SPECIAL COLLECTIONS

Service in War Memorial Gym honors Walter Gage

Members of the University community and other friends of Dr. Walter Gage gathered in UBC's War Memorial Gymnasium yesterday (Tuesday, Oct. 10) for a memorial service for the man who was "Mr. UBC" to generations of students and colleagues.

The death of Dr. Gage from cancer on Oct. 3 at the age of 73 ended a 57-year association with UBC that began in 1921 when he enrolled as a freshman student.

All 3:30 and 4:30 p.m. classes and labs were cancelled to enable students and faculty members to attend Tuesday's memorial service.

Speakers at the service included President Douglas Kenny; two former chancellors of the University, Dr. Allan McGavin and Dr. Nathan Nemetz; Professor Emeritus of English William Robbins, who knew Dr. Gage from his teaching days in the 1920s at Victoria College; and Douglas Aldridge, a president of the Engineering Undergraduate Society and the Alma Mater Society during Dr. Gage's tenure as UBC's president from 1969 to 1975.

UBC's present chancellor, Hon. J.V. Clyne, read the 23rd Psalm at the memorial service.

UBC alumni and other friends of the University are advised that memorial contributions in tribute to Dr. Gage may be directed to the UBC Alumni Association.

Before his death, Dr. Gage indicated an interest in supporting the Crane Memorial Library for the blind, where he spent many hours recording textbooks and novels after his retirement as president, the UBC Press, and "student projects with academic components involving merit and initiative."

Cheques should be made payable to the University of British Columbia, with an indication as to whether they should be directed to the "Crane Library," "UBC Press," or "Student projects."

The Student Representative Assembly last week voted to give $500 to the Crane Library in honor of Dr. Gage.

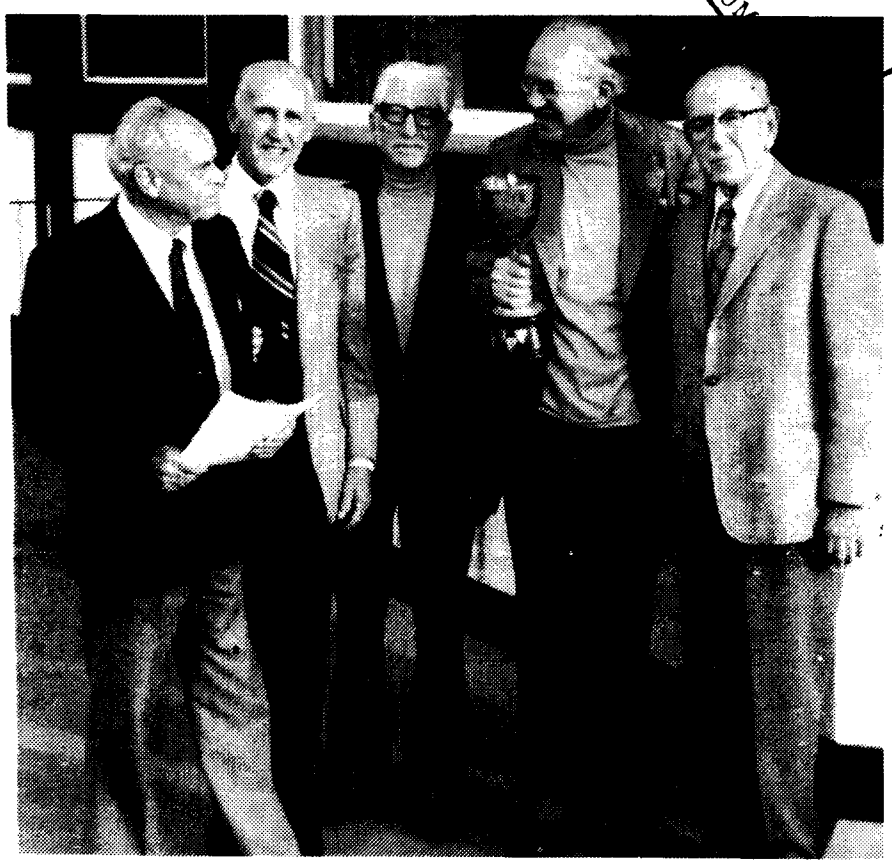
A special four-page insert on the career of Walter Gage begins on Page 4 of this edition of *UBC Reports*.

UBC reports

Volume 24, No. 14
Oct. 11, 1978.

Published by Information Services, University of B.C., 2075 Wesbrook Mall, Vancouver, B.C. V6T 1W5, 228-3131. Jim Banham, editor. ISSN 0497-2929.

OCT 30 1978 UNIVERSITY OF



Tradition almost as old as UBC — the Arts '20 Relay from 12th Ave. and Willow St. in Vancouver's Fairview district to the UBC campus — will be relived tomorrow (Thursday) by more than 450 runners who will be vying for the cup held above by John Weld, class of 1920, who ran in the first relay which focused attention on the need to move the UBC campus to Point Grey from the "Fairview Shacks" on the grounds of the Vancouver General Hospital. Relay begins in Fairview at 1:00 p.m. and ends at the Cairn on the Main Mall. With Mr. Weld are four other early graduates of the University who ran in the relay in their day and are now members of the UBC Fairview Committee: left to right, Professor Emeritus of Geological Sciences Harry Warren, 1923 graduate Heile Arkley, 1920 graduate John Berto, and at extreme right, Dean Emeritus of Agricultural Sciences Blythe Eagles.

Thunderbirds ready to play Clansmen Nov. 25

UBC Thunderbirds are ready to play Simon Fraser University Clansmen in a football game at Empire Stadium Nov. 25, provided the proceeds go to charity, UBC President Douglas Kenny has announced.

He said a months-long dispute over rules for a return engagement in 1979 was a secondary issue and should be resolved later.

Both universities have agreed that if they meet this year the game will be under Canadian rules. SFU has insisted that this year's loser choose the rules — Canadian or American — for 1979.

"Frankly," Dr. Kenny said, "I think the important thing right now is that we agree to play on Nov. 25 and that the big winner of the game should be charity."

President Kenny said the proposal he was endorsing had come from the UBC men's athletic committee, "which has been working for months toward a full resumption of UBC-SFU sports rivalry."

"I'm sure that Simon Fraser University will agree with a charitable cause," said President Kenny, "and I am sure they must agree that letting an 'if, and, or maybe' dispute over the 1979 game keep us from playing this year is just plain silly.

"In any event, I must say it does seem unlikely that any Canadian university, funded by Canadian taxpayers, would elect to play another Canadian university, in Canada, under anything but Canadian rules.

"However, if that is a problem — and I must say I don't see it as a problem — surely it can be resolved later."

A resumption of the crosstown rivalry (UBC last played SFU in 1971) became possible earlier this year when the Canada West University Athletic Association lifted a ban on member schools playing exhibition games against SFU.

Because Simon Fraser gives athletic scholarships and observes no territorial restrictions on the recruiting of players, the Burnaby university is not eligible for membership in the association.

UBC competes in the Western Intercollegiate Football League, under Canadian rules, against the Universities of Alberta, Calgary, Saskatchewan and Manitoba. SFU competes against U.S. colleges and universities, under American rules.

Both the Thunderbirds and the Clansmen will have completed their 1978 schedules by Nov. 25, a Saturday.

"Let's get this 1978 game out of the committee rooms and onto the playing field," said Dr. Kenny.

Bus Phillips, director of athletics at UBC, echoed President Kenny's sentiments. "Coach Frank Smith and the UBC Thunderbirds are ready to play on Nov. 25," he said.

Research grant increase may only be temporary

Awards for research at UBC in the last fiscal year totalled $21,138,533, an increase of 24 per cent over the 1976-77 fiscal year, UBC's research administrator says in his annual report to the Board of Governors.

The increase, says Dr. Richard Spratley, is the result of a 20 per cent increase in federal government support and a 48 per cent increase in grants from Canadian companies and foundations. For the first time in several years the increase "was more than sufficient to account for the effects of inflation."

Dr. Spratley warns, however, that the 1977-78 figures may only be a short sunny break between storms.

The outlook midway through 1978-79, he says in his report, is not encouraging in the light of announced spending cuts by the federal government. He said the cuts would not have a significant effect on research grants in the current fiscal year, which ends on March 31, 1979.

It appears, however, that all programs will be reduced in the next fiscal year and some programs such as those supported by the Non-Medical Use of Drugs Directorate and Department of External Affairs travel grants have been eliminated entirely.

He said the announced general reductions in the budgets of several of Canada's major granting councils,

Please turn to Page 7
See Research

MLAs here on Oct. 18

MLAs from all parties will spend an informal day on the UBC campus on Wednesday, Oct. 18.

The visit is the third in recent years organized by the University and the UBC Alumni Association to help MLAs keep in touch with university affairs.

MLAs will attend a number of special workshops presented by UBC experts on topics of immediate interest. Each MLA will have lunch with students from his or her constituency in a UBC residence, and will tour the site of the acute care hospital now under construction as part of the expansion of UBC's Faculty of Medicine.

After a tour of other parts of the campus, they will have a working session with UBC President Douglas T. Kenny, and end the day at a reception hosted by the Alumni Association.

Newest member of UBC's Board of Governors is graduate Alan Eyre, president of the Vancouver automotive firm of Dueck on Broadway. He's a former vice-president of UBC's Alumni Association and was active in the 3 Universities Capital Fund of 1964-65, which raised money for construction at UBC, UVic and SFU. Mr. Eyre succeeds Hon. Thomas Dohm, Q.C., who has resigned after serving on the Board since 1972.

Volunteer work seen as aid to academic program

UBC's Office of Student Services has dozens of work opportunities for students. Some of the jobs require few skills, others need some quite specific qualifications, and many ask for nothing more than a congenial nature and a liking for people. There is even one for non-smokers, preferably ex-smokers.

None of the jobs involves payment, however. All the openings are for volunteers.

They are part of a new service instituted in August — a Volunteer Data Bank listing a multitude of volunteer agencies and organizations which need help, with specific information about the kind of people and qualifications they are looking for.

There is an advertisement for a pharmacy student to help in a hospital dispensary for a couple of hours a week; one for rehabilitation medicine students to assist arthritics with occupational and physiotherapy; another for education students to give some extra attention to children with learning disabilities.

For students with some experience in art, writing or public speaking, several organizations require help with publicity materials and public relations. One agency is looking for someone, preferably in library science, to spend four hours a week in its small library. The job for non-smokers is with the B.C. Lung Association which needs instructors for Operation Kick It, a program to help people stop smoking.

An international agency wants help raising funds to care for orphaned and abandoned children around the world. Co-op Radio in Vancouver needs people to assist with show production.

There are many volunteer jobs with children and ill and handicapped people involving teaching assistance, recreational programs, outings, and often, just pleasant company. Other openings are for canvassers, volunteer drivers, clerical workers and typists.

The opportunities are virtually unlimited, and they are all described in some detail on the Volunteer Data Bank bulletin board in the student services office in Ponderosa Annex F.

The data bank was the idea of Cheryl Brown, a counsellor with student services. Although many cities, including Vancouver, operate volunteer referral services, Ms. Brown said she was not aware of any other universities with a similar program.

She said she hit on the idea when many of the students coming to her for career counselling indicated difficulties in finding opportunities to gain experience in their chosen fields.

"It's important that students become aware of how they will fit into certain things, especially in the helping professions. They have to know whether they have what it takes to work with people with problems. It is very difficult to get paying jobs in these areas, and volunteer work is a useful alternative. In addition to the personal satisfaction of making a contribution to the community, a volunteer job offers a student a useful tool in career and life planning.

"For some students, too, volunteer work is almost a necessity if they are going to be accepted into certain faculties. Social work, rehab medicine and special education departments all encourage students to get some volunteer experience before applying."

Ms. Brown said she herself had some first-hand experience in this area: "I wouldn't have got into the grad courses I wanted without volunteer work."

She worked as a volunteer in a children's hospital before studying child psychology at the University of Toronto's Institute of Child Study.

"Once students have the courses they want, the same difficulties arise when they are ready to enter the job market. There just aren't that many career-oriented jobs available to students in fields like library science, law, pharmacy and many others. Their volunteer experience can give them an edge when they are job hunting."

Ms. Brown said that although quite a number of students wanting volunteer experience plan to enter the helping professions (such as social work, rehabilitation medicine and teaching), many represent other groups that would appear to be less people-oriented. "For example, it is important for commerce students aiming at management positions to develop skills in human relations and to learn to work with others on projects."

Ms. Brown said many faculties have traditionally provided information about volunteer work to their students, but the Volunteer Data Bank was an attempt to bring them all together.

The goals of the data bank are three-fold: to communicate to students permanent listings of organizations with frequent need for new volunteers; to provide information about the various volunteer agencies; and to furnish an advertising facility for organizations in search of student volunteers with certain qualifications for specific volunteer jobs. It is intended as a communication link between UBC students and the organizations, and selection is between the student and the organization.

To date, Ms. Brown said, it is difficult to tell what the student response has been, although the bulletin board appears to be attracting a lot of attention. She plans to follow up with the agencies who have advertised to find out how the idea is working.

She said one common concern amoung students is that volunteer work will take up too much of their time. "However, most of the jobs require a maximum of one morning, afternoon or evening a week, and many require as little as two hours a week. Study skills experts say students can handle up to 20 hours work a week without its affecting their studies."

To get the data bank off the ground, Ms. Brown approached some 150 local, provincial, national and international volunteer organizations, asking them to outline their volunteer requirements.

She was very pleased with the response, and most of the agencies were pleased to have the opportunity for student recruitment. "A number of agencies said they had tried to get student volunteers but didn't know how to go about it," she said.

Although the Volunteer Data Bank is intended primarily to bring together students and community volunteer agencies, there are many on-campus services which depend heavily or completely on student volunteers.

Students comprise half of the nearly 200-strong volunteer group helping with psychiatric and extended care patients at the Health Sciences Centre. Their assistance takes many forms: talking with patients, taking them on outings, helping with crafts, arranging concerts, operating gift shops and assisting with office work.

Sherry Kendall, director of volunteer service for the two facilities, says the volunteers are an important part of the hospitals' operation and have a vital role to perform.

Many of the student volunteers are in rehabilitation medicine or psychology, but Ms. Kendall says in general volunteers don't require any specific academic credentials. "The most important thing is an interest in people," she said. "In the extended care unit particularly (where there are 300 patients with an average age of 84), patients don't get out much and it is especially important for them to have someone to talk to. And if volunteers have a special talent, like playing the piano, that's great."

Ms. Kendall said the Health Sciences Centre always needs more volunteers, and interested students can call her at 228-4919.

Another campus facility which depends heavily on volunteers is the Charles Crane Memorial Library for the blind. It uses volunteer readers to record the contents of everything from computer science textbooks to children's stories to best-selling novels. The library stocks thousands of titles for blind students at UBC and Simon Fraser and in public schools all over the province.

Students interested in auditioning as readers should call the library at 228-6111.

Another UBC institution using volunteers is the pre-school for special children. The school, a project of the special education department of UBC funded by the University and the Vancouver-Richmond Association for the Mentally Retarded, serves children who function at a delayed level because of mental retardation or other handicaps. There are 32 children between three and five enrolled.

Cheryl Brown

Wanda Justice, director of the pre-school, says they depend entirely on volunteers to run their swim program. "We also use volunteers to take people on tours through the school (they get about 2,000 visitors a year), and for special projects like getting our library into order, repairing toys, and helping out with special trips like the great pumpkin expedition." (In October, the children go to a pumpkin farm in Richmond to select their Hallowe'en pumpkins and bring them back to make jack-o-lanterns and pumpkin pies.)

Mrs. Justice said students interested in working at the pre-school should call 228-6616 for an interview.

UBC law students have for the past several years operated free legal advice clinics in communities in the Lower Mainland. Paul Walker, a third-year law student active in the program, said the service is a help both to the students themselves and to the community.

"Most of our clientele is pretty down and out. They need assistance with the legal system and can't afford lawyers. For the students, it is a way of integrating course material with real life problems."

Last year, at its peak, about 250 law students — one-third of the school's total enrolment — participated in the program.

During the University term, the students ran 18 evening clinics a week, and during the summer, 13 evening and 18 daytime clinics. The law students also have a weekly clinic on campus, and run a small claims clinic at the Vancouver court house.

Mr. Walker said the problems the law students get range from landlord-tenant through small claims to divorce and consumer difficulties.

Rewards to volunteering

Two student volunteers who give a lot of their time to patients at UBC's Extended Care Unit are Mairtin MacSiurtain, 24, an Irish graduate student in forestry, and Gloria Grover, a 60-year-old theology student.

Mr. MacSiurtain spends two afternoons a week at the hospital, writing letters, taking people to religious services, or just talking with patients. He is also a recruiter of volunteers, and currently has enlisted a group of 12 students interested in visiting patients.

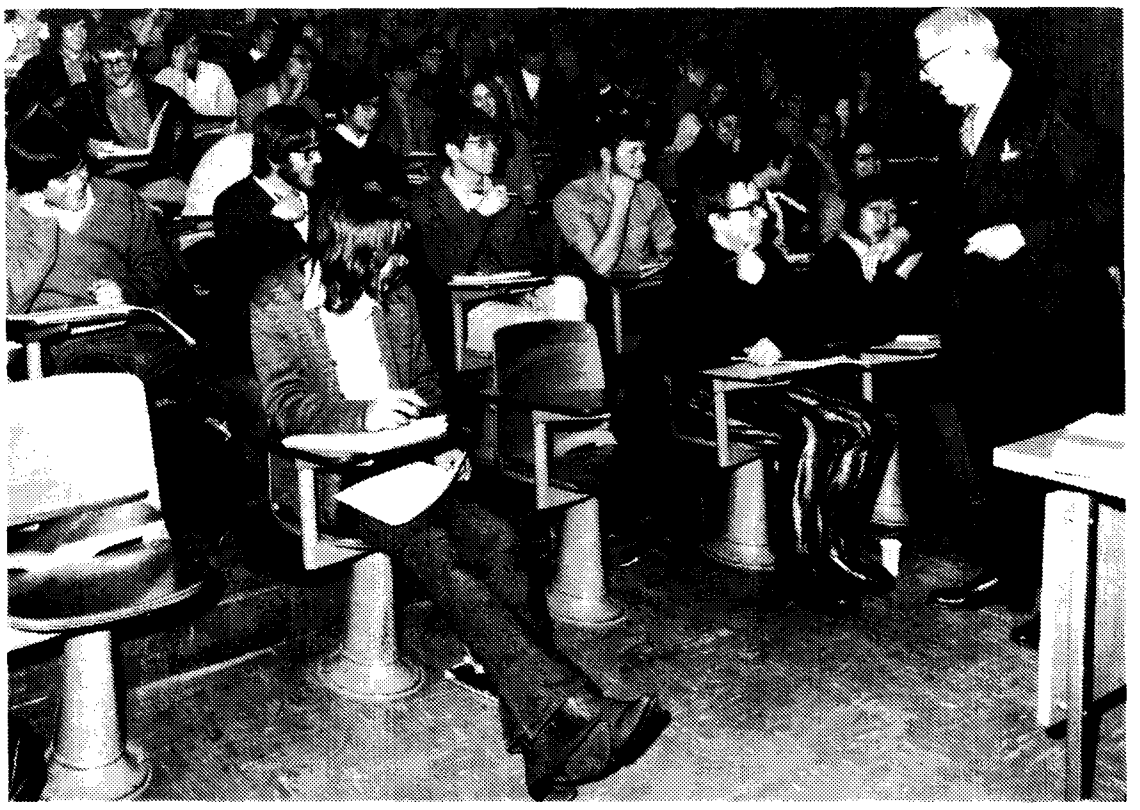
Ms. Grover, who has done a lot of work in the past with suicidal and dying people, gives pastoral care to patients, including counselling, ministry, assessment, praying with the family, "whatever the individual wants."

Both Ms. Grover and Mr. MacSiurtain feel they receive more from their volunteer work than they give. "You can't separate helping and being helped," said Ms. Grover. "These people give me a tremendous thing. Even when they are suffering, or alone, or feeling somewhat rejected by society — you can see the beauty and courage of the human spirit even at the worst times. You get the sense that it is unbeatable. It is a wonderful experience."

For Mr. MacSiurtain, part of the reward of his volunteer work is benefiting from the wisdom of the old people. "When I was 17, I knew how to solve all the problems of the world," he said. "Now I'm 24 and I realize how little I knew when I was 17. If that progression continues through life, people in their 80s must have a perspective most of the rest of us don't. So I go to listen to them, for their wisdom."

He also feels that he is contributing something towards making the world a better place. "As a young person, I spent hours and hours and hours in useless conversation about this world of ours. One day, someone asked me why I didn't do something about it instead of just talking. So I did. Now I don't talk so much about changing the world, I just try and do it."

The end of the Age of Gage



Students learned and laughed in Walter Gage's classroom

Walter Gage's
1925 graduation picture

A portrait from the
Victoria College Annual

The Age of Gage is over for the University of British Columbia.

The death of Dr. Walter H. Gage from cancer at the age of 73 on Tuesday, Oct. 3, in UBC's Health Service Hospital ended a 57-year association with the University that began in 1921 when he enrolled as a freshman student at UBC, which was then housed in the "Fairview Shacks" on the grounds of the Vancouver General Hospital.

Even before he enrolled at UBC, Walter Gage knew he wanted to teach. He thought he might become a high-school teacher, and the thought of a career at the university level had never entered his mind.

He signed up, in his first year, for English, French, mathematics, chemistry and physics. He also decided to take a "distinction" in math and chemistry, which meant in those days that the student took extra lectures and covered additional work.

His academic work also brought Walter Gage into contact with some of UBC's early legendary figures: the late Daniel Buchanan, a math teacher and future dean of Arts and Science, with whom Walter Gage was later to be associated with as assistant dean; Leonard Richardson, another mathematician, whose praise of Walter Gage's work reinforced his desire to be a teacher; and Garnet G. Sedgewick, an English teacher with a rapier-like wit, whose English lectures bulged with visiting students, as Walter Gage's did throughout his career as a math teacher.

At first Walter Gage toyed with the idea of specializing in chemistry. He finally settled on mathematics, a choice he said he never regretted.

His career at UBC was not uneventful. He marched in the Great Trek, the student protest of 1923 which resulted in the decision by the government of the day to appropriate sufficient funds to establish the University on its present site on Point Grey.

In May, 1925, Walter Gage graduated with first-class honors in mathematics.

Already, the qualities for which he had been noted all his working life — his flair for mathematics and his spontaneous humor — were apparent. Here is the personal note about him that appeared in the student annual of that year:

"Walter is a wizard at mathematics. He can do trigonometry backwards, geometry sideways and calculus upside down. When he is not juggling with increments and probabilities, he engages in philosophical discussions, and after winning a victory he celebrates — by playing the piano. Walter has original humor. It is abrupt, spontaneous and unsuspected. Socially, he is reticent, a fact that probably accounts for his dazzling averages at examination times. In the future Walter hopes to be an authority on Einstein."

In the following academic year Walter Gage completed the requirements for the Master of Arts degree again with first-class honors in all subjects — and was promptly hired as a teaching assistant at a salary of $1,200. He also marked papers for two math professors during his university career. He was paid $15 a month in his final undergraduate year and $25 a month as a graduate student.

After lecturing for a year at UBC, Walter Gage enrolled for further graduate work in the spring and summer quarter at the University of Chicago (he was to return to that university again in the summers of 1928 and 1930).

While at Chicago in 1927, he received a telegram from Victoria College, the forerunner of the University of Victoria and then an affiliate of UBC which offered the first two years of academic work in Arts and Science, offering him a teaching post. He accepted, with the blessing of Daniel Buchanan, who had suggested Walter Gage's name for the post.

Thus Walter Gage came to B.C.'s capital city where, for the next six years, he was to be, according to a student of the day, "The mainspring of life at Victoria College."

Here are some reminiscences from people who were associated with Walter Gage, when he was the entire mathematics department as well as bursar, registrar and financial aid officer at Victoria College. The reminiscences first appeared in the March 28, 1975, edition of *UBC Reports* to mark Walter Gage's retirement as president of UBC.

Prof. William Robbins, a retired member of UBC's English department, and his wife, the former Margaret Ross, were both students at Victoria College when Walter Gage joined the teaching staff there. They recall some of his activities and his contribution to life at the College and at UBC.

In September, 1927, a human dynamo moved into the old Craigdarroch Castle which housed Victoria College, a local affiliate of UBC with a half-dozen professors teaching about 150 freshmen and sophomores. Walter Gage had come to teach mathematics. But the energy and personality that made mathematics an exciting and, yes, entertaining subject soon overflowed into unstinted help of all kinds for the students, into registration and counselling, into guidance of extra-curricular activities; in fact, into a general catalytic action on the life of the College that took much of the load from a benign and appreciative Principal Percy Elliott...

The move back to UBC in 1933 meant, essentially, the transfer of that tremendous energy and those diverse gifts to a wider stage. Thousands throughout British Columbia and elsewhere have applauded the brilliant teaching and the administrative talents that carried Walter from assistant professor to president. They hailed him as "Mr. UBC" and have shared in the unique tribute to "The Age of Gage."

Art Stott, a well-known Victoria newspaperman and a Victoria College student when Walter Gage arrived there to teach mathematics in 1927, sent this reminiscence.

Walter Gage came to Victoria College in 1927, young enough to be older brother to its freshmen and sophomores. He brought with him a quick, cheerful understanding of people — he liked them, they liked him — that rare ability to give meaning to mathematics which years later won him UBC's first Master Teacher award, boundless vitality, a readiness to take over on any job nudged his way, exceptional organizing ability, a well-developed sense of the ridiculous and an infectious grin.

Laughter exploded readily in his classes, easing the concentration he inspired in his students.

In a way no other professor attempted, Walter altered the tone of the College. He held to its high

1941 picture from the UBC annual shows a dapper, pipe-smoking Walter Gage

regard for scholarship, but injected a touch of merry nonsense into relatively staid student-teacher relationships. From his UBC alma mater he cribbed a song book and team yells. Lunch-hour pep rallies gave boisterious life to the halls of Craigdarroch — Walter leading with an enthusiasm that at time left him fizzing at the mouth. "Billy McGee McGar", "My Girl's a Hullabaloo", and the Skyrocket chant were adopted as easily as Walter assimilated the student body into his own family.

Work was meat and drink and fun to him. Non-athletic, he was the leading booster of all College teams. When the Players' Club started annual activities, Walter was the dynamo that beefed up its momentum. To him fell registrar's duties and the handling of day-to-day finances.

An odd trust, the latter, because he personally often went broke between paydays. Not that he spent lavishly on himself, but inevitably some boy needed a hand. The hand was Walter's, reaching deep into his pocket until the pocket was empty. It could have been empty anyhow. When the College crowd jammed into Terry's, on the corner of Fort and Douglas, after the game on Saturdays, Walter had the fastest draw in town as the check for malts, shakes, cocoa and buns hit the table. Money, he reckoned, was useful if it could help or give enjoyment to somebody else.

His departure to resume a life-long love affair with UBC left the College feeling sad but not jilted. The older brother had just moved out to begin setting up a home of his own.

UBC graduate Dr. Franc Joubin, famed for spearheading the development of uranium mines in Ontario, sent this reminiscence of student days at Victoria College.

It was the fall of 1931 and two years deep into the Great Depression. The Groper was a nice enough kid of 20, matriculated two years earlier from Victoria high school. Lots of ambition, but no family. No drag and no job other than casual work swamping on a coal-delivery truck. No money, save $190.00 frugally saved over two years.

On impulse, the Groper visited Craigdarroch Castle, then makeshifting as Victoria College, and enrolled as a student to give it a try for the one term he could afford. Teaching there was a young math prof not much older than the Groper — a teaching genius with a deep human interest, and an inspired motivator.

The Groper fell under his spell and despite many intervening obstacles travelled the full educational route and was richly rewarded. The math prof, of course, was Walter Gage, and I was the Groper.

Walter Gage returned to UBC as an assistant professor in 1933 and continued to teach almost without a break until March of this year. Even during his six years as UBC's president from 1969 to 1975 he taught for ten or more hours a week and marked the mid-term and final examinations of every student enrolled in his courses.

He insisted always on teaching a first-year mathematics class, the size of which was often doubled by students from other sections of the course who had learned of his prowess as a teacher.

He was a special favorite of engineering students, most of whom had had him as a lecturer at one time or another as undergraduates. A highlight of his year was a March 5 birthday luncheon sponsored by the Engineering Undergraduate Society.

In fact, for UBC students in general and for Gears in particular, Walter Gage had Charisma, which the dictionary defines as "an extraordinary personal power thought of as belonging to a few great and popular leaders."

And for Walter Gage, the classroom was what the University was all about, as this anecdote from Dr. William Armstrong, UBC's former deputy president who retired recently as chairman of the Universities Council of B.C., illustrates.

...on many occasions when Walter Gage was carrying a heavy burden of administrative problems, I have walked with him to our respective lecture rooms in the Civil Engineering Building. As he entered Room 201 his personality and even his appearance changed. He called dozens of students by name and asked about their various activities. Here was a happy man....

In May, 1975, the EUS organized a banquet for undergraduate students and engineering graduates of the University in honor of Walter Gage. One of the speakers on that occasion was Dr. Henry Gunning, dean emeritus of Applied Science, who had this to say about the guest of honor.

I would not wish to have been dean if Walter had not been in the higher echelon of UBC administration. He helped me in many ways. First as a guest and then as a regular participant, he attended the regular fall dinner for the EUS executive, started about 1954 in the hope that good food, friendly talk and some sage advice might help to keep the roof on the building. He seemed always to have an almost intuitive understanding of and sympathy for the aspirations and motivations of the undergraduates, even when the motivation led to activities of questionable merit....

During and after my stay at UBC I came to realize that the real worth of a professor must be judged in part at least by the things that did not happen to him on campus. In this regard, give Walter Gage top marks. Never to my knowledge has he:

1. Lectured to less than the full class enrolment — making allowance for illness — generally in junior courses to the regular class swollen to near room-capacity by auditors.

2. Been temporarily unable to lecture because wired garbage cans filled with loose metal mysteriously rolled down the stairways in rooms 200 or 201.

3. Had paper bags of water, flour or soot explode near him on the sidewalk approaches, having fallen from the out-of-bounds roof of the Engineering Building.

4. Been unable to leave his lecture room because mini-autos had become lodged against the hall exits as he lectured.

And at that same dinner, Walter Gage had this to say to undergraduates and graduates. For the uninitiated, the incidents alluded to actually happened.

...Some of the happiest moments I've had were working with the Engineering Undergraduate Society and being associated with it.

For some reason or other it seems that the engineers always elect someone to office who has an innocent look...big, round, innocent eyes. So if you phone up and say, "Who the hell has taken the doors off the office of the dean of Arts?" you just see those big round, innocent eyes looking at you. Nobody ever knows nothin'!

Who stole the 9 o'clock gun?

"Well, we really don't know. Of course, we'll try to find out for you, but we really don't know."

Who took the Simon Fraser mace? Who got it out of a locked cupboard, in a locked room, in a locked hall, in a locked building?

"Well, we don't know. Some of us just happened to be driving past...."

Oh, those big, round, innocent eyes looking at you. That's the kind of person that was always elected to the EUS.

You've seen a few of them tonight. Their eyes are round still, and so are their bellies. ... in the early days they used to sing about demolishing 40 beers, at last they've managed it. ...

Seriously, the EUS has enlivened the University for many years. In addition, it's established a record for stable government, has done many things for the University in terms of teaching evaluations, which have been most successful. No other faculty has been so successful. It's also done work such as looking after crippled children... that has won the admiration of many in the community.

And, above all, students in engineering have taken part in community effort, perhaps more than any other group of students or graduates of the University. And wherever you go out in the province ... in Canada and elsewhere, you'll find graduates are on school boards, councils and so on.

I think that I can say that my association with the Engineering Undergradiate Society and with engineers has been a happy one ... because I've been associated with people who've had to work hard for their degrees ... and afterwards have worked not only for themselves, which is reasonable, but

'No one to take his place'

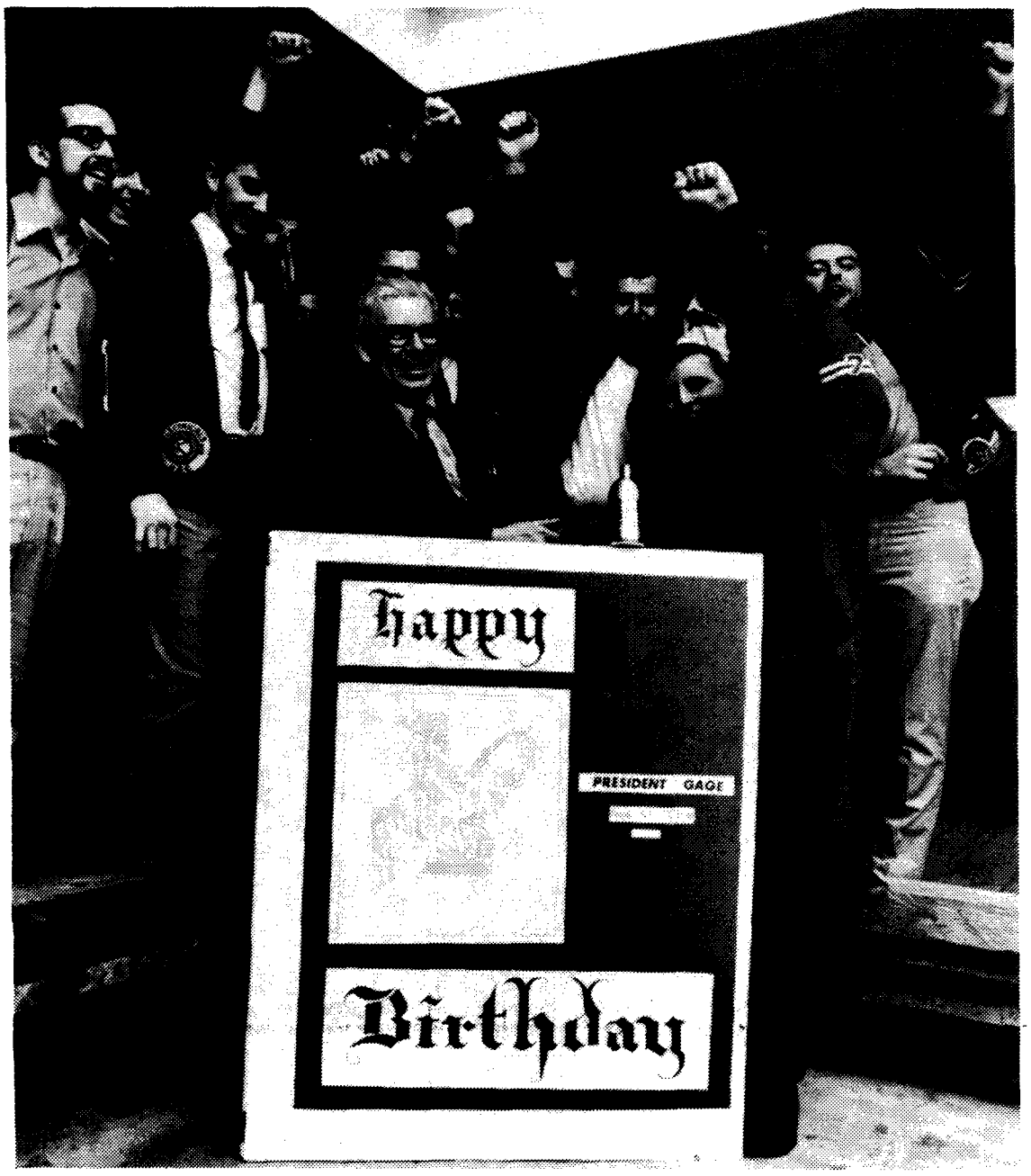
B.C. and Canada have lost one of their "most important and favorite native sons," President Douglas Kenny said in a statement following the death of Dr. Walter Gage on Oct. 3.

"He will be remembered," the president said, "both for his wise counsel and his warm physical presence, which were manifest in his friendly smile and sense of humor, the arm thrown around the shoulder and the pat on the back.

"And in a larger sense, his 57-year association with UBC has had a deep and lasting effect on this institution," President Kenny continued. "In addition to his qualities as a brilliant teacher and a tireless administrator, he will be remembered as a man of the highest integrity who was devoted to encouraging the highest standards of excellence at UBC. His countless acts of kindness to students and colleagues reflected his firm belief in the dignity and importance of the individual."

A UBC Faculty Association statement written by Professor Emeritus of English Language and Literature Roy Daniells said that Walter Gage's "peculiar gift to the ethos of this University lay in his demonstrating the possibility of a life of ceaseless enquiry and activity, utterly devoid from personal ambition or self-seeking; a keen critical sense devoid of all harshness of judgment; an awareness of individual and institutional faults and limitations which was never allowed to impair his buoyant cheerfulness of spirit."

The statement concludes: "He will be grievously missed, for there is no one to take his place. In the Faculty Club, however thronged in future it may be, we shall always sense an empty chair, a vacancy, a missing contact once filled or furnished by Walter, whose word of welcome and candid smile we have so long taken for granted and must now know only in memory."



Annual highlight for Walter Gage was birthday luncheon given by UBC engineers

for the community in which they live. And I've always been very proud of them and will continue to be proud of them ...

I'm very happy to have had this honor tonight. Perhaps the proudest moment was when I was made an honorary member of the Association of Professional Engineers of B.C.* ...

It was a vey lucky day for me when the instructor who happened to be teaching engineers got a little fed up with them. I was sitting at the back of the class because I was supposed to take them in a tutorial. He walked out on the class and asked me to come over to his office. And he said to me, "I'm turning the class over to you. I'm not going to teach them any more."

I'm very glad he made that decision. ... I've never stopped since, and in the coming year and for several years, I'll still continue to teach engineers.

Well, it's nice for us all to start off even. Merry Christmas and a Happy New Year!

Walter Gage's brilliance and popularity as a teacher was matched only by his unflagging energy as a UBC administrator. He never took an extended holiday and was usually in his campus office every day of the week. His day invariably began at 6:30 a.m. and he was often at the University until midnight attending meetings or social events.

Here's a reminiscence from Dr. Ralph James, former head of the mathematics department, who recalls two occasions when Walter Gage took a day off from work at UBC.

The first time was a long time ago when Walter was very much a part of the UBC Musical Society. There was to be a one-night stand at the University of Washington and he asked me to drive him there and back. I do not recall what the production was, but it went off well. We stayed at the Edmund Meany Hotel, although not for long. The next morning Walter was impatient to return and we lost no time in getting back. This hardly counts as a day off.

The second occasion, several years later, was a real vacation, if only for a day. Walter wanted to go for a drive somewhere and I agreed to do the driving. With no particular destination in mind we started early in the morning for Hope and then went on to Princeton. There Walter recalled that a former student of his had come from Hedley (now an abandoned mining town). So we drove there and looked around for a while. I am not sure of the exact route we followed after that, but I seem to remember that we went back to Princeton, up to Merritt and Spence's Bridge, and back down the Fraser Canyon. We must have stopped for food but I cannot recall where. In any event, by the time we were back in Vancouver, we had travelled over 400 miles. I needed some time to recover the next day, but Walter was out at UBC at his usual early hour doing what he loved best.

In fact, over the years Walter Gage had a close association with music and drama. Here's a reminiscence from professor emeritus of theatre Dr. Dorothy Somerset about his activities in her field.

How many of UBC's present body of academics and students know that Walter Gage's past includes a distinguished theatrical career? Yes, indeed, way back in the thirties he won fame as a prestigious director of melodrama. As a member of the advisory body of the Players' Club he staged a series of hair-raising and heart-rending thrillers as his contribution to the important University Christmas program of short plays designed to develop the budding talents of neophyte student actors. ...

But most truly and lastingly memorable is Walter Gage's contribution to the development of theatre at the University. He was one of the members of the faculty most instrumental in winning academic recognition of UBC's Department of Theatre, and in securing the post-war army hut, the old Thunderbird Canteen, as the home of the original Frederic Wood Theatre.

Walter Gage was on the board of directors of the Vancouver Symphony Society for a number of years and the following anecdote from W.K. Gwyer, a 1936 graduate of Applied Science, illustrates his generosity and his concern to uplift cultural standards among engineers.

In an attempt to instil some culture in the engineering students, the Vancouver Symphony prospered by the tickets he gave to us. After the concert, we would be treated to a discussion of the program with Walter who, whenever possible, enlisted the critical help of Dr. (Garnet) Sedgewick, who shared Walter's hope that the "uncouth engineer" might be capable of absorbing some culture.

Before becoming president of UBC in 1969, Walter Gage held so many posts and chaired so many committees that he had earned a reputation as "Dean of Everything."

In addition to serving, at one time or another, as director of Summer Session, assistant to the dean of the Faculty of Arts and Science, dean of inter-faculty and student affairs, and deputy and acting president, he administered UBC's scholarship and bursary program for almost 40 years. It is well known that he often wrote personal cheques for deserving students when student-aid funds had become depleted.

A cheerful and ebullient figure blessed with an encylopedic memory, he often astounded students by enquiring in great detail after brothers and sisters and mothers and fathers who had been students at UBC years earlier.

In this anecdote, 1963 UBC graduate Don Wilson describes Walter Gage's legendary generosity toward students who needed money.

I had just finished a year and was looking for work — and very broke. So I went to Dean Gage to see about getting a loan. Unfortunately, as I was not actually attending school there was nothing I could apply for.

Dean Gage said, "How much do you need, son." I pondered for a while and finally said, "Oh, about $50.00 should see me through until some work comes."

He then reached into his drawer and and took out a *personalized* cheque book and wrote me a cheque for $50.00, adding, "Pay me back when you're fully employed."

At the end of that summer I returned to his office with a $50.00 bill but he wouldn't take it. Twice in succeeding years I've tried, still he refused.

I've since discovered other friends who've had

Continued on Page 6

Degree citations

Walter Gage received honorary Doctor of Laws degrees from the University of Victoria and UBC. The UBC degree was awarded in 1958, ten years before Walter Gage became UBC's president. Here is the citation for the degree, which was followed by a standing ovation that stopped the UBC congregation ceremony for a full five minutes.

I now present, Mr. Chancellor, in the person of Dean Walter Gage, the most and best beloved of our University family. He is, in a sense, the physical embodiment of this University's academic conscience, and a man whose scholarly attainments and standards of teaching are equalled only by his concern always to do justice to colleagues and students alike. But it is the devoted, loyal and tireless servant of this University and friend of its many thousands of students that we really acclaim today, and I am more than usually happy to present to you, sir, for the degree of Doctor of Laws, *honoris causa,* WALTER HENRY GAGE.

And here is an excerpt from the citation of the degree conferred by the University of Victoria in 1974.

I have the honor to present Walter Henry Gage, President of the University of British Columbia — a brilliant teacher, a sagacious administrator, and a friend of countless thousands of students. ...

Throughout his career, Walter Gage has retained a unique relationship with young people, for whom he continues to have a deep concern and in whom he has an abiding confidence. Many have benefited from his personal generosity and from his magic touch in producing financial aid for needy and deserving students. His enthusiasm, his energy, his warmth, and his clarity of mind have inspired thousands to persist toward their academic goals. He has an amazing facility to remember them all, to follow their careers, and to call them by name whenever they cross his path. Walter Gage has, with all his honors and responsibilities, remained approachable, and has retained a human scale of values — a warm friend to generations of young people, who have said, "Here is a head with a heart."

Mr. Chancellor, I now present to you WALTER HENRY GAGE and ask you, on behalf of the Senate and the University, that you confer upon him the title and degree of Doctor of Laws, *honoris causa.*

* On Jan. 8, 1975, Walter Gage was presented with an honorary life membership in the Association of Professional Engineers of B.C., the only person not registered in any Canadian professional engineering association to be so honored.

Shaking hands with graduate, confetti-sprinkled Walter Gage leaves UBC's 1975 Congregation, the last one he attended as president

Five-minute standing ovation greeted Walter Gage in 1958 when he received honorary Doctor of Laws degree at UBC congregation

the same experience. Of course, I'll never forget this. At the time I sure needed it.

UBC Arts and Law graduate Kenneth Burke recalls this encounter with Walter Gage.

As a callow, impecunious first-year Arts student, I arrived on Dean Gage's office doorstep one rainy September day in the early '50s seeking funds to tide me over till Christmas. The dean was in charge of funds for needy students, but what were my chances as an unknown, untried, uninfluential frosh? I believed them to be minimal.

To my amazement, the good dean welcomed me warmly, addressed me by my first name, although I had met him only briefly along with thousands of other students at registration. Even more astounding, the good dean enquired as to the health and welfare of my two brothers who had passed through UBC several years earlier. How, he enquired, were William Thomas and Louis David progressing in the outside world? How he could have recalled both given names of my brothers, who had passed through UBC several years earlier with the massive influx of post-World War Two veterans, mystified me.

After a pleasant exchange I left the office pockets a-jingle, financially secure for another term and convinced that Dean Gage put the "human" in "University." At least he put it in mine.

Political science teacher Dr. C. Lloyd Brown-John remembers a wet UBC winter when he needed a new pair of shoes. He got them, thanks to Walter Gage.

It was during one of my undergraduate years at UBC ... In any case by December I was bankrupt and had neither money for Christmas nor money for the second-term living expenses. I was so badly off that the only pair of shoes I owned had worn through and I was walking on cardboard, which is hell, considering how wet UBC can be by December. Eventually I applied for a student loan and in my application I noted the distressing state of my shoes. Somewhere along the way I was invited to meet Dean Gage to discuss my loan application. I entered his office in the Buchanan Building, sat down, and he looked at me across the desk and said, "Can I see those shoes?" I turned them up and he said "You've got a bursary and a loan." I've never forgotten that moment and I'm deeply grateful for his compassion.

And Eric Nichol, well-known writer and *Vancouver Province* columnist recalls a tense moment in the 1930s.

Date: September, 1937. Place: the Board Room, old Admin. Building. Occasion: a verbal means test, to determine if I qualified for the bursary that I need to fund my first year at UBC.

The inquisition was brutal. I had to prove that I was a poor student as well as a good one. I left the chamber feeling like one of the lesser wretches of *Oliver Twist.*

Then I went in — the door was open — to see this man who beamed at me over his pipe. He spoke to me as though I was, by some miraculous transformation, a human being. He welcomed me to his home of learning. And right there in his office I found what so many others, thousands, found in the presence of Walter Gage. I found my self-respect.

In general, Walter Gage had scant regard for possessions of a material nature and on rare occasions he could be absent-minded as the anecdotes below illustrate.

First, this one from engineering graduate W.K. Gwyer.

Walter had a car, a rarity at University in the '30s, and he used it perhaps less than 30 per cent of the time since the balance of the time it was in use by students who rarely remembered to put gas in the tank. One could hardly list the many things, both large and small, he did to assist students in the hungry 30s.

Here are two more anecdotes from Byron Hender, a former president of the AMS who took over the administration of UBC's financial aid program from Walter Gage. His reference to Walter Gage enjoying "an occasional cigarette" is deliberate understatement. Until the late 1960s, when he gave up cigarettes, Dr. Gage was always surrounded by a cloud of smoke. Eric Nicol once observed that the ash from Dr. Gage's cigarettes tumbled so freely down his front that the buttons of his jacket were "solidly buried in a greenish lava."

There was a day when President Gage enjoyed an occasional cigarette. One Sunday morning he arrived on campus, parked his old blue Pontiac at the flagpole at the north end of the Main Mall and strode off to the Awards Office in the Buchanan Building without realizing that a live end from a cigarette he had been smoking had found its way into the upholstery of the front seat of his car.

It was not long before the president's car was belching smoke. A campus patrolman discovered the blaze and called the fire department, which put out the fire.

The patrolman finally located Walter in the Awards Office and reported what had happened. The president, who was marking papers at the time, looked up only long enough to thank the patrolman and calmly went on with his work.

President Gage is such a dedicated teacher that he occasionally puts everything out of his mind in the interests of his students. On more than one occasion he has emerged from a 12:30 p.m. lecture in the Buchanan Building and then walked over to the Faculty Club and purchased a cafeteria-style lunch in the downstairs area of the club.

On one occasion when I was lunching with him — and I know the same thing has happened on other occasions — the manager of the club, Dick Hansen, appeared and delicately reminded the president that he was hosting an official University luncheon upstairs in the Social Suite of the club.

Whereupon the president would march upstairs and eat a second luncheon.

On the whole, Walter Gage enjoyed ceremonial occasions, particularly ones that involved students. He was a beaming presence at UBC's annual Congregation ceremony, where as president he stood beside the chair of the imcumbent chancellor and shook the hand of every student receiving a degree.

Walter Gage had received every award that a grateful Alma Mater could bestow on him: the 1953 Great Trekker Award from the Alma Mater Society was a fitting tribute to a man who had taken part in that legendary event, and his 1958 honorary degree citation described him as "the most and best beloved of our University family...." (See box on Page 5.)

He was perhaps proudest of the fact that in 1968 he was named the first recipient of UBC's Master Teacher Award, established to recognize outstanding teachers of undergraduates. Characteristically, he returned the $5,000 cash prize that went with the honor to the University for the purchase of books for various UBC libraries.

For his services to the nation, Dr. Gage was named a Companion of the Order of Canada in 1971.

As pointed out earlier, most of the anecdotes and reminiscences about Walter Gage that appear above were originally printed in the March 28, 1975, edition of *UBC Reports* to mark his retirement as president of UBC. Even after that edition appeared the editors continued to receive letters and other material from graduates about Walter Gage.

We end this tribute to him by printing a late arrival from Mrs. C.A. Willis, a 1941 graduate of UBC, because it seems to sum up the extraordinary personal loyalty and affection that Walter Gage could engender in students and graduates for both himself and the University of British Columbia.

I had not intended to write in my reminiscence of President Walter Gage. After all, I was a lowly Arts student to whom Maths was a necessary evil of freshman year. However, after reading the current *UBC Reports* **last night, I decided that I, too, wanted to stand and be counted in the unique tribute to this legend in his own time.**

In the cozy UBC of the immediate pre-war period, nearly everyone knew everyone else. (Even lowly Arts students knew Engineers!) Certainly, everybody knew the young professor with the bouncy, springy walk — and that million dollar grin. As Pierre Berton said, "he was one of us."

Years later, during a visit home, before returning to Vancouver to live after many years spent in eastern Canada, I drove out to the campus for a nostalgic look around. But — nostalgia became frustration! Such a vast change — nothing was familiar — one couldn't even drive down the Mall! And then — coming towards me — that man with the remembered bouncy, springy walk — and that million dollar smile! It was still ***my*** **campus —** ***my*** **University — after nearly 30 years!**

What a privilege to belong to the Age of Gage!

UBC scientist chairs new body

The establishment of a Science Council of B.C. by the provincial government indicates that it is receptive to funding basic and applied research that will prove to be important to the development of B.C.

That's how the council's chairman, UBC physicist and vice-president for student services Prof. Erich Vogt, describes the significance of the new body which has met monthly since its formation was announced in June.

Prof. Vogt is one of three UBC scientists who sit on the council. The others are Dean Bernard Riedel, head of Pharmaceutical Sciences, and Prof. James Kutney, a member of UBC's chemistry department who heads a research team that synthesizes drugs used to treat cancer.

"The provincial government has asked the council to do two things," Prof. Vogt said. "First, it wants philosophical advice on the rapid development of projects that would be beneficial to the province."

He said there is a possibility that a national fusion laboratory, funded by the provincial and federal governments, may be located in Western Canada. Nuclear fusion produces energy by combining the atoms of light elements to form an atom of a heavier element. It is a cheaper, cleaner and safer source of energy than nuclear fission, the process used in conventional nuclear reactors, which produce heat by splitting atoms of uranium in a controlled nuclear reaction.

Another possibility is the establishment of a centre to develop products from wood wastes produced by the forest industry, Prof. Vogt said. "It turns out that western red cedar could be a rich source of industrial chemicals and even poultry feeds," he added.

Prof. Vogt said the council was also encouraged by the announcement in June by the federal government that it would provide increased support for research and development in Canada. The federal government says it also wants to establish regional, university-based industrial research and innovation centres.

"The purpose of these centres," Prof. Vogt said, "would be to train young scientists and engineers in the techniques of developing industrial products from basic research ideas."

UBC, Prof. Vogt said, has made a proposal to establish a coal-processing laboratory to develop ways of utilizing the enormous coal resources of B.C. The council, Prof. Vogt said, is acting as a catalyst in getting projects such as this off the ground.

"The provincial government has shown it's receptive to providing funds for projects of importance to this province and I'm optimistic that a number of projects will move forward rapidly," Prof. Vogt said.

The provincial government initially appointed nine persons to the council, representing the three public universities and industry. The council is recommending that an additional six persons be appointed to the body.

Serving as secretary to the council is Dr. William Armstrong, former deputy president of UBC who retired earlier this year as chairman of the Universities Council of B.C.

RESEARCH

Continued from Page 1

such as the Canada Council and the National Research Council, would not seriously affect their operations.

The new Social Sciences and Humanities Research Council will experience a "huge cut" of $2.1 million, Dr. Spratley said.

One UBC group that is likely to be hard hit by the announced spending cuts is the Westwater research centre. The federal Department of the Environment will reduce support for water resources research by $800,000, which is equal to two-thirds of current support for research in this area.

"It is hoped," Dr. Spratley says in his report to the Board, "that the coming years will see increased interaction between UBC researchers and Canadian industry and that this ... will result in increased funding of university research in areas of importance to the economy."

Nevertheless, he concludes, "the situation is still serious, and it is vitally important to continue to press for levels of research support at least equal to those found in other highly developed countries."

His report shows that in 1977-78 national granting councils provided 53.3 per cent of the total funds for UBC research. Other major contributors were the federal government (12.5 per cent), Canadian companies and foundations (21.1 per cent) and the provincial government (5.3 per cent).

George Rogers

Sid Tough

Three retiring staffers honored at receptions

Three long-time members of the University's employed staff retired during the summer.

Honored at a reception in the Graduate Student Centre in late August were **George Rogers**, assistant superintendent of trades in the Department of Physical Plant, who retires after 32 years as a UBC employee, and **Sid Tough**, a senior project inspector in physical plant and a UBC employee since 1963.

Archie B. Cumming was honored by his friends and colleagues in physical plant at a late-July reception in the lounge of Thunderbird Winter Sports Centre. A senior member of the labor staff, he was employed by the University for 24½ years.

Mr. Rogers joined the UBC staff in 1946 as a carpenter. He subsequently held the posts of head carpenter, general foreman and senior supervisor of buildings. He was appointed assistant superintendent of trades in 1970.

He is a past president of the University Employees Union, a member of the employed staff pension board, and served as co-chairman of the staff fund-raising committee for the new Aquatic Centre.

Mr. Tough joined the UBC staff in 1963 after having served as construction superintendent on the Graduate Student Centre and the Chemical Engineering Building. He was appointed a senior project inspector in 1964 and was connected with the construction of all major UBC buildings erected between 1964 and the present day.

UBC's 25-Year Club for members of the non-academic staff who have served UBC for a quarter-century or more now boasts 77 members. Inducted into the club in the past year were the following 14 persons:

Michael Billon, A.J. Boschalk, Anthony G. Galloway, Thomas R. Grant, Ernst Meyer, Russell T. Henderson, Thomas A. Holness, Evelyn G. Jack, and **Henry S. Nelson,** all of Physical Plant; **Susan M. Calthorp,** secretary to the co-ordinator, Health Sciences Centre; **John J. Ciok,** animal science; **Roger Dufrane,** chemistry; **William Morrison,** physics; and **Karl Wrase,** botany.

Funeral services were held Thursday (Sept. 21) for Lemuel J. "Lem" Bayly, a 31-year employee of the University who died suddenly on Sept. 18 at Vancouver General Hospital one week after he had undergone open-heart surgery. He was 58.

Mr. Bayly joined UBC's Department of Physical Plant in 1947, the year after he received his Bachelor of Applied Science degree in civil engineering from UBC.

From 1947 until 1970 he was assistant superintendent of buildings and grounds, assistant director of engineering and operations and assistant director and consultant for operations and maintenance.

In 1970, he joined the staff of the Housing Department as special assistant to the director of residences responsible for the co-ordination of maintenance in campus residences with the Department of Physical Plant.

Mr. Bayly rejoined the Department of Physical Plant in 1974 as a planning analyst, a post he held until his death.

He was predeceased by his wife, Nancy, in November, 1977. He is survived by a son, Stephen, two brothers and a sister, three half-sisters and a half-brother.

New work-study scheme benefits UBCand students

Students needing financial help and campus libraries are joint beneficiaries of a pilot work-study project sponsored by the ministry of education and introduced to UBC this fall.

The ministry has given UBC $81,000 to employ more than 100 needy students during the 1978 - 1979 term. All the jobs are in campus libraries, and to date, about 60 students have taken advantage of the project, working five or six hours a week for regular student rates.

For the libraries, and the people who use them, the program is a boon. "It is providing us with some very vital services, and I think it will make a big improvement in the services we provide," said Erik de Briujn, administrative services librarian. "We are able to keep the libraries open for longer hours, and we are getting at a lot of work that needed to be done. We were falling behind on a lot of projects that our regular and student staff didn't have time for, and we couldn't have paid more staff out of our own budget. We're really pleased to have had this amount of assistance."

The additional student help is keeping Sedgewick and the Wilson Recording Library open on Sundays, the Crane Library and the audio-visual section of the Curriculum Lab open in the evenings, and the Main Library open later in the evenings.

Some of the other jobs students do include shelving books, mounting photographs in the Fine Arts Library, filing cards and reports and assisting with bibliographical research.

Administration aids AMS bus pass program

UBC's administration has contributed $2,000 to the Alma Mater Society to get the new bus pass program off the ground.

"It is our understanding that our contribution will be used for the cost of making the passes and of increasing their utilization among students," UBC President Douglas Kenny said in a letter to Bruce Armstrong of the AMS.

In the agreement between B.C. Hydro and the AMS on the passes, which come into force Oct. 15, the AMS was given the responsibility for administering, producing and promoting the passes.

UBCalendar

UBC CALENDAR DEADLINES

Events of the week of

Oct. 22-28	Deadline is 5:00 p.m. Oct. 12
Oct. 29-Nov. 4	Deadline is 5:00 p.m. Oct. 19
Nov. 5-11	Deadline is 5:00 p.m. Oct. 26

Send notices to Information Services, Main Mall North Administration Building, Campus. Further information is available at 228-3131.

THE VANCOUVER INSTITUTE

SATURDAY, OCT. 14

Owen Barfield, British writer and literary critic, speaks on **The History of Ideas: Evolution of Consciousness.**

SATURDAY, OCT. 21

Dean J.F. Gardner, Faculty of Forestry, chairs a panel discussion on **Our Forests: A Renewable Resource?** Panellists: Prof. James Kimmins, Forestry, UBC, and Grant Ainscough, chief forester, McMillan Bloedel.

SUNDAY, OCT. 15

3:00 p.m. **MUSEUM OF ANTHROPOLOGY.** Peter McNair, Provincial Museum, on **Northwest Coast Indian Silver Bracelets.** Illustrated. Museum of Anthropology, 6393 Northwest Marine Drive.

7:30 p.m. **SUBFILMS. Fantastic Planet,** science fiction. Admission $1. Student Union Building Theatre.

MONDAY, OCT. 16

9:30 a.m. **URBAN LAND ECONOMICS RESEARCH SEMINAR.** Prof. Jon Mark, Urban Land Economics Division, UBC, on **Logistic Approach to the Decision to Move.** Penthouse, Angus Building.

10:30 a.m. **COMPUTING CENTRE LECTURE.** The first in a series of six lectures on **Introduction of MIDAS, an Interactive Statistical Package** by Teresa Tenisci. Room 447, Computer Sciences Building.

3:30 p.m. **HEALTH CARE AND EPIDEMIOLOGY RESEARCH SEMINAR.** Dr. C.J.G. Mackenzie, head, Health Care and Epidemiology, UBC, on **Studies for Arsenic Damage in Yellowknife and Hay River.** Room 146, James Mather Building.

3:45 p.m. **MECHANICAL ENGINEERING SEMINAR.** S.N. Dwivedi, mechanical engineering graduate student, UBC, on **Plane-Strain Visioplasticity for Dynamic and Quasi-Static Deformation Processes.** Room 1215, Civil and Mechanical Engineering Building.

MANAGEMENT SCIENCE SEMINAR. Prof. M. Puterman and M. Shin, Commerce, UBC, on **Improved Action Elimination Procedures for Discounted Markov Decision Problems.** Room 328, Angus Building.

4:00 p.m. **ASTRONOMY SEMINAR.** Dr. T.K. Menon, NASA Goddard Space Flight Centre, Greenbelt, Md., on **Evolution of Quasars.** Room 318, Hennings Building.

4:30 p.m. **ZOOLOGY/PHYSIOLOGY SEMINAR.** Dr. Martin Wells, Department of Zoology, University of Cambridge, on **Octupus: The Perceptual World of an Intelligent Mollusc.** Room 2449, Biological Sciences Building.

7:30 p.m. **INTERNATIONAL HOUSE.** Information night for **Canadian University Service Overseas** with Cathy Howe, CUSO health recruitment officer, Ottawa. Film entitled **Seeds of Health** will be shown. International House.

8:00 p.m. **ARCHAEOLOGY INSTITUTE LECTURE.** Dr. T. Tzavella-Evjen, University of Colorado, on **Prehistoric Aegean Daemonology.** Museum of Anthropology, 6393 Northwest Marine Drive.

Monday, Oct. 16 (Continued)

8:00 p.m. **IMMUNOLOGY SEMINAR.** Dr. D. Kilburn, Microbiology, UBC, on **Specific Enhancement of Tumor Immunity.** Music Room, Faculty Club.

TUESDAY, OCT. 17

12 noon **PHARMACOLOGY SEMINAR.** Dr. Catherine C. Pang, Pharmacology, UBC, on **Role of the Vasopression and the Renin: Angiotensin Systems in the Control of Arterial Pressure and Intestinal Resistance in Hypovolemic and Normovolemic Animals.** Room 114, Block C, Medical Sciences Building.

12:30 p.m. **GREEN VISITING PROFESSORS.** Owen Barfield, British writer and literary critic, on **The Force of Habit.** Room 106, Buchanan Building.

CENTRE FOR HUMAN SETTLEMENTS. First in a series of four Habitat lectures with the general title **A Tale of Four Cities: Strategic Urbanization in Europe's Leading Industrialized Countries,** by Dr. Harry Anthony, School of Environmental Design, California State Polytechnic University, Pomona, and currently 1978 scholar-in-residence at the UBC Centre for Human Settlements. Today's lecture is **Paris: The Grand Design.** Room 102, Lasserre Building.

GERMANIC STUDIES LECTURE. Prof. Wolfgang Paulsen, University of Massachusetts, Amherst, Mass., on **Form and Content in German Expressionism.** Room 205, Buchanan Building.

LECTURE by Lindsay Rawlings, founder of Genesis, a "new age" community. Title: **Life Works!** Room 204, Buchanan Building.

1:30 p.m. **ELECTRICAL ENGINEERING SEMINAR.** Dr. E. Jull, Electrical Engineering, UBC, on **Blazed Reflection Gratings and Their Application to Radio Engineering.** Room 402, Electrical Engineering Building.

3:30 p.m. **ENGLISH COLLOQUIUM.** G.P.V. Akrigg on **Democracy, Monarchy, Tyranny — Some Shakespearean Political Themes.** Buchanan Penthouse.

OCEANOGRAPHY SEMINAR. Jim Helbig, Oceanography, UBC, on **Barotropic Instability and Continental Shelf Waves and Low Frequency Currents in the Strait of Georgia.** Room 1465, Biological Sciences.

4:30 p.m. **CHEMISTRY RESEARCH CONFERENCE.** J.D. Cotton, University of Queensland, Australia, on **Some Synthetic and Mechanistic Studies of Organometallic Insertion Reactions.** Room 250, Chemistry Building.

6:00 p.m. **GENETICS SEMINAR.** C. Hay and C. Johnson on **Nucleohistone Assembly.** Room 5460, Biological Sciences Building.

8:30 p.m. **UBC PUBLIC AFFAIRS,** presented by the Centre for Continuing Education. Dr. Michael Wallace, Political Science, UBC, on **Taking Disarmament With a Grain of 'SALT'.** Host, Gerald Savory. Channel 10, Vancouver Cablevision. (Program repeated Fri., Oct. 20, at 1 p.m.)

WEDNESDAY, OCT. 18

12 noon **CENTRE FOR CONTINUING EDUCATION.** Madeline Bronsdon Rowan, UBC Museum of Anthropology, on **Why Bother Studying Other Cultures?** Robson Square Theatre, corner Robson and Hornby Sts. in downtown Vancouver.

12:30 p.m. **NOON-HOUR CONCERT.** Frances Adaskin, piano; John Loban and Murray Adaskin, violins, perform **Music of Chausson, Adaskin, Joplin and Balcom.** Recital Hall, Music Building.

12:35 p.m. **WOMEN STUDENTS' OFFICE FREESEE** film series with general title **Romantic Versus Classic Art.** Today's film is **Eugene Delacroix and Francisco Goya.** Admission free. Student Union Building Theatre.

Wednesday, Oct. 18 (Continued)

1:00 p.m. **DEVELOPMENTAL MEDICINE SEMINAR.** Dr. D. Vance, Biochemistry, UBC, on **Control of Phosphatidyl Choline Biosynthesis.** Seminar Room, Centre for Developmental Medicine, 811 W. 10th Ave.

2:00 p.m. **SOCCER.** UBC Thunderbirds vs. Victoria. Thunderbird Stadium.

3:30 p.m. **CHEMISTRY SEMINAR.** Prof. Z. Valenta, University of New Brunswick, **On The Way to the Synthesis of Quassin. A Stereo-Controlled Approach Is Not Always the Simplest.** Room 225, Chemistry Building.

CHEMICAL ENGINEERING SEMINAR with Pavel Riha, Czechoslovak Academy of Sciences. Room 206, Chemical Engineering Building.

4:00 p.m. **GEOPHYSICS SEMINAR.** Dr. R.D. Hyndman, Department of Energy, Mines and Resources, Victoria, B.C., on **Geophysics of the Western Canada Continental Margin.** Room 260, Geophysics and Astronomy Bldg.

4:30 p.m. **ANIMAL RESOURCE ECOLOGY SEMINAR.** Dr. A.P. Gutierrez, Division of Biological Control, University of California, Albany, on **Problems, Progress and a Look at the Future of Multi-Disciplinary Research in Agriculture and Applied Ecology.** Room 2449, Biological Sciences Building.

7:30 p.m. **CENTRE FOR CONTINUING EDUCATION.** Third in a series of four lecture-discussions with the general title **New Ideas in Counselling Women.** Joanne Robertson on **Counselling Depressed Women from a Feminist Perspective.** $25. Media Centre, Robson Square, Robson and Hornby Sts. in downtown Vancouver.

THURSDAY, OCT. 19

9:00 a.m. **MEDICAL GRAND ROUNDS.** Dr. Pat McGeer, Psychiatry, UBC, and minister of education, on **Movement Disorders: Contrasts in Parkinson's Disease vs. Huntingdon's Chorea.** Lecture Hall B, Faculty of Medicine Building, 700 W. 10th Ave.

10:00 a.m. **SCIENCE AND TECHNOLOGY STUDIES COMMITTEE COLLOQUIUM ON Technology, the Economy and Society** opens with a keynote address by Prof. Nathan Rosenberg, Stanford University, on **Technology and Economic Development: Some Historical Perspectives.** Session I of the colloquium begins at 1:00 p.m. with five papers under the general heading **Invention and Technical Change.** Continues on Friday, Oct. 20. Room 400, International House.

12:10 p.m. **CENTRE FOR CONTINUING EDUCATION.** Second in a series of five talks with the general title **Men Talk About Feminism.** Dr. Martin Meissner, Sociology and Anthropology, UBC, on **The Politics of Personal Services at Home and at Work.** Women's Resources Centre, 1144 Robson St. Information 228-2181, local 218.

12:30 p.m. **AMNESTY UBC.** Judith Brocklehurst, Amnesty International, Bracebridge, Ont., on **Prisoners of Conscience and Torture in 1978.** Room 106, Buchanan Building.

PHARMACEUTICAL SCIENCES SEMINAR. Prof. M.J. Coon, chairman, Biological Chemistry department, University of Michigan, Ann Arbor, and G.D. Searle Visiting Professor, on **Cytochrome P-450, a Versatile Catalyst in the Activation and Detoxication of Foreign Substances.** Lecture Hall 3, Woodward IRC.

3:30 p.m. **APPLIED MATHEMATICS SEMINAR.** Prof. Eric Reissner, Applied Mechanics and Engineering Sciences, University of California, San Diego, on **New Thoughts on an Old Problem in Beam Theory.** Room 203, Mathematics Building.

4:00 p.m. **PHYSICS COLLOQUIUM.** R. Wright, B.C. Research, on **Physics and Psychophysics of Smell.** Room 201, Hennings Building.

7:00 p.m. **SUBFILMS. Smokey and the Bandit,** starring Burt Reynolds. Subfilms are shown at 7:00 p.m. Thursdays and Sundays and at 7:00 and 9:30 p.m. Friday and Saturday. Admission $1 with AMS/Library card. Student Union Building Theatre.

8:00 p.m. **VANCOUVER EARLY MUSIC PROGRAM.** Kenneth Gilbert plays **Music of J.S. Bach.** Admission $3.50, students $2.00. Recital Hall, Music Building.

FRIDAY, OCT. 20

9:30 a.m. **SCIENCE AND TECHNOLOGY STUDIES COMMITTEE COLLOQUIUM** on **Technology, the Economy and Society** continues. Session II includes four papers under the general heading **Technology in Canada.** Session III of the colloquium begins at 2:30 p.m. with two papers under the general heading **Large Technological Projects and the Public.** Room 400, International House.

12:30 p.m. **SCIENCE AND TECHNOLOGY STUDIES COMMITTEE LECTURE.** Prof. Nathan Rosenberg, Department of Economics, Stanford University, on **Karl Marx on Technology.** Room 104, Buchanan Building.

PHYSICAL EDUCATION COLLOQUIUM. Dr. Donald Hellison, Portland State University, on **Humanism in Physical Education.** Board Room, International House.

3:30 p.m. **SOIL SCIENCE SEMINAR.** G.G. Runka, chairman, Agricultural Land Commission, on **The Agricultural Land Commission Today.** Room 154, MacMillan Building.

COMPUTER SCIENCE COLLOQUIUM. Harry G. Barrow, SRI International, Stanford, Calif., on **Recovering Intrinsic Scene Characteristics from Images.** Room 301, Computer Sciences Building.

MATHEMATICS COLLOQUIUM. Prof. Ralph Greenberg, Mathematics department, University of Washington, on **p-adic L-functions and p-adic Γ-functions.** Room 1100, Mathematics Annex.

4:00 p.m. **ZOOLOGY SEMINAR.** Dr. G.C. Butler, director, Division of Biological Sciences, National Research Council, Ottawa, on **Environmental Toxicology — viewed fom NRC and NSERC.** Room 2449, Biological Sciences.

4:30 p.m. **VOLLEYBALL.** Invitational high school tournament begins. Continues all day Saturday, Oct. 21. War Memorial Gymnasium and Osborne Centre on Thunderbird Boulevard.

SATURDAY, OCT. 21

10:00 a.m. **CENTRE FOR CONTINUING EDUCATION.** Two events with Paul Reps, author of *Zen Flesh, Zen Bones,* from 10:00 a.m. to 12 noon today and Sunday, Oct. 22. $5 for two sessions, $3 for single session. Sheraton-Plaza 500, 500 W. 12th Ave. Phone 228-2181, local 261, for information.

REMEMBRANCE DAY

Members of the University community are asked to note that UBC will be closed on Monday, Nov. 13, in observance of Remembrance Day, which this year falls on the Saturday preceding the closure. The University's traditional Remembrance Day ceremony will, however, take place on Saturday, Nov. 11, in the War Memorial Gymnasium at 10:45 a.m.

CRANE LIBRARY

The Crane Library for the blind in Brock Hall is seeking volunteer readers to record text and research materials for students. Readers with backgrounds in the applied and social sciences are urgently required, in addition to people willing to read in general subject areas. For an audition appointment, call 228-6111.

EXHIBITS

An exhibition entitled **Pharmacy — Development of the Sciences and the German Contribution** will be on display in the Lower Mall area of the Woodward Instructional Resources Centre Oct. 20-27. The display is provided by the Federal Republic of Germany and is sponsored by the Faculty of Pharmaceutical Sciences.

Sophie Pemberton 1869-1959 is the title of an exhibition in the UBC Fine Arts Gallery in the basement of the north wing of the Main Library until Nov. 4. A contemporary of Emily Carr's, Sophie Pemberton was B.C.'s first internationally acclaimed woman artist. She trained at schools in England and France and was the first woman to be awarded the prestigious Prix Julian in 1889. The gallery is open from 10:30 a.m. to 5:00 p.m. Tuesday through Saturday.

Photographs and Memorabilia of the late Dr. Walter Gage, whose death on Oct. 3 ended a 57-year association with UBC, are on exhibit in display cases in the Special Collections Division of the Main Library, which is located on the top floor of the south wing. The display will continue until Oct. 31.

UBC LANGUAGE INSTITUTE

The UBC Language Institute is sponsoring part-time courses on campus beginning Oct. 28. Courses under the general heading **English as a Second Language** include Intensive English, Spoken English, Diction, and Written English. **Modern Languages** offered at the beginners level are Arabic, Cantonese, Japanese, Portuguese, Punjabi and Russian. All levels of Spanish offered. Courses in **French** are offered at all levels during the day and at night. For registration information, call Centre for Continuing Education, 228-2181, local 285.

INTERNATIONAL HOUSE

FRIDAY, OCT. 20

Chile Night cultural presentation begins at 8:00 p.m. Includes food (empanadas) and drink (borgana) and dancing to a Latin band. $1.50 for IH members, $3 for non-members. For more information, call 228-5021.

SATURDAY, OCT. 28

Eurythmeum Stuttgart, a troupe of 75 dancers, will perform at IH from 11:00 a.m. to 1:00 p.m. 100 tickets for students are available at IH at $1 each.