A wide variety of events have been planned involving both Alumni and students and everyone is encouraged to come out and share in the activities.

The week gets off to a good start on Monday, October 20, with an award luncheon at the Meridien Hotel in downtown Vancouver. The Alumni Award of Distinction will be presented to mezzo-soprano Judith Forst, BMus'66, and an Honorary Alumni Association Life Membership will be granted to non-alumnus Norman Hildes-Heim. (Profiles on the award winners will appear in the Winter issue of the *Chronicle*.)

That evening everyone will get an opportunity to "Meet the Brass" at the Pit Pub in the Student Union Building. Members of the University administration and the Board of Governors will be in attendance from 7 to 10 p.m.

On Tuesday, October 21, there will be the Cairn Rededication Ceremony at the UBC Cairn followed by a tea at Cecil Green Park. Later that evening, from 6:30 to 9:30, students from each faculty will pass on "Just Desserts" to people who have given distinguished service to the University. The event, at Cecil Green Park, will feature desserts provided by the Women's Faculty Club and Chancellor Robert Wyman will be Master of Ceremonies.

The "Great Trekker" Dinner will be held on Wednesday evening in the SUB Ballroom when the Great Trekker Award will be presented by the Alma Mater Society to an individual who has provided outstanding service to the University community. Guests at the dinner will range from the class of 1920 to the class of 1986.

Intramurals will sponsor the Arts 20 Relay Race on Thursday, October 23. The race is reminiscent of the Great Trek and is run along the same route, from the original Fairview shacks site at Vancouver General Hospital to the present day Point Grey campus. Peter Disney, BA'36, of England, in an effort to raise scholarship funds, hopes to run the full course.



Rededicating the Cairn during Homecoming '85.

Another sporting event, the Blue and Gold Football game, will be played at the Thunderbird stadium on Friday, and the Homecoming Parade takes place on Saturday, the 25th.

There will be many other events, including get-togethers for Social Work, Nursing, '56 Commerce, '46 and '61 Engineering, Pharmacy, and '71 Law. A special dinner will be held at the UBC Faculty Club for the Class of '36 on Friday, October 24, followed the next day by a campus tour and lunch at Cecil Green Park.

A Gala Theatre Event takes place Saturday, October 18 and every night from October 20th to 25th. Eric Nicol's play, "Making the Point", written for the event, takes a humorous look at UBC's history and will feature cameos by famous grads. Prices will be \$20 a night for the regular performances and \$100 for the two Gala Saturday events which include a reception on stage. Proceeds for the show will go to support scholarships. For more information or tickets, call the Frederick Wood Theatre at 228-2678.

For more information see below or phone the Alumni Programmes office at 228-3313.

All **Commerce Grads** are invited to a 'Welcome to Downtown' gathering on Thursday, October 2, 1986, from 5:30 to 7:30 at the University Club, 1021 W. Hastings St. in Vancouver. A special welcome is extended to all new '86 graduates.

The 34th annual **Medical Ball** will take place January 31, 1987, at the Pan Pacific Hotel in downtown Vancouver. The UBC Medical Alumni Division and Medical Undergrad Society will be honoring the classes of '57, '67, '77, and '87.

For information on any of the events listed below, please call the Alumni Programmes Department at (604) 228-3313.

Reunions:

'51 Home Ec.: Sept. 27-28, UBC Faculty Club and Sprinklers, Van Duesen Gardens

'51 Pharmacy: Sept. 26, Cecil Green Park

'66 Forestry: Sept. 26-28, Harrison Hotel

'76 Commerce: October 17, Cecil Green Park

Dates to be announced for the following reunions: '52 Forestry, '67 Home Economics (1987), and '76 Forestry.

Other Events

Medical Division Golf Tournament: September 4, University Golf Course

Engineering Annual General Meeting and Dinner: October 17, UBC Faculty Club, Engineering Alumni Award of Distinction to be presented to Russ Fraser, BASc'58

Library and Archival Studies 25th Anniversary and AGM: November 1, downtown Vancouver

Health Care and Epidemiology AGM: November 6, Cecil Green Park

Health Care and Epidemiology AGM: November 6, Cecil Green Park

Homecoming Events — October 20-25, 1986

Alumni Awards Luncheon: October 20, Hotel Meridien, Vancouver

Social Work Division AGM: October 20, Cecil Green Park

Cairn Rededication Ceremony and Tea: October 21, UBC Cairn and Cecil Green Park

Just Desserts: October 21, Cecil Green Park

Great Trekker Award Dinner: October 22, Student Union Building Ballroom

Arts '20 Relay Race: October 23, Fairview to Point Grey

Nursing Potluck Dinner: October 23, Cecil Green Park

Branch Representatives Visit: October 23-25

Blue and Gold Football Game: October 24

Class of '56 Commerce: October 24, UBC Faculty Club

Pharmacy Division: October 24, Cecil Green Park

Class of '36: October 24, dinner at UBC Faculty Club, October 25, campus tour and lunch at Cecil Green Park

Homecoming Parade: October 25

Class of '46 Engineering: October 25, UBC Faculty Club

Class of '61 Engineering: October 25, Cecil Green Park

Class of '71 Law: October 25, Hotel Meridien, Vancouver



CLASS ACTS

20s

Teacher **Anne (Mackenzie) Stevenson**, BA'27, keeps active with the BC Historical Society, the Williams Lake Museum Committee, and her work with Cariboo College, UBC and Simon Fraser University.

30s

Retired vicar Rev. **Peter Disney**, BA'36, is still active in the church in England, jogs every morning and travels extensively. He and his wife Doreen will attend the '36 reunion at Homecoming this fall on their way home from Australia **G.P.V. Akrigg**, BA'37, MA'40, and his wife **Helen B. (Manning) Akrigg**, BA'43, MA'64, have published a revised *British Columbia Place Names*

40s

In Los Angeles, **Helen C. Piper**, BA'44, received the School Volunteer Distinguished Service Award Chancellor Emeritus and Past President of the UBC Alumni Association, **Donovan Miller**, BCom'47, LLD'79, is among 54 honored by the Japanese government with the Third Class Order of the Rising Sun for his role in promoting relations in fishing between Canada and Japan **David Idler**, BA'48, MA'50, is Director of the Marine Sciences Research Laboratory at Memorial University Retired from St. James United Church and living in Victoria, **H. Irvine Hare**, BA'49, was granted a Doctorate in Ministry from San Francisco Theological Seminary in May **John A. Melville**, BCom'49, BSW'60, of Courtenay, retired after 35 years with Ministry of Human Resources **Len Pearson**, BASc'49, MA'51, has received the Excellence in Teaching Award from the Illinois Institute of Technology for the second time.

50s

B.C. Pork has appointed media and freelance food consultant **Phyllis Dennett**, BHE'50, to manage a new promotion in B.C. . . . **Sally Woods**, BA'51, MSc'53, has her own company in business and technical written communications **Jim Forrester**, BASc'52, retired in 1984 and lives in Bellevue, Washington **R.P. "Ray" Godber**, BCom'51, has retired after 33 years with Air Canada, Administrative head of the Greater Vancouver Regional District, **Douglas L. Mackay**, BASc'52, won the American Water Works Association Award for distinguished service in the water supply

field working for ICRISAT in India, **Donald G. Faris**, BSA'54, MSA'55, is Coordinator of the Asian Legume Program. His wife, **M. Dawn Faris**, BScN'55, MSN'79, is a freelance consultant in nursing research Recently retired UBC Women's Athletic Director **Marilyn Pomfret**, BPE'54, was honored for her contribution to athletics at the Canadian Inter-university Athletic Union Annual Meeting **Jacques Quistwater**, BSc'54, MSc'58, PhD (London), is Dean of Management Information Systems, Sheridan College, Oakville In Arcadia, California, **Boris Auksmann**, BASc'55, PhD (CalTech), is a consulting engineer in private practice, while his wife, **Asta Kamar-Auksmann**, BA'55, MSW (UCLA), works as a family therapist **Ettigi Jayadevappa**, MSc'55, PhD (Kansas), is Senior Professor of Physical Chemistry at Karnatak University A Spring Sing was performed at Cloverdale United Church to honor **Beth Leullier**, BA'55, BEd'65, MEd'77, retiring Supervisor of Instruction, Surrey School District Recipient of the R.J.W. Douglas Medal of the Canadian Society of Petroleum Geologists, **Eric Mountjoy**, BASc'55, will be spending part of a year's sabbatical in Japan and China **James H. Tsai**, BA'55, PhD'65, is Commercial Director of Specialty Chemicals for Dow East Asia Division **Henry Ewert**, BA'56, has published *The BC Electric Railway*, commissioned by Expo '86 **Michael Peers**, BA'56, MA (Theol) (Toronto), is Chief Executive Officer and Spiritual Leader of the Anglican Church of Canada **Brian Smith**, BA'56, LLB'60, was a candidate in the Sacred leadership race UBC Chancellor **W. Robert Wyman**, BCom'56, was elected to the Board of Directors of BC Tel **Arnold Gatzke**, BSc'57, MSc'59, PhD (Queen's), is at Dow Chemical Research, in Midland, Michigan Professor of Physiology and Biophysics at Victoria Hospital in Halifax, **Gerald A. Klassen**, MD'57, FACC, is College Governor of the Atlantic Provinces in Canada for the American College of Cardiology's Board of Trustees **Jim Sharp**, BA'57, MSc'60, PhD (Riverside), is manager of Planning Development at Xerox Research Centre, Mississauga **Henry A. "Mike" Cooper**, BA'59, was promoted to Commodore and is Director General, Personnel Services at National Defence Headquarters, Ottawa **Gary Cooplan**, BCom'59, has taken over management of Great West's Venture Capital Investment program.

60s

Senior Vice President of the Medical Health Sciences Centre in Winnipeg, **D.R. Carlow**, MD'60, is also Assistant Professor and Associate to the Dean, Hospital Affairs, at the University of Manitoba Vancouver Centre MP **Pat Carney**, BA'60, MA'77, was moved from the Energy portfolio to that of International Trade Dalhousie University granted an honorary degree to **E. Margaret Fulton**, MA'60, BA (Manitoba), PhD (Toronto). She stepped down as President of Mount Saint Vincent University in June **Gerald A.B. McGavin**, BCom'60, MBA (California), is Chairman and CEO of BC Hydro Head of the UBC Research Forest is **Don Monroe**, BSF'60, PhD'68 **Albert Puska**, MD'60, MSc (Ohio), obtained his J.D. degree from Pacific Coast University, Los Angeles Vancouver Alderman **May Brown**, BPE'61, was named to the Order of Canada **David Latham**, MEd'61, retired from teaching in 1984 **Dixie Cutler**, BA'62, is General Manager responsible for client services with Glover Business Communications **Don Robertson**, BA'62, is minister with Highlands United Church in North Vancouver Senior Vice-President, Corporate Finance, for Loewen, Ondaatje, McCutcheon & Company Limited is **Charles B. Loewen**, BCom'63, **Charles "Chuck" Dunn**, BCom'63, is instructor of Real Estate Appraisal for Vancouver Community College at Langara Campus **J.E. Gervay**, MSc'63, PhD'65, is Research Associate at DuPont Head of Chemistry, University of Manitoba, **Bryan Henry**, BSc'63, is resigning and accepting a Killam Fellowship After 10 years teaching in the Summerland district, **Anne (Davidson) Russell**, BPE'63, is spending this year on an exchange in Ilkeston, England **Bill Wedley**, BCom'63, is President of the Administrative Sciences Association of Canada Chief Librarian for Huron County, Ontario, **William Partridge**, BA'64, MLS (Toronto), received the 1985 Award of Merit from the Ontario Library Trustees' Association **Anne (Elliott) Lindsay**, BHE'65, has written a cookbook, *Smart Cooking*, in cooperation with the Canadian Cancer Society Alive Magazine has just published the first book by **Udo Erasmus**, BSc'66, entitled *Fats and Oils: The Complete Guide to Fats and Oils in Health and Nutrition* **E.S. Hall**, PhD'66, and wife **Judy Hall**, PhD'67, are both in Chemical Engineering at University of

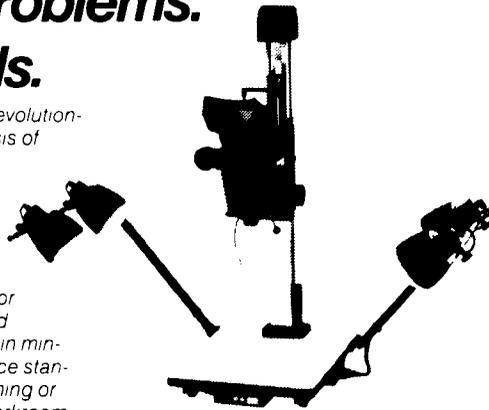
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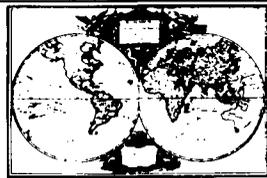


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Calgary Associate Professor of Anatomy, Philadelphia College of Osteopathic Medicine, **Tage V. Kvist**, BSc'66, MSc'69, PhD (Pennsylvania), received the Christian R. and Mary F. Lindback Foundation Award for distinguished teaching **Colbert Nepaulsing**, BA'66, MA'67, has written *Towards a History of Medieval Spain* **Weh-Sai Wu**, MSc'66, is Senior Scientist, Occupational Health, Ministry of Labor, Weston, Ontario **Gillian (Cooper) Crowley**, BEd'67, MA (Calgary), is manager for communications consulting firm Wordswork **Edward H. Dahl**, BA'67, MA (Carleton), of Ottawa, married Myra Grimley Teacher-Librarian **Grace Funk**, BLS'67, MLS'78, of Vernon, won the Margaret B. Scott Award of Merit at the Canadian Librarians Association Conference University of Manitoba's **Mavis Gray**, BLS'67, is in Dafoe Government Publications **Norm Watt**, BSc'78, MBA'69, is a partner in Computech Consulting Canada North Country Community College of Saranac Lake, N.Y., promoted **Sydney (Shaw) Spraggs**, BA'67, to Assistant Professor of Communications **Richard E. Becker**, BSF'68, MSc'71, married Maria Teresa Manriquez of Santiago, Chile **Daryl Ann (Dubpernell) Dickman**, BLS'68, is a librarian at Brock University in St. Catharines, Ontario, where her husband, **Mike Dickman**, PhD'68, is professor of Biological Sciences The BC Transplant Society has appointed **Bernadet Ratsoy**, BScN'68, MSc'81, as Vice Chairman **Linda L. Riddle**, BA'68, is Administrative Assistant, Boundary Central Secondary School, in Midway **Gerry Sinclair**, BA'68, PhD'76, is director of educational research at The Mitek Group in Vancouver **Elizabeth (Cavin) Straforelli**, BEd'68 (Elem), teaches English in a job retraining program in Nice, France Kamloops Senior Secondary School Teacher, **Des Verma**, MEd'68, won the Karl Knapp Award and a Life Membership from the Kamloops Teachers' Association **Joe Elkin**, BCom'69, is a salesman with NRS Commercial Realty Senior Database Editor at the Centre for Mass Media Studies, University of Western Ontario, is **Kathryn Hazel**, BA'69, MA (Western) **H.C. Henry**, PhD'69, is products manager at Esso Petroleum, Sarnia **Ron Kydd**, PhD'69, is on the Faculty of Chemistry, University of Calgary **Andy Lamb**, BSc'69, is writing a book on Pacific coast fishes **Harold J. Meyer**, BCom'69, LLB'70, is President and CEO of First Interstate Bank in Los Angeles **Paul Wiens**, BLS'69, is Director of Libraries of Saskatoon.

70s

Western State University granted a law degree to **Robert A. Fiddes**, MD'70, who is in family medical practice in California Head of the Engineering Library, University of Manitoba, is **S. Norma Godavari**, BLS'70 **Don Monroe**, LLB'70, is BC's Industrial Inquiry Commissioner Outgoing President, BC Teachers' Federation, **Patrick Clarke**, BA'71, MA'81, is BC Regional Coordinator for CUSO Partner at Clark, Wilson, **Lyll D. Knott**, BCom'71, LLB'72, Q.C., was appointed to the National Selection

Committee of the Duff-Rinfret Scholarship commemorating the 100th anniversary of the Supreme Court of Canada . . . **Tony Lowe**, BSc'71, MBA'74, is Supervising Coordinator, Planning & Distribution, Newsprint Logistics, for Macmillan Bloedel . . . Keen Engineering appointed **Blair McCarry**, BASc'71, as General Manager, Vancouver Office . . . **Michael Gee**, BEd'72, MA (St. Frances Xavier), has released an *Anthology of Steam Railroad Poetry* . . . **D. Ian Bruce**, BSc'72, is a partner in Computech Consulting Canada . . . **Greg Kocher**, BPE'72, is an importer and exporter of diving products . . . **Stephen Owen**, LLB'72, is the new B.C. Ombudsman . . . UBC Alumni Association Vice President, **D. Lyle Stevenson**, BASc'72, MSc (Bus Admin)'75, is Director, Information Systems Management Services, for Price Waterhouse in Vancouver . . . **Douglas M. Hume**, BA'73, is leasing coordinator of Imbrook Properties . . . **Don Lim**, BSc'73, MSc (Toronto), is a biochemist at the National Defence Medical Centre in Ottawa . . . **Robyn E. (Reid) Miller**, BEd'73, moved to St. Catharines, Ontario, with husband **D. Alexander Miller**, BSc'76, MSc'78, MD'81 . . . Food scientist **Allan Paulson**, BSc'73, MSc'78, PhD'86, works in the food processing section of the Summerland Research Station . . . Both **Robert James "Jim" Stinson**, BSc'73, BEd'74, and wife Maria teach high school in Prince George . . . **Laurie Yaworski**, MBA'73, is Senior Vice President and Chief Financial Officer for BC Central Credit Union . . . Qualicum School Board appointed **Joan Beck**, BEd'74, as Director of Instruction (Curriculum-Special Education) . . . **Louis Conway**, BA'72, BArch'80, has completed a course in Theatrical Acrobatics . . . **Scott Gordon**, BSc'74, BArch'79, is an Associate with the architecture research firm of Davidson/Yuen . . . **Linda Catherine (Kerley) Kent**, BPE'74, has stopped teaching to be a full time mother . . . **Roger Knox**, BMus'74, received a Ontario Arts Council commission to write a composition for Toronto chamber group Ardeleana . . . **Charles Lin**, BSc'74, PhD (MIT), and **Janet (Lee) Lin**, BSc'78, are leaving Toronto with their two children. Charles is joining Montreal's Department of Meteorology . . . **David Mattison**, MFA'74, MLS'78, had his book *Eyes of a City: Early Vancouver Photographers, 1868-1900* published by the Vancouver City Archives . . . **Roger A. Peterson**, MSc (Bus Admin)'74, will be in the 1986 *Personalities of America* for contributions to business and education . . . **Peter Sanders**, BSF'74, MF'81, is not in charge of the UBC Research Forest as we mistakenly reported last issue. He is the Resident Silviculturalist there . . . **Patricia Wolfe**, MA'74, MBA'84, BA (Western), is a manager in the Finance Department, Vancouver City Hall . . . **Alnoor H. Abdulla**, MD'75, was elected to full Fellowship of the American College of Chest Physicians . . . Librarian for Saskatchewan Highways Planning Library is **Ellen Basler**, MLS'75 . . . **Allan Collings**, BCom'75, is Controller for Rogers Cable TV in Vancouver. His wife **Carolyn P. Egri**, BCom'75, MSc'83, begins her PhD in Commerce and Business Administration this fall . . . Completing

his eighth year teaching at Kumsheen Secondary School, **Doug Davis**, BPE'75, is part of the search and rescue team in Lytton . . . **Donald J. Elfner**, BCom'75, is Internal Auditor for Sears Canada, in Regina . . . **Forrest Nelson**, LLB'75, is staff lawyer with the Dawson Creek branch of the Legal Services Society . . . After a leave of absence in the south Pacific, **Patrick Raynard**, BA'75, MLS'78, has returned to the Vancouver Island Regional Library in Nanaimo . . . **Gerald Longson**, BSc'75, BArch'79, is an associate with Davidson/Yuen Partners . . . **Bruce Richards**, BA'75, works for the family firm, Trusco, in Prince George . . . Substitute teacher **Sharron L. Sweeney**, BEd'75, has reverted to her maiden name and lives in Vernon with her two daughters . . .

Kelowna artist **Harry Edmond Tonn**, BFA'75, is marketing prints he made of the Okanagan . . . **Michael Blanchflower**, BCom'76, LLB'77, is joining the Attorney General's Chambers as Crown Counsel in Hong Kong . . . **Joylene Campbell**, MLS'76, joined Saskatchewan Library as Director of Professional Services . . . Promoted to Sales Manager, Western Canada for Intergraph Systems, **Bob Campbell**, BASc'76 (Elec Eng), moved to Calgary . . . **Andrew T. Holmes**, BASc'76, is an Associate with Piteau Associates Engineering in Vancouver . . . **Lesleigh "Leigh" Hussey**, BA'76, is curator of the Delta Museum and Archives . . . Joining Wood Gundy as an account executive is **Ann Jefferson**, BCom'76 . . . **Peter Lattey**, BArch'75, is moving to Adelaide,

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Australia with his wife and three kids . . . Practising in the field of family law, **Barbara J. Nelson**, LLB'76, is President of the British Columbia Branch of the Canadian Bar Association . . . **Thomas E. "Ted" Perry**, BA'76, MA (Western), and **Susanna Dunnnett**, BA'80, were married in December . . . Art Historian **Dennis Sexsmith**, BA'76, MA'80, is Assistant Professor in the University of Manitoba's School of Art . . . **Reno Ciolfi**, BSc'77, is Vice Principal of Lillooet Secondary School . . . Clinical Associate Professor of Dentistry at UBC, **James Finlay**, DMD'77, married Colleen Anne Gromley in June . . . Branch Manager with Johnson Controls, **David Gill**, BASc'77, moved to Philadelphia . . . **Bruce C. Hobson**, BSc'77, MD'81, is a partner at the Medical Clinic in Tofino . . . **Kenneth Gary Horne**, BEd'77, MEd'81, teaches Business Education in secondary school at Nakusp . . . In April **Bud Koch**, BScF'77, married **Susan Johnson**, BSc (Agr)'76 . . . **Norman George Lewis**, PhD'77, is an Associate Professor, Wood Chemistry, at Virginia Polytechnic Institute and State University . . . **Timothy Pells**, BA'77, is a member of the English Guitar Quartet which performed at Expo '86 this summer . . . In Campbell River, **Doug Phyll**, BEd'77, is Vice Principal at Campbellton Elementary School . . . Working in accounting, **Stan Tam**, BSc'77, lives in Abbotsford with his wife, **Shirley (Yue) Tam**, BA'80, a teacher . . . **Charles E. Watson**, MA'77, is Finance Manager at Berge Ford in Mesa, Arizona . . . **Cal Barber**, BCom'78, is in the MBA Cooperative Program at Northwestern

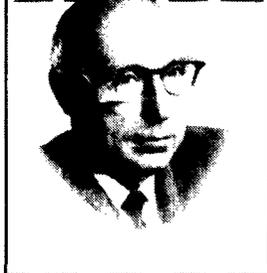
University in Boston . . . **David Baydala**, BPE'78, teaches Jr. High Math and Phys. Ed. in Atwater, California . . . Actor, writer, and theatre director **Kenneth Brown**, BA'78, performed his one man play "Life After Hockey" at Expo '86 . . . While finishing his dissertation, **Harry Kransnick**, LLB'78, MEd'81, is an instructor in English, Educational Psychology, and Introductory Sociology at the University of Guam . . . **Lawrence Surges**, BMus'78, is instructor of Clarinet, Canadian Forces School of Music, Esquimalt . . . After practising dentistry in Cranbrook for six years, **David Sweet**, DMD'78, is Assistant Professor in Oral Medicine at UBC . . . Both **Garry E. Wadson**, BSc'78, and his wife **Patty (Lawrence) Wadson**, BSc'82, teach in Prince George . . . **John William Bennie**, BSc'79, is practising law with Beckingham and Co., Port Alberni . . . **Trevor Boggie**, MBA'79, has returned to Vancouver after three years with Xerox in Sydney, Australia . . . **Gwendoline J. (Fraser) Boilevin**, BA'79, lives in France, where she is married and works in hospitals . . . **P. Mark Hawley**, BASc'79, is an associate with Piteau Associates Engineering . . . General Manager for Weldwood Lumber in Squamish is **Tony Ker**, BSF'79 . . . Petroleum Engineer for BP in the North Sea gas and oil fields, **David Maddison**, BASc'79, lives in Aberdeen, Scotland with his wife **Yvonne (Stevenson) Maddison**, BEd'79, and son Nicholas . . . Director of the Canadian Public Relations Society (Southern Saskatchewan) and Chairman of the chapter's Professional Development

Committee, **Darrel O. Noakes**, BA'79, lives in Regina.

80s

Allan Bennett, MBA'80, is President and Chief Operating Officer of the Amalgamated Construction Association of BC . . . Canada's northernmost municipal engineer, **Terry Brookes**, BASc'80, lives in Cambridge Bay, NWT, with wife Diane and their four children . . . **Wayne Goodey**, BSc'80, MSc'84, is at Monash University, Clayton, Australia, working on his PhD in Zoology . . . **Patti (Stonely) Holm**, BEd'80, married a future BASc grad, Jeffery Holm, last December . . . In June, **Alison Hughes**, BEd'80, married David S. Whyte . . . **Kerry Lee**, BCom'80, has moved from Toronto to Vancouver where he is Marketing Manager with Fisons Western Corporation . . . The only paid employee of End the Arms Race, **Gary Marchant**, BSc'80, is working on his PhD in fruitfly genetics . . . **Michael O'Connor**, BA'80, is finishing his work on "Malone", a Burt Reynolds film shot in the BC Interior this summer . . . Having received his CA designation, **David C. Wong**, BCom'80, is a senior auditor for First City Trust . . . Design Department Head of a Boston architecture firm, **Paul Zanette**, BA'80, BArch'85, teaches at the Boston Architecture Center . . . **Richard T. Ballantyne**, BASc'81, is Division Engineer, Eastern Division, for Trans Mountain Pipe Line . . . **Daryl Edward Clark**, BA'81, LLB'84, is married to **Joanna (Philips) Clark**, BEd'86, and practises securities law with Davis & Company . . . **Pat (Stainsby) Gast**, BSN'81, is working towards a Masters Degree in Nursing at UCLA . . . Married to **Melanie (Leitch) Grant**, DipDH'82, **Jim Grant**, BEd'81, MBA'84, is articling at Thorne Riddell Chartered Accountants . . . **Sharon Henderson**, BA'81, Dip Ed (Vis Imp)'82, MA (California), is a teacher of the visually impaired in Surrey . . . Promoted to Associate Professor, Metallurgical Engineering and Materials Science, at Carnegie Mellon University, Pittsburgh, **Hani Henein**, PhD'81, received the outstanding Young Members Award and President's Award from the AMS, Pittsburgh Chapter . . . **Merl Francis Hoekstra**, BSc'81, PhD (Loyola), of Vernon is doing post doctoral work at Scripps Research Institute, La Jolla, California, . . . After obtaining his CA designation, **James Kershaw**, BCom'81, returned to Queen's University to study law . . . **Katheryn Lorene Peterson**, BSc'81, and **Brian McGibney**, BEd'83, were married in Naramata, B.C. . . . **Janice Switlo**, BCom'81, LLB (Osgoode), is articling with Ladner Downs in Vancouver . . . **Bruce F. Biles**, BASc'82, is Vancouver sales representative for Rexnord's Mechanical Power Division, of Milwaukee . . . After working in Shanghai and Seattle, **Sue Anne Johnston**, PhD'82, married Gordon Cairns and lives in Vancouver . . . **Jane Loftus**, BCom'82, is with Thorne Riddell Chartered Accountants in Paris . . . Working for UMA Engineering in Edmonton, **Michael Payne**, BASc'82, MEng'85, is married to **Jennifer Nasmith**, BSN'83, who is with the Edmonton Board of Health . . . **Jane C. Petrovich**, MSc'82, lives in Oakville, Ontario . . . An

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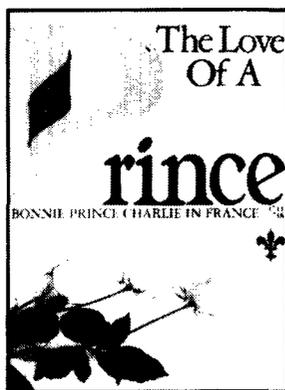
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agronomist with CUSO in Mozambique for four years, **Keith Vaessen**, BSc'82, is back in B.C. . . . **Reg Zima**, BCom'82, was recently transferred to Toronto with Touche Ross . . . In June **Sonia T.M. Ang**, BFA'83, married **Winston L. Sayson**, BA'85, who is studying law at UBC . . . **Robert Baskerville-Bridges**, BSc'83, lives in Sooke with his wife, **Sherry (Savage) Baskerville-Bridges**, MD'84, who is in general practice there . . . Both law students at University of Toronto, **Joseph Bernardo**, BA'83, MSc (LSE), and **Sharlein (Smith) Bernardo**, BA'84, married in Vancouver in 1985 . . . **Peter Chant**, BCom'83, is Senior Loans Officer at the Royal Bank, Kelowna . . . **Suzanne (Milne) Cresswell**, BSc'83, works at the Santa Clara Valley Medical Centre in San Jose, California . . . Married in 1985, **David Fiello**, BMus'83, and **Karen (Stewart) Fiello**, BA'85, are both at the University of Victoria pursuing graduate degrees . . . Editor of Edmonton Magazine, **Susan L. Fisher**, BFA'83, recently won a Western Canadian Magazine award for best article in the "Arts" category . . . **Tony Fograssy**, BSc'83, is with Mobil Oil in Libya . . . Working in Community Services in Maple Ridge, **Frank Gabiniewicz**, BRE'83, married **Betsy "Beau" Henderson**, BA'84, in August . . . **J. Fraser Mustard**, BSc'83, was elected to the Board of Directors for Stelco . . . Director of Retail Promotions for Hammerson Canada Inc. in Calgary, **Iasbel Ramsey**, BA'83, is married to **John Ostrom**, BSc'85, an exploration geologist with Shell Canada Resources . . . **Brad Watson**, BA'83, LLB (Queen's), has returned to Vancouver to article with the firm of Campey & Murray . . . Currently self employed with University Sprinklers, **David James Wizinsky**, BA'83, received his Bachelor of Laws Degree from the University of Victoria in June . . . Vancouver Police Constable **Mark Wolthers**, BCom'83, is married to Joanne Hill . . . **R. Craig Bentley**, BASc'84, and his wife **Michelle (Bolton) Bentley**, BEd'85, have moved from Victoria to Winnipeg . . . Married to Christopher Ford, **Amy L. Brice**, BSc'84, is studying towards a PhD in Human Embryology/In Vitro Fertilization at Oxford . . . **Frederick Gook**, BPE'84, has a full time real estate business in Vancouver but is seeking involvement in sports/athletics marketing and promotion . . . **Robert Guzyk**, BA'84, is a clerk in the New Westminister Law Courts . . . **Perry M. Monych**, BSF'84, MBA (Harvard), is an executive assistant with the Principal Group in Edmonton . . . **Olivier Moreau**, BSc'84, is a computer programmer for the Bermuda government . . . In June, **Gordon Wong**, BSc'84, married **Susan Asoaka** . . . **Mohammad M. Zafer**, LLM'84, is a Visiting Lecturer at the Faculty of Law, University of Malaya in Kuala Lumpur . . . **Renato Alongi**, BA'85, teaches languages in Lillooet . . . **Tom Armitage**, BPE'85, was married in June . . . In Prince Rupert, **Linda A. Breton**, BCom'85, is articling as a CA with Wallis, Scott, Rosano and Vohora.

In Memoriam

Franco Agolini, MSc'62, PhD (Toronto), September 8, 1985 in Luxembourg. He is survived by his wife, Beverly, a son and two daughters.

Diane Barwick, BA'59, PhD (ANU, Canberra), April 4, 1986 in Canberra, Australia. An anthropologist and historian, she contributed much to the study of Aborigines and published extensively. She is survived by her husband, Dr. Richard Barwick, daughter Laura, and sister, Edna MacEachren Borden, BSN'61, of Burnaby.

Jim Boulding, BPE'55, May 7, 1986 at Campbell River. He was interested in environmental and nature study and the Heaslip Award, sponsored by the United Nations and the National Institute of Ottawa, was to be presented to him just days after he died. He is survived by his wife, Myrna, daughters Elizabeth, Annie and Josie, and sons Jamie and Nicholas.

Reginald Bundy, BSW'48, June 1986 in Toronto. He worked for years in the Toronto YMCA and was instrumental in the founding of York University. He is survived by his wife, Anita, and daughter Judi.

Michel Peter "Mitch" Burchill, BA'61, June 18, 1986 in London, England. A former UBC teacher of Slavonic and Oriental Studies in the early 1960s, he is survived by his parents Charles and Waveney Burchill.

William F. Byers, BASc'37, May 1, 1986 in Edmonton. He is survived by his wife, Shirley.

David Henry "Pi" Campbell, BA'33, BEd'58, April 23, 1986 in Penticton. A principal and superintendent of schools for the public school system, he played on the UBC basketball team that won the first Canadian Championship in 1931. He is

survived by his daughter Sharon D. Moore, BEd'67. Donations to the scholarship fund set up in his name may be sent to the Central Okanagan Bursary Society, Box 845, Kelowna, BC, V1X 7P5. **W. Gordon Fields**, BA'37, MA, PhD (Stanford), January 26, 1986, in Victoria. He played a major role in the building of the Biology Department at the University of Victoria, and was Chairman from 1951 to 1971. He is survived by his wife, Barbara, daughters Elizabeth and Margot, a sister and four brothers.

Tom George Furness, BCom'49, June 10, 1986 in New Westminister. A teacher, principal, and band instructor, he served in Burnaby for 27 years before retiring in 1982. He is survived by his wife, Dorothy, daughters Linda Kirbyson and Nancy Furness, sisters Joyce Gibert and Shirley Phillips and several grandchildren.

Leslie Robb Gue, BSW'60, June 1, 1986 in Edmonton.

Elfreda (Goerzen) Graham, BSc'69, December 31, 1985. She is survived by her sister Helen Rose Pauls, BEd'69.

J. Desmond Howard, BA'32, February 23, 1984. He taught school in Kamloops from 1931 to 1968.

Wilfred H. Jeffery, BASc'35, February 20, 1986. He is survived by his wife Margaret.

Ronald Woodard Klinck, BASc'32, MASc'35, March 31, 1986, in Victoria. The son of Leonard Klinck, former UBC President, he was an accomplished engineer, designer, and teacher and was once Head of the Engineering Division of the BC Research Council. He is survived by his wife Alice Mary.



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Grant Douglas Lowan, BA'82, May 1984.

He is survived by his parents.

Barbara Beatrice Loweryson, BA'70, MEd'80, June 2, 1986. She taught for many years at Sutherland Secondary School in North Vancouver. She is survived by her mother, Sarah Loweryson, of Lachine, Quebec, and a brother and four sisters.

Ernest G.H. Lubben, BEd'62, March 15, 1986 in Sardis, BC. He is survived by his wife.

Amos Beresford Timothy Masuka, BEd'68, April 21, 1986, in Zimbabwe. He is survived by his wife Gladys.

Malcolm Archibald Macdonald, BA'49, LLB'50, June 1986. A provincial court judge at the time of his death, he had been a lawyer and North Vancouver Alderman. His father, also Malcolm, had been BC's Chief Justice, while one brother, James, is Court of Appeal Judge, and another, Alex, is former NDP government attorney general. He is survived by his wife, Nancy, daughter Mary, and son Michael.

Carrie Isabel (Elliott) McIntosh, BA'16, April 23, 1986. A member of the first graduating class of UBC, she was the daughter of early Vancouver pioneers.

Very active in community and volunteer groups, she was also a great supporter of UBC and the Alumni Association. She is survived by her brother H. Stanford Elliott.

William Minalty, BA'26, October 3, 1985.

Frank Selkirk Morley, BA'30, PhD (Edinburgh), June 20, 1986. He was a pastor in many churches across Canada, taught history at Mount Royal College, Calgary, was Associate Editor of the Lethbridge Herald, and a member of the Canadian Delegation to the United Nations. He is survived by his wife, Mary, and two sisters.

James Gordon Noel, BA'49, August 28, 1985 in Vancouver. A UBC athlete and member of Beta Theta Phi, he was a noted lumberman and was in management with McMillan-Bloedel and head of the Doman Duke Point mine in Nanaimo for two years. He is survived by his wife, Jocelyn, six sons, and five grandchildren.

V. Stephen Papezik, BA'54, MSc' 57, June 23, 1986. Born in Czechoslovakia, he emigrated to Canada in 1951. He taught at Memorial University in Newfoundland until his death. He is survived by his wife, Hope. Donations to a fund established in his name for the continuation of building the mineral collection may be sent to the Anniversary Fund (Mineralogy), Memorial University, St. John's, Newfoundland, A1C 5S7.

Gwendolyn (McRae) Parker, BHE'51,

April 15, 1986 in Edmonton. She is survived by her husband Douglas H. Parker, parents Mr. and Mrs. R. McRae, and daughters Jennifer and Anne.

Julia Lamont Reekie, MA'61, June 19, 1986 in Vernon.

Margaret Esther Rummel, BASc'34, April 1, 1986 in Beachcomber, Vancouver Island. She is survived by husband Frederick, and children Emily Thomas, Dorothy Frost, Sally Kunz, Charles Hummel, brothers and sisters and nine grandchildren.

C. W. "Bill" Van Houten, BCom'41, April 16, 1986. He worked for many years with Young and Rubicom Advertising in Toronto before retiring to Vancouver. He is survived by wife, Miriam, sons Carl, and Philip, daughter Karen Helene Oberoi, and seven grandchildren. ■

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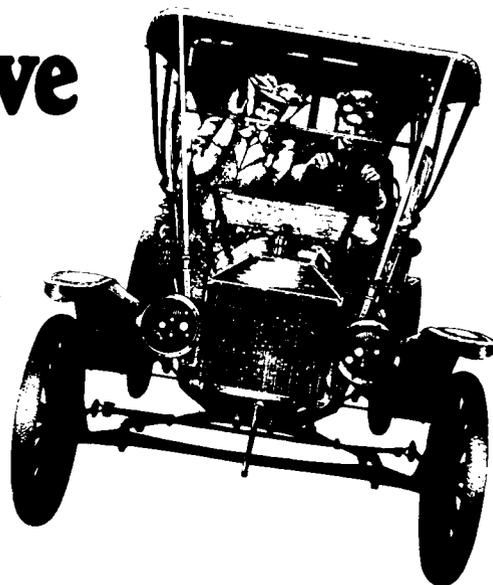
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