THE UNIVERSITY OF BRITISH COLUMBIA

UBC REPORTS

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Abe Hefter photo

Cookie Cutter

Baker Tom Zorbak puts the finishing touches on some of the 1,500 gingerbread cookies on sale at UBC's Christmas bakeshop at the Pacific Spirit deli counter in the Student Union Building. This year Zorbak will supervise the production of 35,000 sweet treats, including 5,000 mincemeat tarts and 6,000 shortbread cookies.

Prizes recognize research efforts

by Gavin Wilson

Staff writer

A leading expert on Canadian literature and a computer scientist renowned in the field of artificial intelligence are the winners of UBC's top research prizes for 1994.

English Prof. William New is the recipient of the Jacob Biely Research Prize and Computer Science Assoc. Prof. David Poole has won the Charles A. McDowell Award for Research Excellence.

William New

New is one of the most eminent Canadianists at UBC, the editor of Canadian Literature, the premier journal of its field, and the next holder of the David and Brenda McLean Chair in Canadian Studies.

Considered by many to be the leading scholar in the field of Canadian literature and a founder of Commonwealth Studies, New has written or edited 35 books and more than 200 articles and reviews.

The $1,500 Biely prize is awarded annually for outstanding research in any field of study.

Poole has won wide respect among computer scientists, mathematicians and philosophers for his research into artificial intelligence, which would give computers a human-like ability to reason.

His research combines formal methods, including both logical and probabilistic reasoning, with common sense or non-monotonic reasoning, an important long-term goal of artificial intelligence.

David Poole

The McDowell award is given each year to a faculty member who has demonstrated excellence in the pure or applied sciences.

The university has also announced the names of 10 recipients of the UBC Killam Research Prizes and another 13 faculty members who have won Killam fellowships.

The $10,000 UBC Killam Research Prizes are awarded annually to top researchers on campus. Established by UBC President David Strangway in 1986, the prizes are equally divided between the arts and sciences. Faculty members can win the prize only once.

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UBC, GVRD agree on planning process

by Gavin Wilson

Staff writer

UBC and the Greater Vancouver Regional District (GVRD) have signed a landmark agreement on a process for planning and development at UBC.

Under the agreement, reached after extensive discussion with regional district staff, the GVRD will develop an Official Community Plan for the campus that paints in broad strokes a conceptual overview of future development.

The plan will not be approved until the GVRD conducts a full public consultation process.

"This is a major step in the public process," said UBC President David Strangway. "We have successfully negotiated an agreement that creates for UBC a process that allows for the unique circumstances of the university's mandate."

Shirley Chan, chair of the UBC Board of Governors' property committee, said: "After all the issues on campus we've had in recent years, I am very pleased that an agreement has been reached with the GVRD. The agreement sets out the respective areas of responsibility for both the GVRD and UBC and will shape the future of planning at the university."

The agreement is part of a public process that was put in motion with a UBC-commissioned report prepared by private consultant Ray Spaxman. The final draft of Spaxman's report was submitted to the university last month.

One of Spaxman's key recommendations was that the university adopt a set

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Rick Hansen and UBC to establish new centre

by Connie Filletti

Staff writer

A unique initiative between Rick Hansen and UBC will establish a new centre at the university emphasizing personal motivation, wellness and development of life skills.

The Life Skills Motivation Centre will be an integral part of UBC's Institute of Health Promotion Research (IHPR) which provides an innovative focus for interdisciplinary research, education, collaboration and service in the field of health promotion. Hansen will serve as director of the centre.

"The University of British Columbia is extremely pleased and excited to have agreed on a long-term association with such an outstanding individual as Rick Hansen," said UBC President David Strangway. "His hard work and dedication have made this important project a reality and will help enhance UBC's leadership role in the area of health promotion."

The centre's programs will include workshops, seminars, a public school program, speaking tours and the use of other motivational tools designed to help people in the community take control of and improve the quality of their lives.

"The establishment of the centre represents the culmination of all my activities since the Man in Motion tour, but it is only the beginning of an important program that will help people of all ages, backgrounds and abilities," said Hansen.

"I am currently in the process of finalizing negotiations with corporate sponsors on implementation of the B.C. Life Skills program which will be offered next fall to B.C. schools from kindergarten to Grade 12."

This is one of the centre's key initial programs being developed in partnership with the Ministry of Education, Hansen said.

The Man in Motion Foundation, formed following Hansen's world tour, will create an endowment that will provide $300,000 a year to help establish the centre and cover operating expenses.

Planning for a new complex to house the centre and the IHPR will be initiated early in the new year. The capital requirements will be incorporated into UBC's fund-raising plans.

The centre is expected to begin its activities by the spring of 1995.

"The work of the Life Skills Motivation Centre, with Rick Hansen's leadership,

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Letters

Letter smacks of elitism

Editor:

I was absolutely appalled by the short letter to the editor by James O. Caswell, Professor and Head of the Department of Fine Arts in the Nov. 17 issue of *UBC Reports*. I hope that the sentiments conveyed in Mr. Caswell's letter do not reflect his attitude in the classroom, or the university world is in bigger trouble than I thought. What an elitist proposition he raises, in response to the earlier headline "Researcher named to new physics chair," by asking "Are we to assume that a ditch digger might have been appointed or, perhaps, that holders of unendowed chairs are not researchers?"

After listening to Cross-country Check-up on CBC Radio recently, it was very enlightening to hear the moderator and listeners discuss the elitism and hierarchy found in so many universities across Canada and, I am sure, in other "developed" countries. The condescending attitude displayed in Mr. Caswell's letter smacks of the elitism discussed on the CBC radio show. I am sure that Mr. Caswell and many other professors like him have studied long and hard to become tenured professors on one of the most beautiful campuses in Canada. But please spare us the "holier than thou" attitude - and display some of the compassion and humanism about which I am sure he is familiar. There might even be a more compelling reason to write a letter than to take the editor to task for such a small and unimportant reason.

Judy McCallum, UBC '85
Victoria, BC

Policy threatens campus climate

Editor:

UBC's patient attempts at consensus-building around a new policy on discrimination and harassment is an inspiring example of university democracy. The policy has the potential to root out acknowledged evils, but some less widely acknowledged good as well.

The current draft policy allows opprobrium-filled labels like "harassment" and "sexual harassment" to cover very diverse actions, ranging from the seriously wrong and objectively verifiable to the relatively trivial and highly subjective. For example, it allows a complaint of harassment to be brought forward as the result of someone's perception of condescension that undermines self-respect, or someone's taking offense at other people's "inappropriate" love relationship, or someone's tendency to regard the academic world as hostile and intimidating.

Such well-intentioned promotion of a non-offensive learning environment could promote a hostile teaching climate. If it becomes taboo for professors to give offense, some students may be quick to take offense. Our most provocative professors could get caught in a reputation-endangering bureaucratic process whose confidentiality is hard to enforce. This risk could place a cloud of uncertainty over class discussions of controversial issues. It could cast a chill over pedagogic relations between professors and students rather than bringing them closer together in an adventure of the mind and spirit. In the long term, it could bring the notion of harassment into contempt by trivializing it.

The "reasonable person" standard for assessing someone's complaint is too vague to be reassuring. Reasonable people are known to disagree about the interpretation of situations in which harassment is alleged. Offense-giving comments should be judged by whether they reflect values which can legitimately be held in good faith. Reprisals for a professor's comments should be contemplated only if they are unanimously judged, by a jury broadly representative of our society's ideological diversity, to reflect values which no informed person of goodwill can reasonably endorse.

Only this way are we likely to deal with some serious evils while at the same time giving UBC faculty pedagogic space in which to breathe and move with enthusiasm and creativity.

Kurt Preinsperg
B.Sc. '83, M.A. '86, Ph.D '92
Student Representative to the UBC Board of Governors 1989-90

All kinds of discrimination are equal . . .

Editor:

Regarding the latest UBC Draft Policy on Discrimination and Harassment (*UBC Reports*, Dec. 1, 1994):

First, discrimination and harassment are not parallel or equivalent terms, and the administration's policy researchers should either distinguish them clearly or else admit that they are using them in a very peculiar way; maybe they could call their document a "policy on discriminationand-harassment." The (con)fusion is evident right from paragraph (1) of the introduction: "The University . . . does not condone discrimination and harassment." Anyone with distinct conceptions of the terms would have written, "does not condone discrimination or harassment."

I do not believe there is ever justification for harassment, so on this topic I have nothing further to say.

Discrimination, however, is sometimes acceptable, sometimes unacceptable. In fact, some kinds of discrimination—of merit, effort, productivity, quality, value—are absolutely essential in a university, and without them many things from our grading system to our slogan ("Second to None") would be meaningless.

True, paragraph (4) gives a specific definition of "discrimination." But if that definition applies to the entire document, why does it not appear in paragraph (1), which currently states that the university does not condone "discrimination . . . of any kind"? This is simply inconsistent with paragraph (4), which suggests that the document is referring to discrimination only of a certain kind—that for which there is "no bona fide and reasonable justification."

Yet even this narrower definition is unacceptable given its context, which indicates that "such discrimination" is unacceptable because it "imposes burdens, obligations, or disadvantages on specific individuals or groups." This is not a sufficient reason. I have had students who thought that I was disadvantaging them by requiring that they learn things which some other students in the class already knew. The draft policy would legitimize such complaints, for it is true that students' ignorance or knowledge of a particular body of information in history, politics, language, or literature is sometimes genuinely attributable to their specific cultural or ethnic background. For example, requiring that all students in a class be able to write idiomatic English "differentially impact[s] on a specific group"—namely, non-native speakers (see "Examples of Discrimination" in the draft's appendix).

As a teacher, however, I shall continue imposing "burdens and obligations" on my students; and the good students (whom responsible teachers discriminate from the weak ones on the basis of achievement and demonstrated "mental ability") will know that I do so because I want to help educate them. I can only hope, contrary to Dr. Strangway's prefatory letter of Oct. 6, that "the motivation of the alleged perpetrator" will indeed be treated as of the essence when in future I am charged as a discriminator under the administration's brave new policy.

Or is there anyone else who still believes with me that we should forbid certain kinds of discrimination simply because they are wrong? Or that some kinds of burdens, obligations, and disadvantages ought not to be imposed because they are unfair?

Of course wrong and unfair are moral terms. And it is the absence of any recognition of the need for moral terms that is most objectionable about the draft policy—an absence which underlies its circularity and apparent hypocrisy.

My challenge to the administration is this: If you in fact believe that discrimination based on age or sex or race is morally wrong, then oppose it on principle and across the board. Remove from your policy—if you need one at all—excuses for inconsistency based on Supreme Court rulings. And please cut out the undignified back-peddling and unctuous language exempting discriminatory policies which have as their object "the amelioration of conditions of disadvantage." Here, too, commit this university to pursuing a policy that is principled and consistent.

Or if you do not hold that these are moral issues or matters of principle, then say so openly. Be honestly cynical and admit that you intend to impose a discrimination policy merely out of political or administrative expediency.

Dennis Danielson, Professor
Dept. of English

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UBC REPORTS

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Abe Hefter photo

Montreal Remembered

Students share a flame to begin a candlelight vigil in memory of 14 women killed on Dec. 6, 1989 at Montreal's L'Ecole Polytechnique. About 150 people gathered in front of the Ladner Clock Tower for a minute of silence on the fifth anniversary of the murders before proceeding to the Student Union Building to hear speakers talk about violence in society.

UBC looks for new use for Faculty Club building

by Gavin Wilson

Staff writer

UBC is looking for new uses for the former Faculty Club facility which went into receivership earlier this year.

A call for proposals will be made early in the new year and a President's Advisory Committee will be struck to review the submissions, which will be due April 30. Mark Betteridge, president of the UBC Real Estate Corporation, will receive and analyse proposals for consideration by the advisory committee.

The university's role, once a proposal is accepted, will be limited to that of a landlord. It will not have a role in the administration or staffing of the building and any plant costs incurred by the proposed use must be on a full cost-recovery basis to UBC.

As well, the proposed use should be in line with the building's prestige location at the north end of Main Mall and should respect its architectural integrity, which includes an addition designed by Arthur Erickson.

Future uses should also be in the original spirit of Leon Koerner's gift, which made the building possible. Koerner envisioned the site as a "professional home" for the university community "where they may mingle, exchange ideas and increase the sense of teamwork so essential a part of university life."

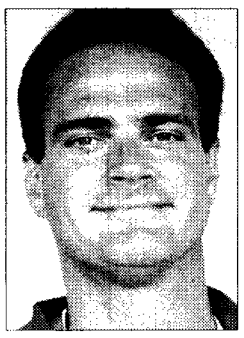
The building is centrally located in a part of campus that is gaining prominence as a public place, with the addition of the Chan Centre for the Performing Arts and the Belkin Art Gallery to the existing Frederic Wood Theatre, Museum of Anthropology, Cecil Green Park and other attractions.

Veteran coach turns T-bird reins over to son

Frank Smith, a fixture on the UBC coaching scene for 21 years, has stepped down as head coach of the Thunderbird football team and will be replaced by his son and assistant coach Casey Smith.

The announcement was made Dec. 9 by Athletic Director Bob Philip.

Smith, 63, posted an overall record of 126-94-4 during his tenure as head coach. During that time his teams won two Vanier Cup Championships, in 1982 and 1986, and appeared in five Canada West University Athletic Association (CWUAA) championships.



Casey Smith

Casey Smith, 35, becomes the 13th head football coach in UBC history. Casey played for the Thunderbirds from 1983 to 1985 and served as an assistant coach from 1987 to 1989. He became a full-time assistant coach in 1990, serving primarily as offensive co-ordinator.

This is his first head coaching assignment.

"I am very proud of my father and feel honoured to follow in his footsteps," said Casey. "I feel very fortunate to have worked with and learned from him for the past eight years. I will never replace him. My goal is to continue the tradition that he built at UBC."

Philip said he believes Casey will make a fine head coach and has every confidence in his ability to provide UBC with an excellent football program, just as his father did.

"Frank has done a tremendous job over the years at UBC," said Philip. "He taught his teams how to win and he established a winning tradition that today's teams are measured against."

Ultrasound proves worth in detecting breast cancers

Women at high risk for breast cancer may benefit from regular ultrasound examinations which can detect cancers missed by mammography, says a UBC researcher.

"Mammography remains the gold standard for breast cancer screening and for the majority of women, no further exam is recommended if it is negative," said Dr. Paula Gordon, a clinical assistant professor of Radiology.

"However, for a small group of women at high risk for breast cancer, adding ultrasound to mammography as a screen may improve diagnosis and greatly increase their peace of mind."

Women with a significant family history of breast cancer, or who have survived a prior personal experience with the disease, are considered at high risk.

"Ultrasound may be particularly helpful for these women, especially if they also have dense breast tissue," Gordon said, explaining that dense breast tissue sometimes weakens the accuracy of mammography.

The National Cancer Institute of Canada estimates 17,000 Canadian women will be diagnosed with breast cancer this year and 32 per cent of them will die from the disease.

Gordon performed breast ultrasound examinations on more than 10,000 women to evaluate lumps that were felt in the breast or which were seen on mammography.

She identified 3,533 solid masses by ultrasound of which 1,302 — or 37 per cent — were not visible on mammography or obvious during physical examination. A total of 328 cancers were diagnosed.

"Typically, when ultrasound is prescribed as a follow-up for a suspicious lump or finding on mammography, only the lump and surrounding tissue are scanned," Gordon said.

"With the number of unsuspected cancers we found, ultrasound exams performed to evaluate a specific area of the breast should include a scan of the entire breast."

In addition to taking little time and not adding significantly to the cost of the exam, scanning the entire breast may be useful in examining women who have a positive diagnosis of breast cancer, she said.

"Ultrasound may detect other areas of undiagnosed cancer in the breast, thereby helping to determine how extensive surgical removal should be."

Gordon emphasized that ultrasound should not be used as a screen and will not replace mammography.

"Ultrasound does not show macrocalcifications, for example, which are early signs of cancer that show up very well on mammography," she said.

Gordon presented her study at the 80th scientific assembly and annual meeting of the Radiological Society of North America in Chicago last month.

Bacteria baths hoped to boost seedling survival

by Abe Hefter

Staff writer

Forestry Assoc. Prof. Chris Chanway is giving conifer seedlings a shot in the arm by giving them a good soaking first.

Chanway is drenching spruce, Douglas fir and lodgepole pine seedlings with naturally occurring soil bacteria in an effort to enhance seedling growth. Although initial tests have been confined to greenhouse and laboratory settings, the results are encouraging, and occasionally, spectacular.

Long-term results have yet to be evaluated, but in the short term, treatment with a bacterial solution can result in a 20 per cent increase in seedling mass, which may include an accompanying increase in the number of seedling branches.

"Conifer seedlings have a difficult time establishing themselves in the first few months after planting in reforestation sites," Chanway said. "Some inoculated seedlings have shown close to a 50 per cent increase in mass within a period of three to four months, which is very encouraging."

Abe Hefter photo

Forestry Assoc. Prof. Chris Chanway is treating conifer seedlings with a bacterial solution in a laboratory setting to enhance seedling growth.

Although this procedure had been virtually untested in trees, scientists, since the turn of the century, have been stimulating crop and plant growth by treating seeds with bacteria before planting. The bacteria, which are naturally occurring and completely benign, work in one of two ways: either directly, by stimulating root growth or nutrient uptake, or by neutralizing other microorganisms which may inhibit seedling growth.

Why this happens is not completely understood.

"It doesn't always work and we don't always understand why we see what we see," said Chanway. "As a result, a common commercial application has yet to be fully developed. However, when the procedure does work, results are evident rather quickly."

Chanway plans to move out of the greenhouse and into field trials this summer. UBC researchers will plant bacteria-soaked conifer seedlings in areas throughout the province in an effort to observe long-term effects in natural conditions.

Calendar

December 18 through January 14

Monday, Dec. 19

Biochemistry/Molecular Biology Seminar
Molecular Cloning Of A Novel Kinase Associated With Integrins. Dr. S. Dedhar, Reichman Research Inst., Sunnybrook Hosp. IRC #4 at 3:45pm. Refreshments. Call 822-9871.

Tuesday, Dec. 20

Animal Science Seminar Series
Transmission Of Pathogens And Immunity Via The Eggs In Fish. Laura Brown, PhD student, Animal Science. MacMillan 260 at 12:30pm. Refreshments. Call 822-4593.

Thursday, Dec. 22

Continuing Education in Engineering/Architecture Workshop
In Cantonese — Business And Job Opportunities In Hong Kong And China. An overview of the topic. Joseph Chan. Civil/Mechanical Engineering 1202 from 9am-4pm. Call 822-3347.

Friday, Dec. 23

Continuing Education in Engineering/Architecture Workshop
In English — Business And Job Opportunities In Hong Kong And China. An overview of the topic. Joseph Chan. Civil/Mechanical Engineering 1202 from 9am-4pm. Call 822-3347.

Tuesday, Jan. 3

Lectures in Modern Chemistry
Random Walks In Chemistry: Applications To Electron Transport. Prof. Bernie Shizgal, Chemistry. Chemistry 250 south wing at 2pm. Refreshments at 12:40pm. Call 822-3266.

Thursday, Jan. 5

Physics Colloquium
Hennings 201 at 4pm. Call 822-3853.

Friday, Jan. 6

Pediatrics Grand Rounds
Hormone Receptor Abnormalities Associated With Novel Endocrinopathies. Dr. Daniel L. Metzger, Metabolic Investigation Unit, B.C. Children's Hosp. GF Strong auditorium at 9am. Call 875-2307.

Law Seminar Series
Rhetoric And Rage: Third World Perspectives On International Law. Prof. Karin Mickelson, Law; Doris Buss, Graduate Program in Law. Curtis 149 from 12:30-1:30pm. Call 822-3151.

Fisheries Centre Seminar
Growth And Reproduction Of Small Cetaceans: Results Of Life History Investigations On Dolphins Taken In High Seas Driftnets. Dr. Richard Ferrero, National Marine Mammal Lab., Seattle. Ralf Yorque Room, Fisheries Centre, Hut B-8 from 1:30-2:30pm. Call 822-2731.

Green College Colloquium
The Political Philosophy Of W.J. Stankiewicz. Sponsored by the Dept. of Political Science and the Polish Institute of Arts and Sciences. Speakers: Bogdan Czaykowski, History; Edwin Black, Political Science, Queen's and UNBC; Henry Habib, Political Science, Concordia. Green College Coach House at 7:45pm. Call 822-8660.

Saturday, Jan. 7

Green College Colloquium
The Political Philosophy Of W.J. Stankiewicz (cont.). Speakers: Alan Cairns, Political Science; Bogdan Czaykowski, History; Ronald B. Hatch, English; Robert H. Jackson, Political Science; Arpad Kadarkay, Political Science, U. of Puget Sound; Samuel V. Laselva, Political Science; Anthony Parel, Political Science, U. of Calgary and Cambridge; Christian Soe, Political Science, Cal. State. Green College Coach House at 9:30 am and 2:00pm. Call 822-8660.

Continuing Education/ Applied Science Course
Continues to May 16/95. An alternate program for fast tracking the processing of building permit applications, providing a thorough presentation of the B.C. Building Code (Part 3) along with special requirements for the participating municipalities. Point Grey Golf And Country Club, 3350 SW Marine Dr. from 1-8pm. Registration/ info: 822- 3347/fax 822-3449.

Sunday, Jan. 8

Green College Cultural Theory Group Seminar
Barbie Meets Rambo: Sex And Violence In The Popular Curriculum. Shari Graydon, president, Media Watch. Green College Coach House at 7:30pm. Call 822-8660.

Monday, Jan. 9

Mathematics/Institute of Applied Mathematics Colloquium
Solidification Interface Instabilities: Asymptotic Methods In Free-Boundary Problems. John Chadam, director, The Fields Institute; Prof., McMaster U. Math 100 at 3:30pm. Refreshments at 3:15pm in Math Annex 1115. Call 822-2666.

Green College Seminar
City Of God Or Island Of Devils? The Book Of Travels Of John Healey (fl.1610). Dr. Mark Vessy, English. Green College Coach House at 5:30pm. Call 822-8660.

Japanese New Year Celebration
OSHOGATSU. Featuring cultural presentations, live entertainment, games, music, door prizes, souvenirs, Asian food stalls, arts and crafts. Asian Centre auditorium at 4pm. Call 822-2629.

Tuesday, Jan. 10

Computer Science Lecture Series
UBC Roadmap To Computing: An Introduction To The Networked Computing Facilities At UBC. CICSR 208 from 12-1:30pm. Continues through Jan. 26. Call 822-5809.

Graduate Student Centre Professional Development Seminar
Graduate Studies, Your Supervisor And You. Dean John Grace and panel of experienced grad students. Graduate Student Centre at 12:30pm. Refreshments. Call 822-3203.

Wednesday, Jan. 11

Centre for Southwest Asian Research Seminar
Asian Growth Triangles: Squaring The Vicious Circle Of Centre-Periphery Relations In Third World Development. Dr. Prod Laquian, director, Centre for Human Settlements. Asian Centre 604 from 3:30-5pm. Call 822-2629.

Theatre Performance
Continues to Jan. 21. Les Belles Soeurs by Michel Tremblay, translated by John Van Burek/Bill Glassco. Frederic Wood Theatre at 8pm. Adult weekday, $12; weekend $14. Student/Sr. weekday $8; weekend $10. Two for one adult Jan 11. Call 822-2678.

Orthopedics Grand Rounds
Death And Complications - Case Presentations. Dr. H.M. Broekhuyse. Eye Care Centre Auditorium, Vancouver Hosp. at 7am. Call 875-4272.

Thursday, Jan. 12

Physics Colloquium
Atom: Laser Spectroscopy Of Antiprotonic Helium Atoms. Ryugo S. Hayano, U. of Tokyo. Hennings 201 at 4pm. Call 822-3853.

Asian Centre Film
Sounds And Images Of The Past 100 Years (Korea). Organized by the Institute of Asian Research. Asian Centre 604, 12:30-1:30pm. Call 822-2629.

Green College/Law and Society Seminar
Can Judges Be Legal Pluralists? Rod MacDonald, F.R. Scott Professor of Public/Constitutional Law; Seana McGuire, Law, McGill U. Green College Coach House at 8pm. Call 822-8660.

CICSR Distinguished Lecture Series
Continual Improvement Software: A Case For Progressive Problem Solving. Dr. Marlene Scardamalia, American Institutes for Research, Palo Alto, Ca. CICSR/CS Bldg. Rm. 208 at 4 pm. Call 822-6894.

Friday, Jan. 13

Pediatrics Grand Rounds
Childhood Vaccines: Progress Report, 1995. Dr. David W. Scheifele, Pediatrics professor, Dir., Vaccine Evaluation Centre. GF Strong auditorium at 9am. Call 875- 2307.

Law Seminar Series
A New Theory Of Legal Pluralism. Rod MacDonald, F.R. Scott Professor of Public and Constitutional Law., McGill U.; Seana McGuire, Law, McGill U. Curtis 149 from 12:30-1:30pm. Call 822-3151.

Mathematics/Institute of Applied Mathematics Colloquium
Send And Follow The Energy: A New Dynamic Approach To Spectral Computations For The Navier-Stokes Equations. Dr. John Heywood, Mathematics. Math 100 at 3:30pm. Refreshments at 3:15pm in Math Annex 1115. Call 822-2666.

Notices

Student Housing
A service offered by the AMS has been established to provide a housing listing service for both students and landlords. This service utilizes a computer voice messaging system. Students call 822-9844, landlords call 1-900-451-5585 (touch-tone calling) or 822-0888, info only.

Campus Tours
Continue in January. School and College Liaison tours provide prospective UBC students with an overview of campus activities/faculties/services. Fridays at 9:30am. Reservations required one week in advance. Call 822-4319.

UBC Libraries
Library branches and divisions will offer more than 100 training/tutorial sessions next fall. Learn how to use the online catalogue/ information system, or one of more than 75 electronic databases in the library. Check branches/divisions for times and dates. Call 822-3096.

Disability Resource Centre
The centre provides consultation and information for faculty members with students with disabilities. Guidebooks/services for students and faculty available. Call 822- 5844.

Sexual Harassment Office
Advisors are available to discuss questions or concerns and are prepared to help any member of the UBC community who is being sexually harassed find a satisfactory resolution. Call 822-6353.

Research Study Volunteers Required
Role Stress In Dual-earner Parents Of Pre-school Children. Wendy Hall, UBC School of Nursing. Participants will complete two short questionnaires only. Honorarium offered. Call 686-0877.

Study on Hearing and Age
Senior (65 yrs. or older) and junior (20-25 yrs.) volunteers are need. Expected to attend three one-hour appointments at UBC. Experiments will examine how hearing and communication abilities differ with age. Honorarium. Call 822-9474.

Dermatology Studies Volunteers Required
Genital Herpes 16 yrs and older. Approx. 8 visits over one-yr. period. All patients will be treated with medication. No control group. Call 875-5296.
Skin Infection Looking for participants with infections such as infected wounds, burns, boils, sebaceous cysts or impetigo. 18 yrs and older. four visits over maximum 26 days. Honorarium. Call 875-5296.

Statistical Consulting/ Research Laboratory
SCARL is operated by the Dept. of Statistics to provide statistical advice to faculty/staff/students. During Term 2, 94/95, up to 3 hours of free advice is available for selected clients. Call 822-4037.

Surplus Equipment Recycling Facility (SERF)
Disposal of all surplus items. Every Wednesday, 12-5pm. Task Force Bldg., 2352 Health Sciences Mall. Call Vince at 822-2582/Rich at 822-2813.

Badminton Club
Faculty/staff/grad students welcome. Osborne Gym A, Fridays from 6:30-9:30pm. $15 yr; $2 drop in. John Amor, Geophysics/Astronomy. Call 822-6933.

Botanical Garden
Annual Shop-In-The-Garden Christmas Sale. All proceeds support the garden. Fresh green Christmas wreaths, dried arrangements; seeds from the garden; gardening books; fine tools and garden accessories. Open daily from 11am-5pm. Shop In The Garden, call 822-4529; garden information, 822-9666.

Faculty and Staff Volleyball
Mondays/Wednesdays Gym B, Osborne Centre at 12:30pm. Drop-in or attend regularly for recreation. Call 822-4479.

Speakers Wanted
Eastern Europe & Russia: A Perspective. Third annual symposium, focusing on these areas. Any faculty, staff or student who has travelled, worked or studied in these areas in 1994 is welcome as a speaker. Call 222-9225 (ans.) or fax 224-4492.

UBC REPORTS

CALENDAR POLICY AND DEADLINES

The *UBC Reports* Calendar lists university-related or university-sponsored events on campus and off campus within the Lower Mainland.

Calendar items must be submitted on forms available from the UBC Community Relations Office, 207-6328 Memorial Road, Vancouver, B.C. V6T 1Z2. Phone: 822-3131. Fax: 822-2684. Please limit to 35 words. Submissions for the Calendar's Notices section may be limited due to space.

Deadline for the January 12 issue of UBC Reports — which covers the period January 15 to January 28 — is noon, January 3.

THE UNIVERSITY OF BRITISH COLUMBIA

Memorandum Of Understanding Between The GVRD And UBC Concerning Planning And Development Of A Part Of Electoral Area A

DECEMBER, 1994

MEMORANDUM OF UNDERSTANDING BETWEEN THE GREATER VANCOUVER REGIONAL DISTRICT (GVRD) AND THE UNIVERSITY OF BRITISH COLUMBIA (UBC) CONCERNING PLANNING AND DEVELOPMENT OF A PART OF ELECTORAL AREA A

PREAMBLE

The GVRD and UBC recognize that it is desirable for all lands within a major urban region to be the subject of community plans ratified by a civic planning authority. The purpose of such plans is to ensure that the use of the lands they encompass gives due consideration to the environmental, physical, transportation, social and economic impacts upon the local and regional communities.

The UBC campus and two adjacent foreshore lots are the only parts of Electoral Area A that are not now the subject of a community plan. While the university is the owner and administrative authority for the UBC campus under the Universities Act, provisions of the Municipal Act and the present governmental arrangements for Electoral Area A allow for the GVRD to act as the civic planning authority for these lands.

In this Memorandum of Understanding, UBC and the GVRD agree to work cooperatively on future planning for the UBC Campus.

The development and redevelopment of lands on the UBC Campus for a variety of institutional and non-institutional uses is essential to the continued progress of UBC as one of the pre-eminent institutions of higher learning in Canada and a centre of teaching and research that is critical to the social, economic and cultural life of British Columbia and Canada. These are consistent with the regional goals of the GVRD as reflected in Creating Our Future, the Livable Region Strategy and the Transport 2021 regional transportation plan.

The Minister of Municipal Affairs, the GVRD and UBC wish to establish a community planning context for the UBC campus and the adjacent lots that is as similar as possible to a conventional municipal planning context, having regard for the unique circumstances created by the location of the lands within an Electoral Area, the authority of the Endowment Lands Administration for civic planning in the remainder of Electoral Area A and the authority of UBC as a public institution with a mandate and a set of operational responsibilities that go far beyond those of a conventional private land owner or developer.

THEREFORE, THE GVRD AND UBC AGREE AS FOLLOWS:

The GVRD will:

1. Prepare an Official Community Plan under the terms of the Municipal Act (excerpt attached as Appendix A) for the UBC campus and the adjacent foreshore lots.

2. Appoint, in consultation with UBC and after consultation with adjacent planning jurisdictions, a planning consultant to draft the Official Community Plan.

3. Appoint, in consultation with UBC and after consultation with adjacent planning jurisdictions and public interest groups, a Planning Advisory Committee of citizens to advise the GVRD on the preparation of the Official Community Plan.

4. Appoint, in consultation with UBC and after consultation with adjacent planning jurisdictions and provincial authorities, a Technical Committee of civic, provincial and university staff to assist the GVRD in the preparation of the Official Community Plan.

5. Conduct a public involvement program as an integral part of the preparation of a draft Official Community Plan, including the publication of a draft plan for public review and comment prior to the preparation of the final version of the plan for a public hearing as required under the Municipal Act.

6. Endeavour to achieve substantial completion of the Official Community Plan by December 31, 1995.

UBC will:

1. Support, without prejudice to any rights it has or may have under law to be exempt from civic planning and zoning, the GVRD's efforts to prepare an Official Community Plan for the UBC campus and adjacent lots by December 31, 1995.

2. Prepare the UBC Land Use and Development Objectives, based on the Principles for Physical Planning (Appendix B), and make them available to the GVRD in a timely manner to permit the GVRD to identify such elements as should be reflected in the Official Community Plan.

3. Refine and illustrate the UBC Land Use and Development Objectives in the form of a Campus Development Plan to be prepared concurrently with the GVRD's Official Community Plan.

4. Inform the GVRD whether it wishes to utilize the Planning Advisory Committee and/or the Technical Committee to assist it in the preparation of a Campus Development Plan.

5. Continue to develop its systems for providing internal land use and building regulations in a manner that substantially replicates the processes in place in municipalities in British Columbia.

6. Confirm its commitment to a market regime for lessees of its lands that substantially relates to the rents, charges, taxes, user fees and off-site services that prevail in municipalities in the GVRD.

7. Refrain from making further irrevocable commitments to non-institutional development on the campus lands from the date of signature of this memorandum to the date of completion of the Official Community Plan or December 31, 1995, whichever comes first (See Appendix C for existing commitments).

Liaison

The GVRD and UBC will confer during the preparation of the Official Community Plan and the Official Campus Plan to encourage unity of objectives.

IMPLEMENTING THE PLAN

The intention of the GVRD is that UBC will continue to administer its own land use and building processes, providing that UBC will do so within the framework provided by the Official Community Plan and other legislation applicable to its lands. It is, therefore, not the intention of the GVRD to proceed with adoption of a zoning bylaw and building regulations for the lands, as would be called for in a traditional approach to implementing an Official Community Plan.

APPENDIX A

MUNICIPAL ACT
Part 29
MANAGEMENT OF DEVELOPMENT

Interpretation

943. (1) In this Part
"adopt", with respect to an official plan or bylaw, includes an amendment or repeal;
"board" means the governing and executive body of a regional district;
"density" where used in relation to land, a parcel of land or an area, means the density of use of the land, parcel or area, or the density of use of any buildings and structures located on the land or parcel, or in the area;
"greater board" means the corporate body, incorporated by an Act, with responsibility for the provision of water or sewage and drainage services;
"local government" means
(a) in the case of a municipality, the council, or
(b) in the case of a regional district, the board;
"official community plan" means a community plan that
(a) a council has adopted under section 947, or
(b) the minister has approved and a board has adopted under section 948;
"rural land use bylaw" means a bylaw adopted under Division (2);
"subdivision" means
(a) a subdivision as defined in the *Land Title Act*, and
(b) a subdivision under the *Condominium Act*.

(2) A local government shall not
(a) adopt a community plan, a bylaw or a rural land use bylaw, or
(b) issue a permit under this Part or Part 21 that would have the effect of restricting any forestry management activity relating to the production and harvesting of timber on any land that is
(c) classified as managed forest land under the *Assessment Act*, or
(d) located within a licence area under the *Forest Act*,
so long as the land continues only to be used for that purpose.
1985-79-8; 1987-14-9; 1989-33-11

Single bylaw
943.1 (1) A local government may exercise its powers under Divisions (3) to (7) by the adoption of a single bylaw.

(2) Where a single bylaw is adopted under subsection (1), amendments to that bylaw that are made under powers in this Part, that are not amendments authorized under section 963, may be made without complying with the public hearing and notice provisions of Division (3).
1987-14-10

DIVISION (1) - OFFICIAL COMMUNITY PLANS

Application of community plans
944. (1) A local government may adopt one or more community plans for one or more areas.

(2) An official community plan of a municipality applies to land in the municipality that is designated in the plan as being covered by that plan.

(3) An official community plan of a regional district applies to an area outside of a municipality that is designated by the minister as a community plan area.
1985-79-8

Content of community plans
945. (1) A community plan is a general statement of the broad objectives and policies of the local government respecting the form and character of existing and proposed land use and servicing requirements in the area covered by the plan.

(2)A community plan shall be in writing and may include plans, maps, tables or other graphic material and shall include statements and map designations for the area covered by the plan respecting
(a) the approximate location, amount, type and density of residential development required to meet anticipated housing needs over a period of at least 5 years,
(b) the approximate location, amount and type of present and proposed commercial, industrial, institutional, agricultural, recreational and public utility land uses,
(c) the approximate location and area of sand and gravel deposits that are suitable for future sand and gravel extraction,
(d) restrictions on the use of land that is subject to hazardous conditions or that is environmentally sensitive to development,
(e) the approximate location and phasing of any major road, sewer and water systems,
(f) the approximate location and type of present and proposed public facilities, including schools, parks and waste treatment and disposal sites, and
(g) other matters that may, in respect of any plan, be required or authorized by the minister.

(3) A community plan may, for the purposes of section 975, designate areas where temporary commercial and industrial uses may be allowed and may specify general conditions regarding the issue of temporary commercial and industrial use permits in those areas.

(4) A community plan may, for the purposes of section 976, designate areas for the
(a) protection of the natural environment,
(b) protection of development from hazardous conditions,
(c) protection of Provincial or municipal heritage sites, under the *Heritage Conservation Act*,
(d) revitalization of an area in which a commercial use is permitted, if the area has been designated for that purpose by the minister, or
(e) establishment of objectives and the provision of guidelines for the form and character of commercial, industrial or multi-family residential development, and the plan shall, with respect to those areas,
(f) describe the special conditions or objectives that justify the designation, and
(g) specify guidelines respecting the manner by which the
(i) conditions will be alleviated,
(ii) revitalization will occur, and
(iii) objectives of the guidelines referred to in paragraph (e) will be achieved.

(4.1) Where a community plan designates areas under subsection (4), the plan, may, with respect to those areas, specify conditions under which a development permit under section 976 (1) would not be required.

(5) Where a local government proposes to include a matter in a community

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Memorandum Of Understanding Between The GVRD And UBC

plan, the regulation of which is not within the jurisdiction of the local government, the plan shall only state the broad objective of the local government with respect to that matter unless the minister has, under subsection (2) (g), required or authorized the local government to state a policy with respect to that matter.
1985-79-8; 1987-14-11.

Minister may require a referendum in a regional district
946. (1) Before the minister designates a community plan area under section 944 (3), or gives approval under section 948 (c), he may require the board to provide him with information respecting the degree of public support for the plan in that area.

(2) After the minister has reviewed the information provided under subsection (1), he may require the board to hold a referendum on the proposed community plan area or community plan to determine the degree of public support.

(3) Where a referendum is held, the board shall inform the minister of the results of it.
1985-79-8

Adoption procedures (municipalities)
947. (1) A council may adopt a community plan by bylaw, and each reading of the bylaw must receive an affirmative vote of a majority of all members of the council.

(2) After first reading of the bylaw, the council shall, in sequence,
(a) examine the plan in conjunction with
(i) its most recent capital expenditure program under section 266, and
(ii) any waste management plan or economic strategy plan that is applicable in the
municipality to ensure consistency between them,
(b) where the plan affects an area of an adjoining municipality, refer the plan to the council of that municipality for comment, and
(c) where the plan affects
(i) an area of a regional district, outside of a municipality, of which it is a member, or
(ii) a service of that regional district,
refer the plan to the board of that regional district for comment.

(3)Before the council gives third reading to the bylaw and not less than 20 days after it has referred the plan under subsection (2) (b) or (c), the council shall hold a public hearing on the proposed community plan.

(4) Sections 956 to 959 apply to the holding of a public hearing under subsection (3).

(5) After the bylaw adopting the plan has received final reading, the plan is an official community plan of that municipality.
1985-79-8; 1987-14-12; 1984-59-14.

Adoption procedures (regional districts)
948. Section 947 applies to the adoption of a community plan in a regional district but
(a) the board shall, where the plan affects an area of an adjoining municipality or regional district, refer the plan to the council or board of that municipality or regional district for comment,
(b) the board shall, after third reading, submit to the minister
(i) the results of its examination under section 947 (2) (a), and
(ii) any comments received after it referred the plan under paragraph (a),
(c) the board shall not give final reading to the bylaw adopting the plan and the plan has no effect until the minister has approved it, and
(d) section 781 applies respecting the entitlement of members of the board who may vote on all readings of the bylaw.
1985-79-8; 1987-14-13; 1989-59-15.

Effect of official community plans
949. (1) An official community plan does not commit or authorize a municipality, regional district or improvement district to proceed with any project that is specified in the plan.
(2) All bylaws enacted or works undertaken by a council, board or greater board, or by the trustees of an improvement district, after the adoption of
(a) an official community plan, or
(b) an official community plan under section 711 or an official settlement plan under section 809 before the repeal of these sections became effective shall be consistent with the relevant plan.
1985-79-8; 1987-14-14.

APPENDIX B
SOME PRINCIPLES FOR PHYSICAL PLANNING WHICH THE UNIVERSITY WILL ADDRESS IN THE IMPLEMENTATION OF THIS AGREEMENT

A. A PLANNING MISSION

i. Institutional Stewardship - Planning will promote the use of the University's land resource so as to optimize academic, social, and financial opportunities for the institution.

ii. Integrated Community - Planning will promote a university community composed of a balance of activities designed to support the needs of the mind, spirit, and body.

iii. Sustainable Development - Planning will promote the development of university land in a way which will balance the needs of the present with those of the future within a total framework of environmental sensitivity.

B. THE CHARACTER OF THE UNIVERSITY COMMUNITY

i. The Integrity of the University - Planning will respect and enhance the physical assets of the campus which will be unified by a distinct landscape.

ii. A Holistic Community - Planning will promote the development of a liveable, convenient, connected, and healthy community.

iii. An Appropriate Use and Density of Development - Planning will promote land issues and density of development which meets institutional objectives in conjunction with regional planning goals.

iv. The Distribution of Activities - Planning will promote a pattern of mixed use characterized by a balance of institutional and non-institutional needs and development, including market uses.

v. Provision of Adequate Services - Planning will promote the provision of public services and infrastructure which respond to the needs of institutional and non- institutional development on the University lands.

vi. The Quality of Social Interaction - Planning will ensure the development of a social fabric characterized by a blend of public and private places, institutional and community focal points, and a variety of inter-connecting movement systems.

viii. Financial Support- Planning will enhance the ability of the University to develop its lands to marketable uses in order to generate income to assist in the fulfilment of the academic mission and the financial stability of the University.

C. PUBLIC ACCOUNTABILITY

i. The University will adopt an open planning process accountable to the public of British Columbia, and which considers and respects the concerns of the faculty, students, staff, and the larger community.

APPENDIX C
Current lease agreements with major organizations on the UBC Campus:

Bank of Montreal
- Commercial bank
- 35-year lease expiring 2004
- 7652 square feet
- 19 employees

B.C. Research Inc.
- The purpose of B.C. Research Inc. is to further applied research and development in B.C.
- 10-year lease plus 10-year option initially expiring in 2003
- 4.133 hectares
- 70 employees

Biomedical Research Centre
- Biomedical research centre
- lease to be surrendered to UBC Foundation approximately April 1995
- 0.13 hectares
- 80 employees

Discovery Parks
South Campus Facility
- The objectives of Discovery Parks is to promote co-operation between industry, government and higher education to expand the advanced technology industries in B.C.
- 75-year lease expiring 2056
- 22.7 hectares

Multi-Tenant Facility
- 63-year lease expiring 2056
- approximately 1 acre

Forest Engineering Research Institute of Canada (FERIC)
- Specializes in wood harvesting and silviculture research
- 97-year lease expiring 2088
- 0.32 hectares
- 40 employees

Forintek Canada Corp.
- Specializes in wood products research
- 99-year lease expiring 2088
- 3.04 hectares
- 80 employees

Hampton Place
- Condominium development
- 99-year leases expiring 2090 to 2092
- St. James House Strata 142 units
- Thames Court Strata 86 units
- West Hampstead Strata 73 units
- Sandringham 32 units
- Future developments planned and under construction

International North Pacific Fisheries Commission
- Non-profit organization established by convention between Canada, Japan, and the United States for the conservation of the fisheries resources in the North Pacific Ocean.
- 10-year lease expiring 1998
- approximately 1900 square feet
- 4 employees

Nordion International
- Produces and markets radio-isotopes
- 30-year lease expiring 2020
- 42 employees

Pulp and Paper Research Institute of Canada (Paprican)
- Pulp and paper research
- 73-year lease expiring 2057
- 2.32 Hectares
- 25 employees

Triumf
- A joint venture initiated to promote research in intermediate energy science. Members are UBC, Simon Fraser University, University of Victoria, University of Alberta and several non-voting members.
- 400 employees

Vancouver Hospital - UBC Site
- Teaching and research hospital
- approximately 530 beds
- 25-year lease expiring 2007

Agriculture Canada
- Federal Government offices and labs
- 99-year lease expiring 2055
- 6.1 acres

B.C. Buildings Corp.
- Public safety building and ambulance station
- 2 hectares
- duration of lease 99 years expiring 2079

B.C. Transit
- Transit bus loop
- 10-year lease expiring 2000

Environment Canada
- Meteorological station
- 10-year lease expiring 1998
- 0.33 acres

National Research Council
- Federal Government offices and labs
- 61-year lease expiring 2055
- approximately 2 acres

Carey Hall
- Baptist residential theological college
- 999-year lease, expiring in 2958
- 2.5 acre lease

St. Andrew's Hall
- Presbyterian residential theological college
- 999-year lease expiring 2955
- approximately 3 acres

St. Mark's College
- Catholic theological college
- 999-year lease expiring 2956
- approximately 0.8 hectares

Vancouver School of Theology
- Anglican, United, Presbyterian and United Methodist theological college
- 999-year lease expiring 2926
- approximately 3 acres

Alma Mater Society of UBC
- Student Society
- significant portion of the Student Union Building (217,053 square feet)
- 45-year lease expiring 2013

Other Student Societies and Associations
- Graduate Student Society
- Alumni Association of UBC
- Pan Hellenic House (student sorority house)

Other leases on the UBC Campus:
Public Works Canada
National Defense - air raid sirens
The Beanery (Gordon Schmidt & Robert Preston, partners)-Cafe
Marlin/Thomas Cook Travel-Travel Agent
Royal Bank - Bank Machine
Silviculture Institute of B.C.
Toronto Dominion Bank - Bank Machine
Vancouver City Savings and Credit Union - Bank Machine
Faculty Women's Club
Koerner Foundation
Various AMS sub-tenants

THE UNIVERSITY OF BRITISH COLUMBIA
ENVIRONMENTAL CONFORMANCE PLAN
Health Safety and Environment

DRAFT for DISCUSSION
December, 1994

"UBC will act responsibly and demonstrate stewardship in protecting the environment. All individuals in the University community share the responsibility for protecting the environment...Procedures and reporting structures for matters of compliance with environmental legislation are necessary to demonstrate due diligence of UBC, its Board of Governors, senior officers, students, and members of faculty and staff, by addressing responsibly, activities which have potential for exposure to lawsuits and prosecution."
(from UBC Policy on Environmental Protection Compliance)

Environmental management is an integral part of The University of British Columbia's overall management responsibility. This document provides a summary of the environmental management program under development at the University of British Columbia, and the current status of the components of the program. This Conformance Plan includes:
- an explanation of UBC's environmental policy, objectives and targets;
- a description of the means to achieve environmental objectives and targets;
- an explanation of the key roles and responsibilities;

At UBC, Environmental Management is an interactive planning process that consists of defining, documenting, and continuously improving our environmental performance. Moving from a reactive to a proactive environmental management program provides significant advantages to the University and to individual faculty and staff. A well functioning environmental management system provides the framework to balance and integrate the economic and research interests of UBC with environmental interests, and will increase confidence that UBC:
- achieves policies, objectives, stakeholder expectations, and maintains good public/community relations;
- demonstrates environmental leadership, providing further evidence of reasonable care and regulatory compliance;
- focuses on environmental impact prevention rather than detection after occurrence. This approach will reduce costs and legal liabilities, improve the University's image, and minimize environmental impact;

A. CONFORMANCE FRAMEWORK
An Environmental Management System includes all the resources, information and reporting structures, and operational processes and procedures required to meet our environmental objectives. The format of this plan follows that under development by the Canadian Standards Association (CSA Z.750) and the International Organization for Standardization (ISO 14000). This format is widely expected to become the standard for organizations internationally. The elements of UBC's Environmental Conformance Plan can be summarized under 3 broad elements:
1. Define Purpose, Establish Plans and Commitment;
2. Ensure Capability;
3. Evaluate, Learn and Improve.

A brief summary of the components of these three elements follows:
1. *Define Purpose* and establish *Plans* and *Commitment*.
   The first step is to focus our activities on what needs to be done by defining where we are now, where we want to go, and how we will get there. People at all levels in the organization should have the commitment to take the appropriate action in support of the environmental management plans. Specific components which must be addressed by UBC include:
   - *Environmental Policy*: defining our commitment and environmental objectives,
   - *Needs Identification*: environmental issues, concerns and needs of the UBC Community, including regulatory requirements,
   - *Environmental Risk Evaluation*: evaluate and prioritize the risks associated with UBC's activities.
   - *Environmental Objectives and Targets*: Objectives identify overall aims such as regulatory compliance, pollution prevention, and community expectations, while targets are the measurable performance requirements.
   - *Accountability and Responsibility*: Responsibility and authority for the implementation and maintenance of the Conformance Plan is clearly identified. Individual members of the University community understand and accept their environmental responsibilities.
   - *Strategic Plan*: Establish both long term (3 to 5 year goals and objectives) and short term (focus on achievable steps and targets) strategic plans.

2. **Ensure Capability**
   Individuals should have the tools required to achieve our environmental objectives. Specific tools include:
   - *Resources*: Appropriate human, physical and financial resources must be made available to successfully implement environmental objectives.
   - *Training*: All personnel must receive appropriate training to carry out their functions in an environmentally sound manner. Areas of training would include health and safety, handling and disposal of hazardous materials, and regulatory requirements.
   - *Information Systems*: Effective information management is a fundamental component of an Environmental Management Program. An effective means to collect, maintain and communicate pertinent information is critical.

3. **Continuously Evaluate, Learn and Improve**
   Environmental management is an ongoing process of evaluating UBC's impact on the environment and how it is changing, and identifying what future needs must be satisfied. Specific components include:
   - *Regulatory Review*: An ongoing process of monitoring existing regulations, and potential changes to regulations, which may affect UBC's operations.
   - *System Assessments*: Ongoing assessments are required to monitor conformance, identify potential problems, and assess the effectiveness of the program. Assessments should include environmental audits of University activities, as well as audits of the effectiveness of the conformance plan so that it can be updated as needs change.
   - *Continuous Improvement*: A system is required to monitor environmental progress against targets and objectives.
   - *Reporting*: Three levels of reporting need to be considered. Internal reporting structures should provide effective communication between staff, management and the Board of Governors. External reporting provides community stakeholders with clear information about UBC's environmental policy, objectives and performance. Regulatory reporting ensures compliance with permits and other legislated reporting requirements.

B. PROGRAM STRUCTURE
1. **Board of Governors (Health, Safety and Environment Committee)**
   The Health, Safety and Environment Committee of the Board of Governors monitors the environmental management activities to ensure the objectives set out in the Environmental Protection Compliance Policy and Environmental Conformance Plan are met. The Committee meets bi-monthly and reviews detailed progress reports.

2. **Advisory Committee on the Environment**
   This committee reports to the Vice President, Research, and is comprised of representatives of Faculties and Operating Departments. The committee reviews the progress of UBC's Environmental Management Program, and makes recommendations on UBC activities and issues related to environmental compliance.

3. **Environmental Programs Group of the Department of Health, Safety and Environment**
   The objective of UBC's Environmental Programs is to ensure protection of our environment in compliance with government regulations and UBC policy, and to encourage environmental stewardship among all members of the University community. The mandate of the program, as specified in the UBC Policy on Environmental Protection Compliance is to develop and implement *"procedures, guidelines and programs addressing specific environmental issues...to accomplish the objective of compliance with environmental legislation, with the full participation of the University community."* The Department of Health, Safety and Environment, through the Manager of Environmental Programs is responsible for *"environmental audits, central monitoring, recording and reporting progress (and instances of non compliance) on environmental protection issues, providing training to the campus community, and serving as the central information source about current and anticipated legislation applicable to UBC."*

4. **Individual Departments and Employees**
   All individuals share the responsibility for ensuring protection of the environment. It is the responsibility of UBC to ensure that all employees have the tools necessary to meet our environmental objectives. Administrative heads of units are responsible for ensuring communication about the goal of compliance with environmental legislation and appropriate training of individuals.

C RESPONSIBILITIES AND PROCEDURES
The following summary of key responsibilities and procedures is taken directly from the UBC Environmental Compliance Policy approved by the Board of Governors in January 1994.

- "Environmental Audits will be performed on all areas and activities under the control of the University...Such audits will measure the extent of compliance with Federal and Provincial legislation and identify potential environmental risks."

- "A plan will be developed by the administrative head of unit for bringing all identified deficiencies into compliance with legislation, in consultation with the Manager, Environmental Programs, and will be forwarded to the vice president responsible for the unit for approval of actions, timing and funding."

- "Monitoring systems and procedures for handling and reporting accidents/incidents will be established for all activities and areas of concern. Administrative heads of units are responsible for ensuring that the monitoring is carried out in accordance with established systems, and for reporting on the monitoring..."

- "When the impact or experimental design of activities to be conducted at off campus locations has unknown or potentially harmful environmental consequences, the member of faculty or staff responsible will apply in advance for a certificate of environmental protection from a University screening committee..."

- "Administrative heads of unit are responsible for ensuring communication about the goal of compliance with environmental legislation and appropriate training of all persons working or studying within their units in relevant environmental issues and procedures for recognizing, dealing with, and reporting accidents that affect the environment."

- "Reports of all audits, plans for correcting deficiencies, reports on satisfying monitoring requirements, accident handling procedures and any minor accidents/incidents will be brought, through the senior officers of the university, to the Board of Governors at its regular meetings. Any accidents/incidents of significant environmental impact will be brought to the attention to the chair of the Board of Governors by the President or his/her designate immediately."

- "When potentially harmful conditions arise or are discovered, the administrative head of unit is responsible for notifying individuals who might be affected, and keeping them aware of efforts to correct the situation."

- "The Manager, Environmental Programs ensures that consultations with the campus and surrounding communities about the state of compliance and progress toward it take place."

- "The Manager, Environmental Programs will publish annually a report which includes information on the audits conducted, the compliance issues dealt with and outstanding, training and communication activities, and responses to accidents affecting the environment."

D. OBJECTIVES AND TARGETS
The following information summarizes the current objectives and targets set for UBC Environmental Programs.

1. ***Environmental Audits***
   *"**Environmental audit** means a systematic, objective method of identifying and verifying that laws, regulations, procedures and University guidelines for environmental, health, occupational hygiene, safety and emergency preparedness standards are being followed. The examination involves analysis, testing and confirmation of procedures and practices. In addition, the process evaluates the adequacy of the environmental management system — communications, clear delineation of employee responsibilities, training and quality control."*
   (UBC Environmental Protection Compliance Policy)

A comprehensive environmental audit will allow UBC to assess the degree of compliance of facilities with current environmental regulations. It will also provide an opportunity to assess the legal liability of the Board of Governors, and senior management. The audit will provide a baseline review of legislation and

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ENVIRONMENTAL CONFORMANCE PLAN - *Draft*

policy, an analysis of UBC's environmental systems and performance, standardized record keeping and documentation, and a standardized protocol for regular follow-up audits and reviews of legislation. The audit will consist of three components:

1. Identify internal control systems employed to ensure environmental regulations are satisfied.
2. Evaluate control systems for adequacy and completeness.
3. Carry out tests and inspections to verify consistent and adequate application of controls.

Assessments will include the following:

- Solid, liquid and air waste management, and special waste management, including PCB's and asbestos.
- Pesticide management, Transportation of Dangerous Goods, management of ozone depleting substances.
- Bulk fuel, oil, and chemical storage (including underground tanks).
- Chemical and biohazard management within labs and stores.
- Assessment of environmental impact of operations, and administrative procedures for the environmental program.

Reviews and evaluations would include topics such as:

- Written policies and procedures, and their availability.
- Training of operational personnel, qualifications of personnel responsible for environmental tasks, and knowledge of legal responsibilities and procedures.
- Records and record systems, compliance with permit conditions, environmental legislation and regulations.
- Maintenance of pollution control works.
- Assessment of current capabilities and practices.
- Hazards associated with current operations and an estimate of the significance of each risk.

Priority areas will be audited first through development of in-house audit teams, which will be directed by an independent audit coordinator. This coordinator will be the Environmental and Emergency Planning Officer of the Department of Health Safety and Environment. Audit Steps will include:

A. Pre Audit Activities:
   1. Regulation and Policy Review (include review of programs at other institutions)
   2. Develop scope and procedures (recruit steering committee with wide representation)
   3. Identify audit areas and set priorities (stakeholder input)
   4. Contact facility, select audit team members and plan audit

B. Activities at Audit Site:
   5. Identify and assess management control systems
   6. Gather audit data (in-house audit teams coordinated by objective outsider)
   7. Evaluate audit findings
   8. Report findings to facility

C. Post Audit Activities:
   9. Issue audit site draft report for comment
   10. Issue final report
   11. Prepare and implement action plan
   12. Follow-up on action plan

2. Reporting Structures

Reporting structures and systems are being developed to ensure up to date information on environmental compliance issues is communicated effectively to the Board of Governors, University Administration, and the UBC community. An Environmental Issues status report has been implemented, and an Annual Environment Report will be published. Protocols for communication of progress on environmental audits are being developed.

3. Training and Awareness Programs

These programs will develop information materials and training packages to assist individuals in achieving environmental compliance goals, and increasing environmental awareness. Programs will focus on:

- Environmental audits and responsibilities of individuals.
- Risk and hazard management
- Training and resources for proper hazardous materials practices.
- Encouraging the use of recycling, recovery and exchange of materials.
- Encouraging participation in UBC environmental programs and the development of new programs.
- Promoting the exchange of information and interaction across campus on environmental compliance issues.

Towards this end an Environmental Programs Course has been developed to provide information to supervisors and administrative heads on their environmental roles and responsibilities. Environmental and Emergency Planning Seminar series are planned for 1994 and 1995. A multi-stakeholder committee is currently active in developing awareness packages, and updating hazardous materials procedures manuals.

4. Hazardous Materials Management Team

The purpose of the Hazardous Materials Management team is to increase awareness on campus of the appropriate handling, storage and disposal practices for hazardous materials, with an emphasis on minimization. The team consists of representatives of several departments and faculties on campus. The team will focus on providing the necessary information and resources to safely and responsibly handle hazardous materials, and provide a forum for exchange of information and ideas. Hazardous materials inventories and minimization audits will be developed as part of the team's mandate. The objectives of this program are:

1. To ensure researchers have the necessary training and resources to safely and responsibly handle hazardous materials and wastes.

2. To increase awareness of the human and environmental risks of hazardous materials used in research and teaching.

3. To encourage individuals to reduce the use of hazardous materials by promoting a shift to a minimization ethic, and providing the tools necessary to reduce waste.

4. To provide a forum for transfer of information on waste management and environmental issues across campus.

5. Solvent Recovery Program

The long term objective of the solvent recovery program is to implement procedures for the daily segregation, collection and recovery of laboratory solvents for reuse on campus. Common solvents targeted would include methanol, ethanol, acetone, xylene and methylene chloride. The aim of the program is to recover 15,000 litres annually after 3 years from departments across campus. This would produce a corresponding decrease in the volume of solvent requiring disposal on campus. After 3 years it is anticipated that the program would be running as a cost recovery operation. The project is currently recovering ethanol and xylene from histology labs, and methanol from Botany.

6. Silver Recovery Program

Currently, over 5000 litres per year of waste photo developer and fixer solutions are being generated on campus. These streams contain recoverable concentrations of silver, and are banned from GVRD sewers. This project was initiated to collect and recover silver from these waste streams and reduce the silver content below that required by regulations for sewer disposal. Revenues from recovered silver will cover program costs.

7. Chemical Exchange Program

UBC is undertaking a pilot study to evaluate the potential and effectiveness of a chemical exchange program, where surplus chemicals can be exchanged rather than disposed of. The program holds promise to significantly reduce chemical costs to individuals who participate.

8. Cost Recovery System for Hazardous Waste Disposal

Hazardous waste disposal at UBC is currently funded through the central operating budget. Alternatives are currently being evaluated for implementing a cost recovery system for hazardous waste disposal which will more fairly distribute disposal costs, and provide incentives to producers to reduce the use of hazardous materials. A detailed discussion paper has been developed and will be reviewed by the Advisory Committee on the Environment.

9. Hazardous Materials Tracking and Inventory System

Implementation of this program will assist the University in regulatory compliance with regard to handling, storage, use and disposal of hazardous materials. The inventory will also assist in identifying potential areas for further environmental initiatives (i.e. waste reduction). The program is also a key component in monitoring and reviewing compliance with regulations. The first stage of the tracking system is currently being developed with a computerized hazardous waste tracking system for inventory control and disposal cost recovery.

10. Hazardous Waste Facility Upgrade

A program to bring UBC's Hazardous Waste Facility into compliance with new emissions regulations has been underway since 1988. The Manager, Environmental Programs is currently working with regulatory to address outstanding issues.

E. CURRENT STATUS: Where is UBC in the process?

The following Tables summarize the current status of UBC's Environmental Management Program, relative to the components identified in the previous section. Percentage completion reported is an estimate only.

1. Define Purpose, Establish Plan and Commitment

Component	% Completion	Comments
Purpose	80	A one year multi-stakeholder consultation identified environmental objectives, and led to implementation of an Environmental Compliance Policy, and formation of the Environmental Programs Department charged with implementing environmental compliance programs.
Policy	100	The Environmental Compliance Policy is in place.
Strategic Plan	80	A strategic plan has been developed and reviewed by the Board of Governors. The plan forms the basis of the UBC Conformance Plan.
Accountability	80	The Environmental Compliance Policy clearly identifies responsibilities for environmental compliance. Ongoing communication is required so that individuals understand and accept those responsibilities.
Objectives and Targets	75	Objectives need to be clarified and communicated to the UBC community through distribution of a Conformance Plan. Performance measurement tools for targets are being finalized.
Needs Identification	75	Underway as part of the development of priorities for the Environmental Auditing Program.
Risk Evaluation	20	Underway as part of the development of priorities for the Environmental Auditing Program.

2. Ensure Capability

Component	% Completion	Comments
Resources	75	With formation of the Environmental Programs Group the University has committed the human resources necessary to develop and implement the program. Human resources will be required from departments to assist in auditing, and allow for appropriate training. Resource allocations will be reviewed as programs develop.
Training	30	UBC staff are currently well trained in health, safety, and hazardous materials management. Significant effort is required in the area of individual environmental responsibility and regulatory requirements. Relevant training courses are under development and will be implemented as part of the strategic plan.
Information Systems	30	Requirements for information systems are well defined, and alternatives have been identified. Formalizing of information systems is underway.

3. Evaluate, Learn, and Improve

Component	% Completion	Comments
Regulatory Review	30	Regulatory review has been an early focus of the Environmental Programs Group. Existing regulatory components need to be summarized. Significant work is required to determine impact of proposed legislation on UBC.
System Assessments	10	System assessments, including environmental audits will require the largest single allocation of resources for the environmental programs. Draft procedures have been developed, and will be finalized along with auditing priorities by the end of 1994.
Reporting	40	Requirements for reporting systems are well defined. Formalizing of structures for internal, external and regulatory reporting is expected to be completed in 1994.
Continuous Improvement	10	Monitoring systems will be developed as an integral component of information systems.

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Lectures will be held Jan. 10 - 12, Jan. 16-19, and Jan. 24 - 26, from 12:00 - 1:30 in room 208 of the CICSR Building, 2366 Main Mall. If you would like more information, please call Moyra Ditchfield at 822-5809, or send e-mail to **ditchfld@cs.ubc.ca.**

This program was made possible through the support of The Teaching and Learning Enhancement Fund and The Department of Computer Science.

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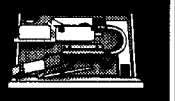

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UBC

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News Digest

The UBC Annual Fund alumni appeal has reached 63 per cent of its goal of $825,000 thanks to the combined phone efforts of students, alumni, faculty and deans, in addition to annual fund mail outs.

Faculty volunteers will continue calling alumni after the holidays to update them on faculty news and to ask for their support.

The Annual Fund faculty and staff appeal hopes to receive most of its $100,000 goal before the holidays in the form of payroll deduction pledges. This year, more than half of the donors so far are first time donors, according to Geraldine Dunnigan, manager of Annual Funds and Awards.

"We'd like to thank everyone who has contributed and ask our past donors to participate as well in order to ensure the success of the faculty and staff appeal."

The Class Act appeal for graduating students kicked off recently with varsity and intramural athletes participating as a group. Students choose their own projects and give through three-year pledges to the university.

• • • •

A ground-breaking ceremony was held last month for the expansion of the multidisciplinary residential community at St. Andrew's Hall, located at 6040 Iona Dr., beside the Faculty of Law.

The $7.6-million project will enable St. Andrew's Hall to expand its 40-room dormitory to include 30 three-bedroom townhouses, 49 one-bedroom apartments and meeting rooms and lounges.

In addition, the Alma Mater Society (AMS) has joined St. Andrew's Hall and the provincial government in funding the construction of a child-care centre as part of the expansion project. The AMS will contribute $225,000 towards construction costs.

The St. Andrew's child-care facility will serve 25 children and provide a drop-in service for parents in a prime location near the heart of the campus.

AMS External Affairs Co-ordinator Leah Costello says the St. Andrew's Hall child-care centre will be operated by the university and will meet the high standards that child care facilities on campus are known for.

• • • •

UBC's Development Office recently won four awards from organizations devoted to the advancement of post-secondary education.

The Development Office's Report on Philanthropy earned a pair of medals from the Council for the Advancement and Support of Education, District VIII — a silver in photography and a bronze in design.

The Report on Philanthropy is UBC's first annual report on philanthropic giving. It summarizes contributions made by corporations, foundations and individuals to the university through the World of Opportunity capital campaign and beyond.

The report also earned a bronze award from the Canadian Council for the Advancement of Education in the category of best annual report.

The Development Office also won a bronze CASE District VIII award in the video category for its production of UBC: The Next Generation.

Both the video and the report were produced by the Development Office's Division of Communications and Donor Relations.

UBC REPORTS CALENDAR AND ADVERTISING DEADLINES

1995 Deadlines

PUBLICATION DATE	VOL./ ISSUE	DEADLINE AT NOON	CALENDAR COVERS PERIOD OF
Jan. 12	41/01	Jan. 3	Jan. 15-Jan. 28
Jan. 26	41/02	Jan. 17	Jan. 29-Feb. 11
Feb. 9	41/03	Jan. 31	Feb. 12-Feb. 25
Feb. 23	41/04	Feb. 14	Feb. 26-Mar. 11
Mar. 9	41/05	Feb. 28	Mar. 12-Mar. 25
Mar. 23	41/06	Mar. 14	Mar. 26-Apr. 8
Apr. 6	41/07	Mar. 28	Apr. 9-Apr. 22
Apr. 20	41/08	Apr. 11	Apr. 23-May 6
May 4	41/09	Apr. 25	May 7-June 17
May 18	41/10	May 9	no calendar
June 15	41/11	June 6	June 18-July 15
July 13	41/12	July 4	July 16-Aug.19
Aug. 17	41/13	Aug. 8	Aug. 20-Sept. 9
Sept. 7	41/14	Aug. 29	Sept. 10-Sept. 23
Sept. 21	41/15	Sept. 12	Sept. 24-Oct. 7
Oct. 5	41/16	Sep. 26	Oct. 8-Oct. 21
Oct. 19	41/17	Oct. 10	Oct. 22-Nov. 4
Nov. 2	41/18	Oct. 24	Nov. 5-Nov. 18
Nov. 16	41/19	Nov. 7	Nov. 19-Dec. 2
Nov. 30	41/20	Nov. 21	Dec. 3-Dec. 16
Dec. 14	41/21	Dec. 5	Dec. 17-Jan. 13

The Calendar will not appear in the May 18 issue. Please submit all Calendar items occurring between May 7 and June 18 by April 25.

For further information please call UBC Reports at 822-3131.

GVRD

Continued from Page 1

of principles to guide planning and the planning process.

At its Dec. 1 meeting, UBC's Board of Governors adopted the GVRD agreement and also adopted, in principle, some steps to guide physical planning. (Full details of the agreement and the planning principles can be found in a supplement to this issue of *UBC Reports*.)

These steps, or planning principles, are based on several sources including the Spaxman report, and reflect the university's priorities.

UBC will draw up a set of land use and development objectives that are consistent with these principles. The objectives will form the basis on which the GVRD will development the Official Community Plan.

A draft of these objectives will be published for review in the Jan. 12 issue of *UBC Reports*.

Recognizing that UBC is not like a private land owner or developer, the GVRD will not adopt zoning bylaws and building regulations for the campus. Instead, UBC will continue to administer its own land use and building processes, but within the framework of the GVRD plan.

Until now, the campus and adjacent areas were the only parts of the GVRD's electoral area A not covered by a community plan.

Public participation will be "an integral part of the preparation" of the GVRD plan, according to the agreement. A planning advisory committee of citizens, appointed after consultation with public interest groups, adjacent planning authorities and UBC, will advise the regional district on the plan.

A technical committee of civic, provincial and university staff will also offer advice to a GVRD-appointed consultant preparing the plan.

A draft plan will be published for public review before a final version is submitted to a public hearing.

The GVRD's plan is expected to be "substantially completed" by Dec. 31, 1995.

Killam

Continued from Page 1

The recipients for 1994 are:

William Cullen, Chemistry, an inorganic chemist best known for his work on the biogeochemistry of arsenic;

James Enns, Psychology, who studies visual attention as a developmental process that is essential for language acquisition and learning;

Cruikshank

Donald Fleming, Chemistry, a pioneer of studies using muonium atoms to probe chemical effects in molecular reactions;

Lawrence Green, director of the Institute of Health Promotion Research, a leader in the study of modifying human behaviour to improve health and lifestyle;

Strong-Boag

Derek Gregory, Geography, who combines social theory, philosophy and cultural studies to reshape the theoretical structure of human geography;

John McNeil, dean of the Faculty of Pharmaceutical Sciences, who conducts research on the effects of diabetes and is exploring the potential of vanadium as a substitute for insulin;

Robert Molday, Biochemistry and Molecular Biology, who is at the forefront of techniques in electron microscopy and studies the proteins of the retina's rod cells;

Pitman Potter, Law, who examines questions about the role of law in modern China, arguing that it remains largely a tool for state action;

Veronica Strong-Boag, director of the Centre for Research in Women's Studies and Gender Relations, who is helping to rewrite Canadian and women's history; and

Alexander Woodside, History, a major figure in the interpretation of Southeast Asian history, who is also looking at education and politics in late imperial China.

Also recently announced are the winners of the Izaak Walton Killam Memorial Faculty Research Fellowships.

The fellowships top up faculty salaries while they are on sabbatical leave by up to $15,000 and also allow a $3,000 grant for research and travel expenses.

The fellowship winners are: **Taki Mathopoulos**, Electrical Engineering; **Catherine Rankin**, Psychology; **Julia Cruikshank**, Anthropology and Sociology; **André Ivanov**, Electrical Engineering; **Richard Cavell**, English; **Philip Loewen**, Mathematics; **Tineke Hellwig**, Asian Studies; **Andrew Irvine**, Philosophy; **Darlene Reid**, Rehabilitation Medicine; **Stephan Salzberg**, Law; **Michael Zeitlin**, English; **Ross MacGillivray**, Biochemistry and Molecular Biology; and **Keith Walley**, Medicine.

Hansen

Continued from Page 1

will contribute enormously to the effectiveness of this university in bridging the gap between health research and practice," said Larry Green, director of the IHPR.

"This bridging between university research and community programs, the private sector and the public is an important part of the institute's mission. We also see the potential in this merger to forge new understandings of the wellness end of the health continuum."

Hansen, a paraplegic since the age of 15, raised $26 million during his Man in Motion World Tour, wheeling 40,000 kilometres across 34 countries on four continents between 1985 and 1987.

In 1989, Hansen was appointed as a special consultant on disabilities to UBC President David Strangway and helped establish the Disability Resource Centre on campus which promotes the full participation of people with disabilities in post-secondary education.

With his support, the Rick Hansen National Fellow Program was created at UBC in 1990 to foster international awareness of the potential of people with disabilities.

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RESIDENCES

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ACADIA MINI MART	Closed weekends & Dec. 25, 26, 17 & Jan. 1 & 2
GAGE MINI MART	Last day is December 21
HUBBARDS	Last day is December 20
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The deadline for the Jan. 12, 1995 issue of UBC Reports is noon, Jan. 3.

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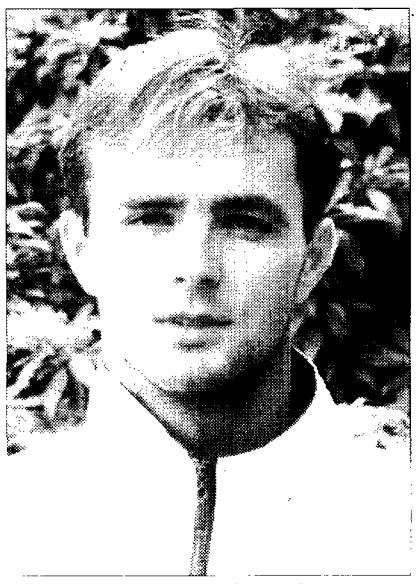
T-bird keen to meet fellow Czechs on ice

by Abe Hefter

Staff writer

As a young hockey fan growing up in the former Czechoslovakia, Pavel Suchanek used to marvel at the way the H.K. Litvinov team dominated the Czech First Division.

However, there will be no stars in Suchanek's eyes when H.K. Litvinov takes to the ice at the Thunderbird Winter Sports Stadium Dec. 28-30 for the 1994 Father Bauer Classic.



Pavel Suchanek

Suchanek, a second-year Agricultural Economics student, is into his second season as a member of the Thunderbird hockey team and is looking forward to giving the Czech players a run for their money.

"It will be a great challenge playing a team from the Czech republic again," said the 21-year-old defenceman.

"They're very skilled players, but we might be a little bigger and stronger."

Suchanek himself has had to play a little bigger, stronger style of hockey, first as a member of the Junior A Kelowna Spartans, since arriving in Canada four years ago from his hometown of Opava.

"Hockey in Canada is a much more physical game. That's the biggest adjustment I've had to make since arriving in Canada."

Suchanek spent two years with the Kelowna Spartans before passing over a scholarship from the University of Alaska at Fairbanks to come to UBC in 1993. He wasn't eligible to join the T-Birds until January, and he did so somewhat out of shape and a step behind his teammates as a result of his mid-season arrival.

"I was relieved when my first season was finally behind me. I could concentrate on improving my play this year. The team is doing better and I believe I am, as well."

Suchanek's contribution to UBC's 7-6-1 record so far this year includes two goals and seven assists. He feels he's adjusted well to the physical brand of Canadian hockey, but he'd like to improve his offensive capabilities.

"Coach Mike Coflin has given me the opportunity to rush the puck and take a turn on the power play. I'd like to score more goals for the team," he said.

Suchanek's next opportunity to score more goals will come against H.K. Litvinov. The Czech team will be joined in the Father Bauer Classic by the University of Alberta and York University, making this the strongest group of teams to compete in this tournament, said T-Bird coach Mike Coflin.

"The presence of Alberta and York, two teams with strong Canadian Interuniversity Athletic Union traditions, and a world class European club, will make the tournament very competitive."

Women's volleyball team enjoys strong season start

by Abe Hefter

Staff writer

Six league games into the 1994-95 Canada West season, the UBC women's volleyball team has already shown a 400 per cent improvement over last year's total number of victories.

However, first-year coach Doug Reimer isn't ready to pop any champagne corks just yet.

Doug Reimer

"With a record of 4-and-2, this team has shown a dramatic turnaround from last year's season, which saw the club win only one of 16 league games," said Reimer, who joined the T-Birds this year after five years as head coach at the University of Winnipeg.

"Although a playoff spot is very much attainable as we approach the mid-way point of the campaign, we are in an extremely tight race."

Reimer isn't used to losing, and so far his players are enjoying the same kind of success he experienced in Winnipeg, where he came away with a national championship in 1993.

He credits the team's turnaround to the play of two veteran performers who joined the T-Birds this season.

"Team captain Leanne Sander is as skilled a power hitter as you'll find in the Canadian Interuniversity Athletic Union. She has emerged as a team leader after starring with the University of Saskatchewan.

"National team member Joanne Ross, a 6-foot-4 middle blocker from Montreal, is another player who has had a real impact."

Reimer knew he had a contending team on his hands even before the start of the regular season in November. After finishing seventh in an exhibition tournament in Winnipeg in October, the T-Birds bounced back two weeks later to finish third in a Toronto pre-season tourney.

"I was confident I was looking at the development of a contending team. But it takes time for players to gel as a group, and it was important for them to see that result against the best in the country," said Reimer.

The Thunderbirds, currently in second place in Canada West and ranked sixth nationally, return to action Jan. 5-6 on the road against the University of Saskatchewan. The team returns home Jan. 12 for a game against the University of Victoria, before playing host to the University of Alberta, currently ranked number two in the country.

People

by staff writers

David Nelson, an MSc student in the Faculty of Medicine's Dept. of Medical Genetics, is the recipient of the 1994 Graduate Research Prize.

Nelson received a cash prize and plaque for his poster which explores the behaviour and control of the repetitive DNA element HERV-H, a retrovirus embedded in the DNA of all human cells.

Some retroviruses are cancerous and have induced sarcomas, leukemias, lymphomas and mammary carcinomas in rats. Sponsored by the Kinetek Biotechnology Corporation, the award recognizes excellence among the faculty's graduate student poster and oral presentations submitted to the Health Sciences Student Research Forum held annually during Health Sciences Week.

The forum is designed to give students the opportunity to present their research work in a formal setting.

Nelson, whose work was selected from 21 graduate student and presentations, was honoured at a luncheon on Oct. 25.

• • • •

Assoc. Prof. **Rosemary Knight** has been named the Canadian Geophysical Union's Distinguished Lecturer for 1995.

Knight is the fourth lecturer and the first from UBC to be selected for the nationwide series, which was established to communicate research results to the university community and the public.

Knight

She will begin a nationwide lecture tour of Canadian universities, including UBC, early next year.

Knight joined UBC in 1987 and currently holds a joint position in the departments of Geophysics and Astronomy and Geological Sciences.

Her area of research is rock physics, which provides a link between geophysics and geology. Her approach is to conduct controlled geophysical measurements in the laboratory on characterized geological samples and then develop the theories that link the geophysical measurements to the geological materials.

A recent area of research is the use of ground-penetrating radar for ground water applications. Knight and her students collect radar data at the earth's surface, then use their laboratory and theoretical results to locate and estimate the properties of ground water aquifers.

• • • •

Economics Prof. **John Helliwell** has received an honorary degree from the University of Guelph in Ontario. He received a Doctor of Letters for his work as one of Canada's outstanding economists.

University of Guelph officials cited Helliwell for his 28 years of outstanding scholarly work since receiving his doctorate from Oxford University in 1966. He has published more than 130 significant, innovative books and papers, as well as numerous book reviews and conference presentations.

Helliwell has also spent considerable time in policy-making circles. While still a graduate student, he served as a member of the research staff of two Royal Commissions and has since been an adviser to the Bank of Canada, the Department of Finance, and numerous other policy-making bodies and individuals.

He has been named a fellow of the Royal Society of Canada, officer of the Order of Canada and president of the Canadian Economics Association.

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Prof. **Craig Riddell**, head of the Economics Dept., is the co-winner of the Doug Purvis Memorial Prize for a work of excellence on Canadian economic policy.

Riddell and David Card of Princeton University were awarded the prize for their 1993 paper, A Comparative Analysis on Unemployment in Canada and the United States, at the annual meeting of the Canadian Economics Association.

The Doug Purvis Foundation is a non-profit, registered charitable foundation dedicated to the support of excellence in the study and critical analysis of issues related to Canadian economic policy. Doug Purvis was a Queen's University educator and one of Canada's leading policy economists.

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Axel Meisen, dean of the Faculty of Applied Science, has been awarded the Merit Order for Distinguished Service by the Government of Peru's Ministry of External Relations.

Meisen

The award is in recognition of Meisen's contributions to engineering education in that country.

Meisen has also become Chair of the National Council of Deans of Engineering and Applied Science (NCDEAS), an organization that has 33 members and represents all engineering faculties and schools in Canada.

The deans are responsible for engineering education, research and, increasingly, continuing education of practising engineers. NCDEAS has a strong commitment to education and to the creation and application of commercially important research and development.

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Debora Sweeney, manager of Donor Relations and Communications for the Development Office, has been seconded for 11 months to organize and manage the 1995 UBC Open House, to be held Oct. 13-15.

Sweeney will work with Chuck Slonecker, director of University Relations, who is chair of Open House '95. Her secondment took effect Dec. 1.

During this period, Ron Burke is acting manager of Donor Relations and Communicatons. Sweeney will retain responsibility for development of the university's Corporate Sponsorhip Program.

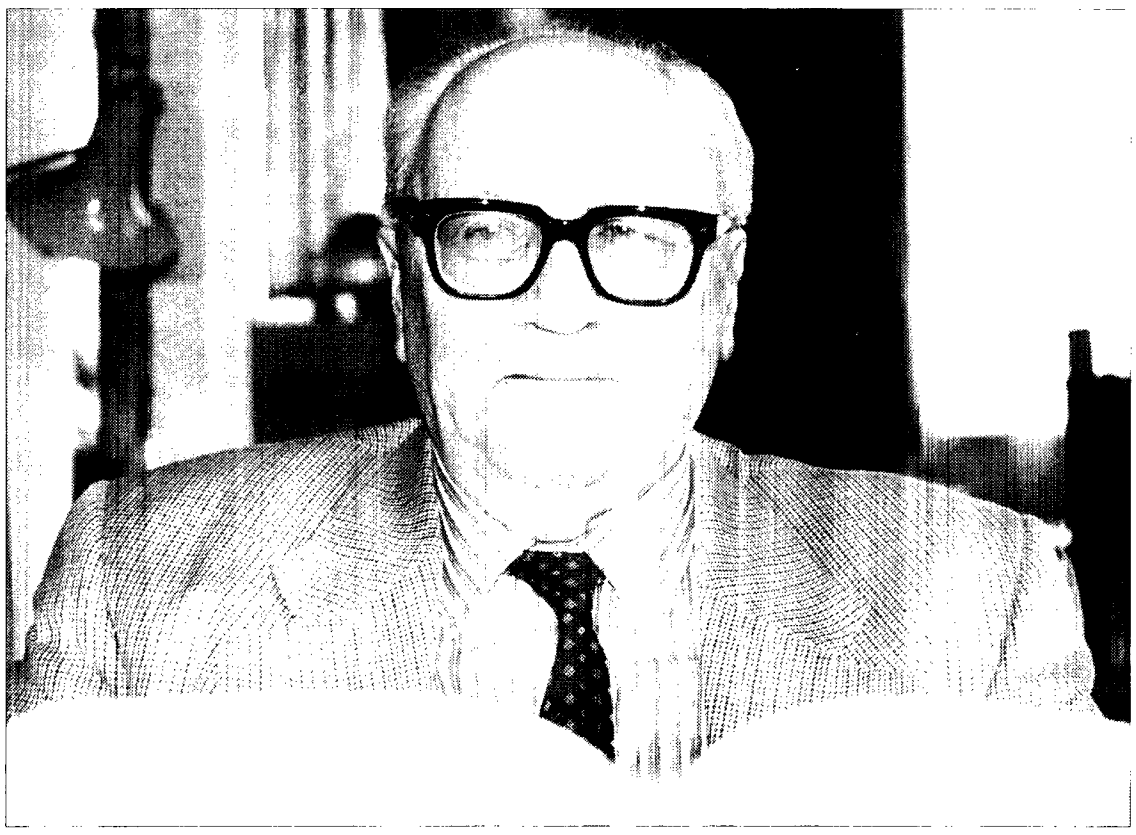
The last Open House was held in March, 1990 to celebrate UBC's 75th anniversary and attracted an estimated 200,000 visitors over three days.

Sweeney, who has an extensive background in media and public relations and events organizing, previously worked as associate director of public affairs at the University of Toronto, in UBC's Community Relations Office and as a television and radio reporter for the CBC.

Profile

A Parting Jot

The work of W.J. Stankiewicz in review



Charles Ker photo

by Charles Ker

Staff writer

Leafing through a draft of the soon-to-be released book, Jottings, W. J. Stankiewicz's guest stops and reads aloud: "Relativism brands any real conviction as 'biased' and places uninformed opinion on a par with expert knowledge."

Bingo. This topic has obviously struck a chord with the author who, gesturing excitedly towards the manuscript, begins to affirm his own conviction that relativism is at the root of what ails modern life.

In its refusal to recognize a hierarchy of values, Stankiewicz says that relativism promotes chaos by clouding the distinction between right and wrong.

Advancing this notion further, the veteran UBC political philosopher alludes to TV news panels in which views are routinely presented and discussed, but no conclusion reached or direction given. Says Stankiewicz: "In university life, seminars give students a forum to present opinions for academic exercise, but when this is done through media to educate society it becomes a kind of non-education."

Stankiewicz's thoughts on relativism are just one aspect of his political philosophy under scrutiny during a special two-day colloquium to be held in January. Since the writing of his 1952 PhD thesis, Politics and Religion in 17th Century France, through to Jottings (his 20-year collection of aphorisms), Stankiewicz has challenged readers to think about the political issues of the day in philosophical terms. From the start, he has set out to remind political and social scientists that life's great questions revolve around values; they, more than anything, determine our motivations and actions.

Born in Warsaw in 1922, Stankiewicz registered at the University of Warsaw shortly before the German invasion of Poland. At the age of 17, he joined the Polish Army-in-Exile in France and escaped to Britain following the French collapse. "Watching Hitler grab one part of Poland and Stalin another brought me in quick contact with two totally different totalitarian regimes," said Stankiewicz, who later saw a year of active service as an artillery officer during Europe's liberation. "I don't think a political philosopher can be efficient without experiencing life in all its manifestations, including its political systems."

When the war ended, Stankiewicz returned to England to complete his doctorate in political philosophy at the London School of Economics. A 30-year teaching career at UBC ensued in 1957 and was punctuated with lecture tours throughout continental Europe, Scandinavia, Southern Africa, Australia, India and Taiwan. Along the way he witnessed a lingering revolution in Ethiopia after the dethronement of Emperor Haile Selassie (1974), civil war in Rhodesia (1976) and guerilla warfare during Namibian elections in 1978 where he acted as an international observer. Stankiewicz drew on these experiences to write 15 books analysing and assessing the validity of basic concepts in political philosophy.

> **relativism**/ˈrelətɪˌvɪz(ə)m/ *n.* the doctrine that knowledge is relative, not absolute. **relativist** *n.*
>
> - The Concise Oxford Dictionary

Unlike many political scientists of his generation - who turned to polling, statistics and 'behavioural' methodologies to understand society's political and social fibre - Stankiewicz chose to pin his understanding on "the huge literature and accumulated wisdom" developed by classical political philosophers since Plato and Aristotle. By constantly weaving together philosophical assumptions with concepts such as sovereignty, social contract, natural and positive law, he conducts a dialogue with readers, forcing them to think in philosophical terms about interconnected ideas. Meshed with these is relativism, which Stankiewicz sees as the dominant mood of our time.

To illustrate how his writings encircle a topic and attack it from many sides, Stankiewicz draws a corrugated pattern in the air. He says colleagues who are more scientifically inclined, or behaviouralist, tend to produce linear prose.

"Their prose goes like this," says Stankiewicz, dragging his finger in a straight line from left to right. "It is what it says and nothing else. There is no reading between the lines. It doesn't make you think about what the various implications might be."

Stankiewicz has encircled a diversity of topics, issues and ideas in a trilogy called Relativism in Politics. The project covers three areas of political theory: classical concepts (Aspects of Political Theory, 1976); theories of democracy (Approaches to Democracy, 1980), and political ideologies (In Search of a Political Philosophy, 1993). The last volume consists of four treatises which Stankiewicz refers to as "a disquisition on conservatism, a dissection of liberalism, an indictment of socialism and an obituary of Communism."

Apart from political theory, his works delve into economics (Institutional Changes in the Post-War Economy of Poland, 1955), international relations (Canada-U.S. Relations & Canadian Foreign Policy, 1973), cultural history (The Tradition of Polish Ideals, 1981) as well as two anthologies on British government.

Leading up to the trilogy project was a critical anthology on sovereignty, another central concept which Stankiewicz considers fundamental to modern-day political thought. Far from being an outdated notion of the past (as some contemporary thinkers claim), he views sovereignty as an antidote for the "disease" called relativism. By introducing an ultimate decision-maker into the political process, sovereignty recognizes the importance of authority in replacing society's lack of direction with a sense of purpose.

An emeritus professor since 1987, Stankiewicz says some critics have found his scholarly treatises hard to read because the prose is tight, but for that he makes no apology. Of course, the thoughts and aphorisms expressed in Jottings (to be published in a dual Czech/English edition) are tight by nature. Says Stankiewicz: "With aphorisms, to explain too much loses the punch so you must be as precise as in poetry."

As 10 peers from Canada and the United States prepare to assess his lifetime achievement at the Green College colloquium, Stankiewicz leaves them to contemplate a parting jot:

"With the advent of political correctness, the Age of Imbecility has reached a new high. Suddenly we all find ourselves making what is perceived as 'errors' and are assailed by a host of hidden inhibitions. Beware of the coming of the new age of intolerance."

(Sponsored by the Dept. of Political Science and the Polish Institute of Arts and Sciences, the colloquium "The Political Philosophy of W.J. Stankiewicz" will be held at Green College on Jan. 6 and 7. For more information call 822-2717.)