

UBC REPORTS



Dan Spinner

New alumni director appointed

Dan Spinner, former campaign director of the Lower Mainland United Way, has been named executive director of UBC's 90,000-member Alumni Association.

He replaces Dr. Peter Jones, who recently joined the British Columbia Institute of Technology as Dean of Development.

As United Way campaign director, Mr. Spinner was responsible for the overall management and implementation of the 1984 United Way campaign, which raised \$9.8 million. Before coming to B.C. in 1983, he was associated with the United Way of Windsor in Ontario. Mr. Spinner is also the former president and chief executive officer of a Toronto-based management consulting firm and has served as a consultant for municipal, provincial and federal governments and for the management firm of Touche Ross.

Mr. Spinner received a Bachelor of Arts degree in 1970 from the University of Toronto, where he later worked as a research associate at the Ontario Institute for Studies in Education and as a researcher in university-community relations. In 1982 he developed a course in management of human services at the University of Michigan.

Mr. Spinner assumed his position with UBC's Alumni Association earlier this week.

UBC engineering research leads to major advance in energy exploration

A group of UBC engineers will send a new type of probe through the ice and into the seabed of the Beaufort Sea later this month to demonstrate a major advance in Canadian seismic engineering.

In just one probe the soil testing device is capable of gathering all the necessary information about the strength and properties of a seabed before off-shore construction begins.

"Right now, before oil rigs or loading platforms can be built off-shore, at least one drill hole must be drilled and the core sample taken to a laboratory for analysis," said UBC team leader Dr. Campanella.

"In addition to the drill holes, a series of individual probes, each measuring only one property, must be pushed into the seabed.

"The drill holes and probes are tremendously expensive. They involve large support vessels and crews, often working sporadically because of adverse weather conditions.

"What we do is in effect take the laboratory into the field. We get all the necessary information from a single, self-contained probe. The cost advantages of our system are enormous."

Dr. Jim Murray, UBC's industry liaison officer, said off-shore seismic engineering work in Canada is now mostly done by

Seven honorary degrees awarded

UBC will award seven honorary degrees this year at its graduation ceremonies on May 29, 30 and 31.

Receiving honorary degrees will be Canadian author and broadcaster Pierre Berton, President of IWA Regional Council No. 1 Jack Munro, architect Arthur Erickson, mathematician Robert Langlands, North Shore educational administrator James Inkster, former Vancouver Sun publisher Stuart Keate and Bella Coola Tribe elder Margaret Siwallace, who has provided information on native culture for researchers across North America throughout her lifetime.

UBC receives grant for Japanese texts

The language programs and services division of UBC's Centre for Continuing Education has received a grant of ¥ 2000,000 (approximately \$10,800 Cdn.) from the Commemorative Association for the Japan World Exposition.

The grant has been used to purchase a word processing system for the typing, editing and printing of Japanese language texts.

Tadatoshi Hosoi, the Japanese coordinator for language programs and services, was instrumental in obtaining the grant for UBC and is actively engaged in the production of Japanese language textbooks.

firms using equipment and techniques developed for use in other parts of the world. The UBC probe is designed to meet Canadian conditions.

"Its impact on the energy industry is easily in the range of multi-millions of dollars," Dr. Murray said. "It will have a significant cost effect on exploration and construction in the Beaufort Sea and on activities off the B.C. coast when work begins there."

The probe has already been tested on land at several B.C. sites, on the San Andreas Fault in California by the U.S. Geological Survey and in Norway for the Norwegian-Geotechnical Institute. The Beaufort Sea demonstration will be on behalf of the Geological Survey of Canada.

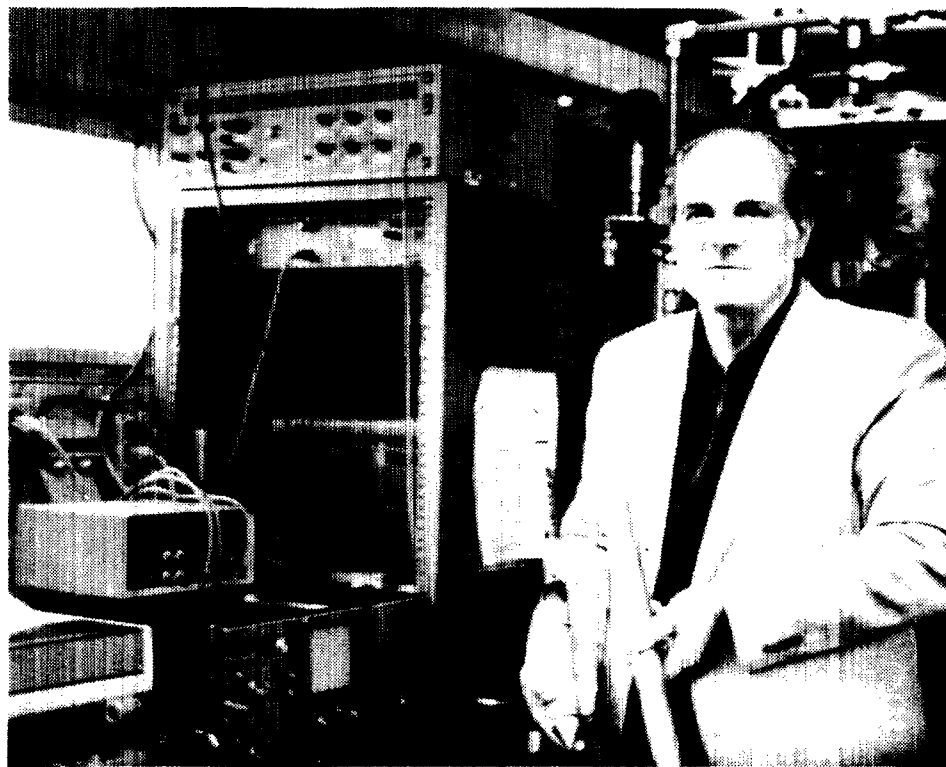
The probe is the latest development in about a decade of research by Dr. Campanella and his team in the geotechnical engineering program of the civil engineering department. Ten of 40 graduate students in the program are involved with research on the probe.

Collaborating with Dr. Campanella is Dr. Peter K. Robertson, who is at UBC as a university research fellow of the federal Natural Sciences and Engineering Research Council of Canada.

"When we began our work, we started by developing our equipment ourselves, because much of it wasn't available and what was available was too expensive," said Dr. Campanella.

"Then eight years ago we received \$10,000 from the University to buy a truck frame on which to build our field laboratory. Since then we have developed a series of sophisticated probes — in addition to the one we will use in the Beaufort — that are used in conjunction with instruments on the truck. The probes were built by Art Brookes and Glenn Jolly, our two technicians."

Drs. Campanella and Robertson, four graduate students and the two technicians will leave in mid-March with the truck and its probe for the Beaufort. Work there is scheduled to begin March 19.



Prof. Dick Campanella and his research team travel north to the Beaufort Sea this month to demonstrate a new type of probe developed at UBC for off-shore seismic engineering.

Garden presents special lecture

The Friends of the UBC Botanical Garden are sponsoring a special public lecture on Wednesday, April 3.

Dr. Peter Raven, director of the Missouri Botanical Garden in St. Louis, will speak on "The Plant Crisis in the Tropics — Our Concern Too." The lecture takes place at 8 p.m. in the Faculty Club. Tickets are \$5.

Dr. Raven is active in developing the

Missouri Botanical Garden's research program in tropical botany and has travelled widely promoting an understanding of the ever-decreasing resources of the tropics.

A selection of tropical plants will be displayed at the lecture.

For reservations and information, call 228-3928.

GRANT DEADLINES

Open (Applications can be made at anytime)

- Agriculture Canada (CBRI0)
 - Visiting Fellowships in Biotechnology
- Amoco Foundation Inc. (U.S.)
 - Research
- Atlantic Salmon Federation
 - Project Grant
- AUCC Intl. Development Office
 - Institutional Cooperation Development Linkages
- B.C. Cancer Foundation
 - Pilot Projects in Cancer Research
- B.C. Health Care Research Fdn.
 - Emergency Fund
- B.C. Min. of Univers., Science & Communic.
 - China Professorial Exchange Program
- British Council
 - Academic Links and Interchange Scheme
- Canadian Cancer Society
 - CCS Travelling Fellowships — Blair Awards
- Canadian Certified General Accountants
 - Research Contract
- Canadian Cystic Fibrosis Fdn.
 - Visiting Scientist Award
- Canadian Diabetes Assoc. (B.C.)
 - B.C. Research Fund
- Canadian Electrical Association
 - Research Contract
- Canadian Fedn. for the Humanities
 - Aid to Scholarly Publications Program
- Canadian Intl. Development Agency (CIDA)
 - Institutional Development Linkages
- Center for Field Research
 - Field Research Projects
- Commonwealth Foundation
 - Commonwealth Foundation Lectureships
 - Travel Grant
- Crown Forest Industries Limited
 - Foundation Grants
- Educational Research Inst. of B.C. (ERIBC)
 - ERIBC Discretionary Grant
- Fitness & Amateur Sport
 - Contributions: Project & Organizational Mgmt.
- Ford Foundation (U.S.)
 - Research
- Health & Welfare Canada: NHRDP Projects
 - NHRDP Conferences, Symposia, Workshops
 - NHRDP Formulation of Proposals
- Health & Welfare Canada: Welfare
 - Human Resource Development Project
- National Welfare: Supplementary Publications
- Heritage Canada Document Centre
 - Access to DATA files
- International Development Research Centre
 - Cooperative Research
- International Union Against Cancer
 - Research Technology Transfer Project
- March of Dimes Birth Defects Fdn. (U.S.)
 - Basil O'Connor Starter Research Grants
- Matsumae International Fdn.
 - Matsumae Fellowship
- MC: Awards Program
 - Visiting Professorships
- MRC: Grants Programs
 - Maintenance Grants
- MRC: Special Programs
 - France/Canada MRC Exchange
- National Cancer Institute of Canada
 - Sabbatical Leave
 - Support for Scientific Meetings
- National Defence Canada
 - Arctic Research Support Program
- National Geographic Society
 - Research
- National Institute of Mental Health (U.S.)
 - Small Grant Program
- National Research Council
 - Contaminants and Pollutants Research
- North Atlantic Treaty Organization
 - Double-jump Program
- NSERC: Fellowships Division
 - Senior Industrial Fellowships
- NSERC: Individual Grants
 - Collaborative Special Projects
 - New Research Ideas Grant
- NSERC: Unvers.-Industry Program
 - Co-op Research & Development
- Provincial Sec. & Govt. Services
 - Lottery Fund - Grants
- Queen's University
 - Mineral Resource Policy Research
- Research Corporation (U.S.)
 - Cottrell Research Grants
- Science Council of B.C.
 - Industrial Postdoctoral Fellowships
- Secretary of State (B.C. Branch)
 - Native Women's & Native Citizens Program
- Solicitor General Canada
 - Research Contract
- SSHRC: Intl. Relations Division
 - Travel Grants for International Representation
- SSHRC: Secretariat Division
 - Library: Fleeting Opportunities Program
- Technicon Instruments Corp.
 - Research
- United States Air Force
 - Research Grants and Contracts

UBC political scientists explore "wacky world" of B.C. politics

A team of University of B.C. political scientists is about to throw some new light on what has been called the "wacky world" of B.C. politics.

Dr. Donald Blake, one of the team's members, believes that some of the myths surrounding B.C. politics have been debunked in a forthcoming book based on the first comprehensive survey of B.C. voter attitudes as well as national survey data and government statistics.

The book, entitled *Conflict in Context: The Two Worlds of the B.C. Voter*, will be published by the University of B.C. Press this summer and is the fruit of more than six years of analysis by Dr. Blake and two collaborating UBC colleagues — Drs. David Elkins and Richard Johnston.

Dr. Blake, who is the sole author of seven of the ten chapters of the book, says conventional political wisdom has it that B.C.'s electorate is divided along working-class, middle-class lines.

"It's been assumed," he adds, "that these two classes have very different political values that coincide with the left-right split, which is reflected in New Democratic Party-Social Credit Party support."

However, Dr. Blake and his colleagues have hard evidence that about a third of the working class votes Social Credit and about a third of the middle class supports the NDP.

"What turns out to be the major intervening factor is people's attitudes on left-right questions," Dr. Blake says. "The members of the working class who can be identified as 'individualistic' will vote Social Credit, and a member of the middle class who believes in a strong role for the state in social policy and economic regulation is likely to vote NDP."

The "hard evidence" that Dr. Blake and his colleagues use for many of the conclusions in the book is a provincewide survey of more than 1,000 voters, who were interviewed for an average of two hours each. The survey was conducted in a ten-month period following the provincial and federal elections in May, 1979.

"One thing we wanted to explain provincially," says Dr. Blake, "was the growth of the New Democratic Party. Its share of the vote hovered around a third until 1966, when it starts to take off. In 1972 they won the provincial election with 39 per cent of the vote and lost it in 1979 with almost 50 per cent of the vote."

The team's conclusion: The real father of the new NDP was W.A.C. Bennett, Social Credit premier until 1972, when his party was defeated by the NDP under the leadership of Dave Barrett.

Social Credit policies that spurred NDP growth were development of the resource economy of B.C., which led to work settings that encourage NDP support, and an increase in public-sector employment, which Dr. Blake says "gave the NDP an increased entree into the middle class."

"The image of Social Credit as a party of the province's interior and farming regions is no longer warranted and it no longer dominates other non-metropolitan regions," Dr. Blake says.

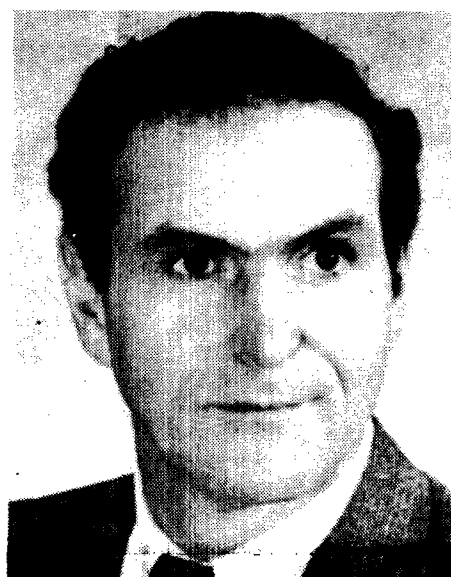
Growth of the NDP vote, he says, means that each major party enters an election with almost equally sized bases. "Social Credit has recorded marked net gains only in Upper Status Vancouver, and there only through the co-optation of Liberal MLAs and their respective mass followings."

The collapse of support for the

provincial Liberal and Conservative parties was the pivotal political change of the 1970s. "Our survey clearly shows that after 1972 most Liberals gravitated to the NDP while most Conservatives moved in the direction of Social Credit," says Dr. Blake.

Another myth debunked by the UBC political scientists is that B.C. is cut off from the mainstream of Canadian politics and that alienation is widespread in the west.

Dr. David Elkins, in a chapter entitled "Allegiance and Discontent in British Columbia," writes that alienation is an inappropriate label for what might be better described as "discontent, policy grievances or partisan rivalry."



Stephen Conway

MacMillan lecture set for March 14

Stephen Conway, vice-president of Timberlands, Scott Paper Company in Philadelphia, will give this year's H.R. MacMillan Lecture in forestry.

Mr. Conway will speak on "People, Process and Productivity" on Thursday, March 14 at 12:30 p.m. in Room 166 of the MacMillan Building. The lecture is free and open to the public.

Mr. Conway will also give a seminar on March 13 at 12:30 p.m. in MacMillan 166 on "A Productivity Model."

Series on pregnancy produced

In the midst of the "mini" baby boom, UBC has produced a series of public education television programs on pregnancy.

The programs will be shown on the Knowledge Network in the spring and will be available through Health Ministry offices and other counselling services throughout the province.

The series was produced by Mr. Bob Quintrell, special projects coordinator in UBC's biomedical communications department.

Dr. Peter Grantham, a medical director for the series, said much more is known today concerning pregnancies than during the original baby boom.

"Most women know, for example, that their nutrition during pregnancy is important," Dr. Grantham said. "But few realize that their nutrition before they become pregnant is also important."

Dr. Grantham, head of UBC's family

practices, said that even more important than nutrition in most cases are other changes in lifestyle since eating habits are usually good in our society.

"It is extremely important that mothers reduce or eliminate smoking and drinking while pregnant," he said.

In all large studies of the effect of smoking on pregnancy, he said, the death rate of babies at birth was much higher among mothers who smoked during pregnancy. In some cases, the death rate was as much as 30 per cent higher.

And the latest research indicates that pregnant women who drink more than the equivalent of four glasses of wine per week run the risk of exposing their babies to fetal alcohol syndrome, which could lead to low birth weight, low intelligence or death.

The attitudes alienation represents "link British Columbians to other Canadians beyond the province's borders," Dr. Elkins writes. "In fact, British Columbians are self-consciously members of the Canadian political community and, as such, participate in the same party system and issue space as do other Canadians, despite the apparent isolation of the world of provincial politics."

Alienation in B.C., he adds, deserves attention "mainly because it reveals that people care about Canada, and about British Columbia and the actions of government."

The team also set out to explain the differing voting habits of the B.C. electorate in provincial elections, where a two-party system is in place, as opposed to federal elections, where there is a choice among three parties.

Referring to the 1979 federal election in B.C., Dr. Blake writes that "the philosophical divisions separating the major provincial parties were apparently forgotten by many voters (including nearly 40 per cent of those who voted NDP provincially), who were affected by the conflicts over Liberal centralism and western regionalism, as well as related controversies involving cultural and language policy."

Nearly 70 per cent of those who voted Social Credit in the 1979 provincial election went on to support the federal Conservatives, whereas the NDP was able to deliver only 64 per cent of its provincial supporters to the federal party.

"Our analysis shows that provincial NDP supporters who switched their vote to the Conservatives federally did so over the issues of language and cultural policy or western alienation from Ottawa. If alienation wasn't a factor, NDP defectors tended to vote Liberal federally. A number of provincial NDP supporters voted strategically in the federal election by voting Conservative in order to get the Liberals out."

Summing up, Dr. Blake says that in provincial politics "it can be argued that the issues are almost one dimensional and are based on the left-right division, whereas at the federal level that division has to compete with many other issues, including alienation, attitudes towards Quebec and bilingualism."

Reading habits start early, says expert

A UBC Faculty of Education reading expert says parents have to become involved in their children's reading development if they want future generations of young people who have a zest for literature and a respect for books.

Dr. Jon Shapiro, an assistant professor in language education, believes that a child's experience with books and reading can start when he or she is only a few months old.

"What's essential," Dr. Shapiro says, "is that the experience continue on a regular basis and in a relaxed atmosphere even after the child has started formal schooling."

"A lot of parents stop reading with or to their children when they start their formal schooling. Add to that the competition of television and other modern-day digressions and it's little wonder that reading often takes a back seat."

Parents, however, must take care not to make pre-school reading time emotionally charged. "To many parents, a child who can read before he or she starts school is a status symbol."

"But some children are simply not ready for the mental processing that is necessary to interpret abstract symbols, which is really what words are. So they tend to become anxious and have negative feelings about reading in their desire to please mom and dad. But if kids aren't pushed too hard and see their

own parents reading for pleasure and relaxation, they'll approach the task of learning to read in a positive way."

Other ways of creating a positive attitude toward reading recommended by Dr. Shapiro are allocating the child his or her own bookcase where new books can be stored ("children have a highly developed sense of possession"), giving books as presents at birthdays and at Christmas and subscribing to one of the growing number of magazines for younger readers.

Research done by Dr. Shapiro in

recent years has indicated that many boys aged six to seven come to believe that reading is a feminine task which boys don't do. "It's interesting that at age three or four boys don't have that perception," he says.

He says this idea on the part of boys probably stems from two sources — many children are read to at home only by their mothers and most primary school teachers are women. Dr. Shapiro feels the problem can be overcome if boys are read to regularly by their father or a male relative or

friend.

Dr. Shapiro is quick to point out that despite the many barriers the schools do a remarkably good job of teaching children to read. "Only a very small percentage get off to a bad start," he says, "and those who have difficulties have remedial sources available to them."

And, he's pleased to add, things are changing in modern-day schools. The repetitive readers of the "See-Dick, See-Jane" variety are being jettisoned and new techniques are being introduced.

Science fiction popular with children

Sue Ann Alderson, an associate professor in UBC's Department of Creative Writing, has every right to feel a sense of pride in the accomplishments of the students who have taken her courses in the writing of children's literature.

In the five years that the program has been operating enrolment in the children's literature option — one of nine offered in the department — has doubled, at least three or four of her students have manuscripts accepted by publishers every year and the first two students to earn Master of Fine Arts degrees in children's literature will graduate in the spring of 1985.

UBC's program is unique in Canada, she said, to the extent that it includes the children's literature option in

programs leading to the degrees of Bachelor and Master of Fine Arts.

Ms. Alderson is herself more than just a teacher of writing techniques. She's had a total of eight children's books published — three in 1983 alone — one of which has been translated into French.

Commenting on trends in children's literature, Ms. Alderson says the most interesting current phenomenon for her is the healthy developing interest on the part of writers and publishers in fantasy, including meaningful science fiction.

"The Victorians produced didactic books for children," she said, "and until recently the emphasis was on children's stories that dealt with social problems, particularly the more sensational themes such as the drug phenomenon."

Ms. Alderson said the students who

enrol for her courses are almost all mature women who have had experience with children as school teachers, children's librarians, mothers or as members of the "helping professions."

In addition to working closely with the 27 students who are registered for her courses, Ms. Alderson said she tries to impress on them that the function of children's literature is to enlarge and enhance the child's imagination and enable him or her to be creative.

"Children," she said, "somehow have to master enormously complex external and internal worlds that are constantly changing. The best children's literature will be books, stories, plays and poems that will be useful to them in terms of enlarging their perspectives and feeding their imaginations, as well as coming to terms with life in general."

UBC CALENDAR

Calendar Deadlines

For events in the weeks of March 24 and 31, material must be submitted not later than 4 p.m. on Thursday, March 14. Send notices to UBC Community Relations, 6328 Memorial Road (Old Administration Building). For further information, call 228-3131.

Items for inclusion in the Calendar listing of events must be submitted on proper Calendar forms. Forms are available at the Community Relations Office, Room 207 of the Old Administration Building, or by calling 228-3131.

The Vancouver Institute

Saturday, March 9

Past and Present in the Morality of Politics. Sir Stuart Hampshire, Philosophy, Stanford University.

Saturday, March 16

Vision and the Brain. Dr. David Hubel, Neurobiology, Harvard School of Medicine.

Lecture Hall 2, Woodward Building, 8:15 p.m. Free admission.

MONDAY, MARCH 11 Cancer Research Seminar.

Aging and Carcinogenesis in Vitro: Do We Ask the Right Questions? Dr. L.M. Franks, Imperial Cancer Research Fund Laboratories, London, England. Lecture Theatre, B.C. Cancer Research Centre, 601 W. 10th Ave. 12 noon.

English Lecture.

Canadian Literature and the Fear of the Open Heart. Prof. Constance Rooke, English, University of Victoria. Sponsored by Committee on Lectures. Room B313, Buchanan Building. 12:30 p.m.

History Lecture.

Fast, Feast and Flesh: The Religious Significance of Food to Medieval Women. Prof. Caroline Walker Bynum, History, University of Washington. Sponsored by Committee on Lectures. Room A102, Buchanan Building. 12:30 p.m.

Mahlzeit.

An opportunity to hear and speak German. Everyone welcome. International House. 12:30 p.m.

Chemical Engineering Seminar.

Use of Finite Difference Methods to Solve Steady-State Problems in Conduction and Convection. Martin Fournier, Chemical Engineering, UBC. Room 206, Chemical Engineering Building. 1:30 p.m.

Mechanical Engineering Seminar.

Investigation of a Hydraulic Compressor. Ian Chang, Mechanical Engineering, UBC; and Interfacing the PUMA 560, the ORAC Lathe and the VAX 750 into a Manufacturing Cell. T. Max Kean, Mechanical Engineering, UBC. Room 1202, Civil and Mechanical Engineering Building. 3:30 p.m.

Commerce/Statistics Seminar.

ANOREX: Analysis of Randomized Experiments. Prof. William Welch, Commerce, UBC. Room 426, Angus Building. 3:30 p.m.

The Pedersen Exchange.

The Pedersen Exchange is cancelled today. The president normally meets with members of the University community to discuss matters of concern each Monday from 3:30 to 5 p.m.

Applied Mathematics Seminar.

An Introduction to the Regge Calculus. Dr. Leo Brewin, Physics, UBC. Room 229, Mathematics Building. 3:45 p.m.

Family and Nutritional Sciences Seminar.

Cardiac Changes in the Diabetic Rat. Dr. John McNeill, Pharmaceutical Sciences, Room 120, Family and Nutritional Sciences Building. 4 p.m.

Biomembrane Discussion Group Seminar.

A Conformational Mechanism of ATP Synthase. Dr. Rod Capaldi, University of Oregon. Lecture Theatre 4, Woodward Instructional Resources Centre. 4 p.m.

Sigma Xi (The Scientific Research Society)

Behavioral Science in the Criminal Justice System: The Case of Lie Detection. Prof. William Iacono, Psychology, Room 2510, Douglas T. Kenny Building. 4:30 p.m.

Zoology "Physiology Group" Seminar.

Studies on the Chemistry and Physiology of Salmon Growth Hormone. Dr. G. Wagner, Physiology, UBC. Room 2449, Biological Sciences Building. 4:30 p.m.

TUESDAY, MARCH 12 Medical Grand Rounds.

The Iceberg Phenomenon in the Elderly — The Titanic Awaits. Prof. Williamson, Geriatric Medicine, Edinburgh, Scotland. Lecture Theatre Room G279, Acute Care Unit, Health Sciences Centre Hospital. 12 noon.

Botany Seminar.

Hydrogen Ion Translocating ATPases in the Tonoplast and Plasma Membrane of Plant Cells. Alan Bennett, Vegetable Crops, University of California, Davis. Rom 3219, Biological Sciences Building. 12:30 p.m.

Science, Technology, and Society Studies Meeting.

A Policy for Cooperative Resource Management Based on Water. Dr. Yves Bajard, civil engineer and geologist, Watercount Systems, Ltd. Vancouver. Room D121, Buchanan Building. 12:30 p.m.

Merck Frosst Lecture.

Electron Transfer: A Unifying View of Reaction Mechanisms. Prof. Jay Kochi, Chemistry, University of Houston. Room 250, Chemistry Building. 1 p.m.

Electrical Engineering Seminar.

Networking and Cryptography. Prof. Jean Conan, Electrical Engineering, Ecole Polytechnique de Montreal. Room 402, Electrical Engineering Building. 1:30 p.m.

Cancer Research Seminar.

Are there Genes which Control Tumor Metastases? An Approach to the Problem. Dr. L.M. Franks, Imperial Cancer Research Fund Laboratories, London, England. Lecture Hall 1, Woodward Instructional Resources Centre. 4 p.m.

Zoology Seminar.

Making Moves: The Neural Control of Walking and Flying. Dr. J. Steeves, Zoology, UBC. Room 2449, Biological Sciences Building. 4:30 p.m.

Technology Transfer Series.

Last in a series of four presentations on technology transfer from UBC's physics department. Tonight's topic is PET at UBC: Multidisciplinary Exploration of the Brain in Health and Disease. Dr. Thomas Ruth, Imaging Research Centre, UBC. Cost is \$5 at the door. Robson Square Media Centre. 5:30 p.m.

Archaeology Lecture and Tour.

Shell Middens in Culture History: The Pender Island Site. Dr. Roy Carlson, SFU. Followed by tour of "Changing Tides." Refreshments. Theatre Gallery, Museum of Anthropology. 7:30 p.m.

Asia Lecture.

The Pacific Age and Japan: A Historical Perspective. Prof. Kimitada Miwa, director, Institute of International Relations, Sophia University. Sponsored by the Institute of Asian Research and Consulate General of Japan in Vancouver. Auditorium, Asian Centre. 8 p.m.

WEDNESDAY, MARCH 13 Pharmacology and Therapeutics Seminar.

Comparative Effect of Rauwolfscine, Prazosin and Phentolamine on Blood Pressure, Cardiac Output and Distribution. R. Tabrizchi, graduate student, Pharmacology and Therapeutics, UBC. Room 317, Block C, Medical Sciences Building. 12 noon

Noon-Hour Concert.

Music of J.S. Bach. John Sawyer, violin; Nan Mackie, viola da gamba; and Doreen Oke, harpsichord. Recital Hall, Music Building. 12:30 p.m.

Ethnicity and the Media.

Paul Wynn, host of the CBC series "The Canadians": "Images and Reality: Who Are the Canadians?" Room A102, Buchanan Building. 12:30 p.m.

Forestry Seminar.

A Productivity Model: Management, Measurement and Motivation. S. Conway, vice-president, Timberlands Scott Paper. Room 166, MacMillan Building. 12:30 p.m.

Urban Land Economics Workshop.

HOPSIM: A Policy Simulation Model. Richard Arnott, Economics, Queen's University. Penthouse, Angus Building. 3:30 p.m.

Geography Colloquium.

Changes in the Discharge of Selected Rivers in British Columbia. Gary Barrett, Geography, UBC. Room 201, Geography Building. 3:30 p.m.

Lipoprotein Research Group Seminar.

An Unusual Variant of Type III Disease. Dr. J. Frohlich, Roger McLeod, UBC. Colbeck Library, Room L-332, Shaughnessy Hospital. 4 p.m.

Geophysics and Geology Seminar.

Interactions with North America of Plates of the North Pacific Basin. Prof. Allan Cox, Geophysics, School of Earth Sciences, Stanford University. Room 260, Geophysics and Astronomy Building. 4 p.m.

Animal Resource Ecology Seminar.

Intertidal Mosaics: Patch Size, Propagate Availability, and Spatially Variable Patterns of Succession. Dr. Wayne Sousa, Zoology, University of California at Berkeley. Room 2449, Biological Sciences Building. 4:30 p.m.

Chamber Music Recital.

Tony Nickels, oboe; Michael Borschel, clarinet; John Gaudette, bassoon; Brian G'Froerer, french horn; Dennis Miller, tuba; John Rudolph, percussion; and Robert Rogers, piano. Recital Hall, Music Building. 8 p.m.

THURSDAY, MARCH 14 Geological Sciences Lecture.

Jurassic Paleo-Biogeography and Displaced Terranes. Prof. Paul Smith, Geology, UBC. Room 330A, Geological Sciences Building. 12:30 p.m.

Fine Arts Lecture.

Patterns of Patronage in Chinese Painting. Prof. James Cahill, Fine Arts, University of California, Berkeley. Sponsored by Committee on Lectures. Lecture Hall 6, Woodward Instructional Resources Centre. 12:30 p.m.

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UBC CALENDAR

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UBC Choral Union.

Durufle's Requiem and music by Bartok and Schütz. Jeffrey Campbell, director, and Patrick Wedd, organ. Recital Hall, Music Building. 12:30 p.m.

Job Search Strategies.

Job Hunting. Discouraged before you've started? Learn clues to finding unadvertised jobs, and survival techniques while hunting. Registration required in Brock 203. Room 106, Brock Hall. 12:30 p.m.

Condensed Matter Seminars.

Molecular Reorientation in the Alkali Hydroxides and Hydro-sulfides. Ken Jefferey, University of Guelph. Room 318, Hennings Building. 2:30 p.m.

Psychology Lecture.

Economy of Probabilistic Stress: Interplay Between Controlling Activity and Threat Reduction. Dr. Richard Neufeld, Psychology, University of Western Ontario. Room 2512, Douglas T. Kenny Building. 4 p.m.

Physics Colloquium.

The TRIUMF KAON Factory. Michael K. Craddock, Physics, UBC. Room 201, Hennings Building. 4 p.m.

Big Block Dinner.

Women's Big Block awards dinner. For more information, call 228-2531. Faculty Club. 6:30 p.m.

Special Lecture.

UBC's Centre for Continuing Education presents George Dyson, kayak builder, voyager and natural historian, who will speak on the history and development of the baidarka — a Russian adaptation of the Aleut kayak. Cost is \$6, pre-registration recommended. For more information, call 222-5207. Lecture Hall 3, Woodward Instructional Resources Centre. 7:30 p.m.

FRIDAY, MARCH 15 UBC Contemporary Players.

Stephen Chatman and Eugene Wilson, directors. Recital Hall, Music Building. 12:30 p.m.

Medical Genetics Seminar.

Retroviral Vectors for Gene Therapy. Dr. Dusty Miller, Fred Hutchison Cancer Center, Seattle. Parentcraft Room, Grace Hospital. 1 p.m.

Geological Sciences Lecture.

Design of Defences Against Debris Flows. Dr. Oldrich Hungr, Thurber Consultants Ltd. Room 330A, Geological Sciences Building. 3:30 p.m.

Linguistics Colloquium.

What's Common and What's Not Common in Phonological Change in Eastern Bantu. Derek Nurse. Room D224, Buchanan Building. 3:30 p.m.

Oceanography Seminar.

The Beaufort-Mackenzie Basin: Concepts in Hydrocarbon Exploration. Dr. Gary S. Holmes, Esso Resources, Calgary. Room 1465, Biological Sciences Building. 3:30 p.m.

Education Lecture.

Learning Cooperatively: Educational Strategies for Unsettled Times. Prof. David Johnson, Educational Psychology, and Roger Johnson, Curriculum and Instruction, University of Minnesota. Cost is \$10, \$7 for students. For details, call 222-5261. Lecture Hall 6, Woodward Instructional Resources Centre. 8 p.m.

UBC Choral Union.

Jeffrey Campbell, director, and Patrick Wedd, organ. Recital Hall, Music Building. 8 p.m.

SUNDAY, MARCH 17 UBC Wind Symphony.

Shostakovich's Symphony No. 5, and music of Jaeger, Persichetti and Wagner. Martin Berinbaum, director. Recital Hall, Music Building. 2:30 p.m.

Early Music Recital.

A Scarlatti Tricentennial Celebration, featuring Scott Ross. For more information, call 732-1610. Recital Hall, Music Building. 8 p.m.

Vancouver Society for Early Music.

Music of Scarlatti and His Contemporaries. Scott Ross, harpsichord. Ticket information: 732-1610. Recital Hall, Music Building. 8 p.m.

MONDAY, MARCH 18 Mahlzeit.

An opportunity to hear and speak German. Everyone welcome. International House. 12:30 p.m.

UBC Wind Symphony.

Shostakovich's Symphony No. 5, and music of Jaeger, Persichetti and Wagner. Recital Hall, Music Building. 12:30 p.m.

Chemical Engineering Seminar.

Within-Kiln Variability of Transmission Heat Losses. Franklin L. Laytner, Chemical Engineering, UBC. Room 206, Chemical Engineering Building. 1:30 p.m.

The Pedersen Exchange.

An opportunity for members of the University community to meet with President George Pedersen to discuss matters of concern. People wishing to meet with the president should identify themselves to the receptionist in the Librarian's office, which is immediately to the left of the main entrance to Main Library. 3:30 to 5 p.m.

Commerce Seminar.

The Kalman Filter and Its Application to Forecasting. Pat Ngan, graduate student, Civil Engineering, UBC. Room 426, Angus Building. 3:30 p.m.

Mechanical Engineering Seminar.

Combustion and Other Burning Issues. Prof. G. Karim, University of Calgary. Room 1202, Civil and Mechanical Engineering Building. 3:30 p.m.

Applied Mathematics Seminar.

Passive Protein Transport Across Fixed-Charged Barriers. Dr. Edward Mansfield, Mathematics and Physiology, UBC. Room 229, Mathematics Building. 3:45 p.m.

Family and Nutritional Sciences Seminar.

The Role of Nutritional Factors in Congenital Malformations. Dr. Judith Hall, Medical Genetics, UBC. Room 120, Family and Nutritional Sciences Building. 4 p.m.

Biochemical Discussion Group/ Chemistry Seminar.

Mechanism of Oxygen Activation by the Catechol Dioxygenases. Dr. Lawrence Que, Chemistry, University of Minnesota. Lecture Hall 4, Woodward Instructional Resources Centre. 4 p.m.

Zoology "Physiology Group" Seminar.

Ammonia Transport Across the Fish Gill: Are Perfused Fish Heads Really Worth It? Dr. D.H. Evans, Zoology, University of Florida. Room 2449, Biological Sciences Building. 4:30 p.m.

UBC Wind Symphony.

Martin Berinbaum, director. Recital Hall, Music Building. 8 p.m.

TUESDAY, MARCH 19 Botany Seminar.

Biological Limits of Tree Improvement. R. Silen, U.S. Dept. of Forestry, Corvallis. Room 3219, Biological Sciences Building. 12:30 p.m.

Chemistry Lecture.

Interfacial Inorganic Chemistry: Study of Reactive Intermediates in Organometallic Photoreactions. Prof. Mark S. Wrighton, Chemistry, MIT. Room 250, Chemistry Building. 1 p.m.

Oceanography Seminar.

The El Nino Southern Oscillation in Southeastern Australian Waters. Dr. William Hsieh, Oceanography, UBC. Room 1465, Biological Sciences Building. 3:30 p.m.

WEDNESDAY, MARCH 20 Pharmacology and Therapeutics Seminar.

Determinants of Ischaemic Arrhythmogenesis in the Rat. Dr. M.J.A. Walker, Pharmacology and Therapeutics, UBC. Room 317, Block C, Medical Sciences Building. 12 noon.

Forestry Seminar.

Fisheries-Forestry Interactions: Conclusions from the Carnation Creek Study. Dr. G. Hartman, Fisheries Research Branch, Pacific Biological Station, Nanaimo. Room 166, MacMillan Building. 12:30 p.m.

Noon-Hour Concert.

Music of Shostakovich and Strauss. Eric Wilson, cello, and Thelma Wilson, piano. Recital Hall, Music Building. 12:30 p.m.

Geography Colloquium.

Institutionalising Social Difference: The Canadian State and Vancouver's Chinatown. Kay Anderson, Geography, UBC. Room 201, Geography Building. 3:30 p.m.

Geophysics Seminar.

Near-Field Ray Tracing in a Two-Dimensional Inhomogeneous Acoustic Medium. Dr. Matthew Yedlin, Geophysics and Astronomy, UBC. Room 260, Geophysics and Astronomy Building. 4 p.m.

Animal Resource Ecology Seminar.

Ecological Determination of Territoriality in Bufflehead and Goldeneyes: Food, Nest or Sex? Jean-Pierre Savard and Gilles Gauthier, Animal Resource Ecology, UBC. Room 2449, Biological Sciences Building. 4:30 p.m.

Cinemawest.

Death of a Salesman. SUB Auditorium. 7:30 p.m.

THURSDAY, MARCH 21 Medical Grand Rounds.

Current Concepts of Diabetic Retinopathy. Dr. Donald Studney, Medicine, Health Sciences Centre Hospital. Lecture Theatre Room G279, Acute Care Unit, Health Sciences Centre Hospital. 12 noon.

Interview Techniques.

Prepare yourself to answer the questions. Registration required in Brock 203. Room 106, Brock Hall. 12:30 p.m.

University Singers.

Bach's Cantata No. 214, and Handel's Coronation Anthem. James Fankhauser, conductor. Recital Hall, Music Building. 12:30 p.m.

McDowell Lecture.

The New Angles, Dimensions and Images of Magnetic Resonance. Prof. Charles A. McDowell, Chemistry, UBC. Room 250, Chemistry Building. 1 p.m.

Condensed Matter Seminar.

Electron Spin Resonance in Quasi-One Dimensional TCNQ Compounds. Francisco Cabañas, UBC. Room 318, Hennings Building. 2:30 p.m.

Religious Studies Colloquium.

Three Stupas of Ch'angan. Prof. Shotaro Iida, Religious Studies, UBC. Room 604, Asian Centre. 3:30 p.m.

Leisure and Cultural Studies Seminar.

The Business of Pleasure: Making Sense of Victorian Music Halls. Peter Bailey, History, University of Manitoba. Penthouse, Buchanan Building. 3:30 p.m.

Tree Planting Ceremony.

Members of the 1985 graduating class will hold a tree planting ceremony at 3:30 p.m. at SUB plaza. A reception follows in the Party Room of the Student Union Building. 3:30 p.m.

Physics Colloquium.

Protein Quakes. Hans Frauenfelder, Physics, University of Illinois at Urbana. Room 201, Hennings Building. 4 p.m.

Biochemical Discussion Group Seminar.

Antigenic Variation and the Structure of Influenza Virus Hemagglutinin. Dr. Ian A. Wilson, Molecular Biology, Research Institute of Scripps Clinic, La Jolla, Ca. Lecture Hall 4, Woodward Instructional Resources Centre. 4 p.m.

Big Block Dinner.

Men's Big Block awards dinner. For more information, call 228-2531. Faculty Club. 6:30 p.m.

Student Recital.

Bernard Duerksen, piano. In partial fulfillment of the requirements for the M.Mus. degree. Recital Hall, Music Building. 8 p.m.

FRIDAY, MARCH 22 Hispanic and Italian Studies Public Lecture.

Fray Luis de León, Tradition, Imitation and Creation. Prof. E.L. Rivers, State University of New York at Stony Brook. Room A102, Buchanan Building. 12:30 p.m.

UBC Chinese Instrumental.

Alan Thrasher, director. Recital Hall, Music Building. 12:30 p.m.

Medical Genetics Seminar.

Moral, Ethical, and Legal Implications for Mother and Fetus of the Newer Technologies. Dr. Betty Poland, Obstetrics and Gynecology, Grace Hospital. Parentcraft Room, Grace Hospital. 1 p.m.

Hispanic and Italian Studies Symposium.

Baroque in Spanish and Italian Literatures. Fee is \$5 for faculty, \$3 for students. Registration is at 10:30 a.m. on Friday, March 22 in the Main Lounge of the Faculty Club. Registration forms and programs available through the Hispanic and Italian Studies office, Buchanan C258. The two-day symposium includes public lectures at 12:30 p.m. on March 22 and at 2:45 p.m. on March 23. Room B314, Buchanan Building. 3-6 p.m.

Linguistics Colloquium.

Passive, Middle and Pseudo Plurals. Alfredo Hurtado, Languages, Literature and Linguistics, SFU. Room D224, Buchanan Building. 3:30 p.m.

SATURDAY, MARCH 23 Hispanic and Italian Studies Public Lecture.

¿Góngora Anti-Gongorista? Prof. L.J. Woodward, Spanish, St. Andrew's College, Scotland. Room A202, Buchanan Building. 2:45 p.m.

Canada vs. U.S. Volleyball.

A rematch of last year's exciting Olympic men's volleyball semi-final match between Canada and the United States. The U.S. went on to win the gold medal while Canada finished fourth. War Memorial Gym. 5:30 p.m.

University Singers.

Bach's Cantata No. 214 and Handel's Coronation Anthem. James Fankhauser, director. Recital Hall, Music Building. 8:30 p.m.

Notices . . .

Lost and Found

The Lost and Found is located in Room 208 of Brock hall, telephone 228-5751. Hours are 12:30 to 4 p.m. on Mondays, 1:30 to 4:30 p.m. on Tuesdays, 12:30 to 2:30 p.m. and 3:30 to 4:30 p.m. on Wednesdays, 1:30 to 4:30 p.m. on Thursdays and 12:30 to 1:30 p.m. on Fridays.

Badminton Club

Faculty and staff badminton club meets Tuesdays 8:30-10:30 p.m. and Fridays 7:30-10:30 p.m. in Gym B of the Robert Osborne Sports Centre. New members welcome.

Bamfield Excursion

The Centre for Continuing Education is again offering the three-day field study program, Gray Whales and Sea Birds, at the Bamfield Marine Station on the west coast of Vancouver Island. Dates: March 29-31. Cost: \$235 includes bus transportation UBC/return, accommodation and nine meals. Tuition portion (\$105) of the total fee is income tax deductible. For further information, 222-5207.

Fine Arts Gallery

HYPOSTYLE: In Support of Culture, an installation by Greg Snider, is on display until March 16. Gallery hours are 10 a.m. to 5 p.m. Tuesday through Friday and noon to 5 p.m. on Saturdays. Free admission.

Hockey

Hockey players over the age of 50 are required for a UBC faculty-staff team. Anyone interested in venturing on to the ice should leave their name with Bob Hindmarch, Athletic Office, 228-4279.

Faculty Club Exhibition

Recent Water Colors by Victor Doray on display March 4 to 29

Museum of Anthropology

Music in the Great Hall. The Museum of Anthropology presents a series of musical presentations in the Great Hall on Sunday afternoons at 2:30 p.m. March 24 — Metroscope Cello Project; March 31 — Eighteenth Century Chamber Music for Two Flutes and Continuo; April 7 — Flute Concert of Chinese T'ang Dynasty Pieces and a Japanese Theatre Musical Composition. Free Identification Clinic. Bring objects from your collections to the museum for assistance with identification and conservation. Tuesday, March 26 at 7 p.m. Special Lectures. In conjunction with its exhibition Changing Tides, which focuses on the development of archeological research in B.C.'s Fraser Delta region, the museum is sponsoring the following special lectures: Shell Midden Layers and Coast Salish Settlement Patterns: New Ideas from the Investigation of the Crescent Beach and St. Mungo Sites, by Leonard Ham on March 26 at 7:30 p.m.; Prehistoric Lifeways at Ozette, by Prof. Richard Daugherty, Washington State University, on April 2 at 7:30 p.m.

First Class Mail

UBC Reports is published every second Wednesday by Community Relations, UBC, 6328 Memorial Road, Vancouver, B.C., V6T 1W5. Telephone 228-3131. Lorie Chortyk, editor, Jim Banham, contributing editor.

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