

UBC REPORTS

Volume 40, Number 17

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Gavin Wilson photo

Up, Up And Away

Most students find juggling classes, a part-time job and an active social life tough enough, but Iain Duncan (left) and James Hargrave really like to keep things up in the air. Duncan and Hargrave, members of UBC's newly formed juggling club, practise near the Ladner Clock Tower.

Researchers optimistic about MS clinical trials

by Connie Filletti

Staff writer

A team of UBC researchers will study a form of beta interferon as a treatment for multiple sclerosis (MS) in two international, multi-centre clinical trials funded by \$7 million from the Swiss pharmaceutical company Ares Sero Services S.A.

Previous studies by Dr. Donald Paty, head of the Division of Neurology in UBC's Faculty of Medicine and principal investigator of the team, indicate that treating MS patients with another form of the drug, interferon beta b1, reduces the activity of the disease.

Beta interferon is a naturally occurring anti-viral and immuno-regulatory substance.

"Our 1993 trial with interferon beta b1 showed significant therapeutic effect and clearly demonstrated that it was the only treatment that substantially altered the natural history of MS in a properly controlled clinical trial," Paty said.

Based on Paty's findings, the U.S. Food and Drug Administration approved beta interferon as a treatment for MS in September of last year.

MS is a chronic disease of the central nervous system which usually strikes between the ages of 20 and 40 and affects about one in every 1,000 Canadians.

Its symptoms may include weakness and fatigue, speech problems, numbness and loss of co-ordination.

The UBC team, in conjunction with researchers working at 30 centres throughout Canada, Europe and Australia, will study up to 1,000 MS patients during a four-year period.

About 120 of the patients will be enrolled in the clinical trials at UBC's MS Clinic, based at the Vancouver Hospital and Health Sciences Centre, UBC Pavilion.

One trial will involve patients with a relapsing-remitting history of the disease, or those who experience an attack of MS and then recover. The second trial will look at patients whose MS is in the chronic phase and steadily worsening.

Only patients with relapsing-remitting MS were involved in Paty's earlier trials with interferon beta b1.

In the new studies he will use REBIF, a more potent form than interferon beta b1. Patients will also receive double the

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Freedom of Information

Personal info safe under privacy act

by Abe Heffer

Staff writer

UBC will find itself performing a balancing act when the provincial Freedom of Information and Protection of Privacy Act is extended to universities this month.

The act, passed by the B.C. legislature in 1992, took effect in 1993 and initially covered more than 200 public bodies including all provincial ministries, Crown corporations, commissions and agencies. It states that any person has a right of access to any record in the custody or control of a public body, including records containing personal information about the person.

The legislation requires universities to balance the public's right to request information with the individual's right to privacy on personal matters, according to Tony Fogarassy, assistant to the associate vice-president, Academic.

"There is a lot of personal and private information that is often included in UBC documents. The university has an obligation to protect that information, as outlined in the act," he said.

"You have to be aware of what is, and what is not, personal information. Even the most innocuous question you give an answer to might contravene the act," he said, adding the act is very broad.

Fogarassy cited the example of someone who telephones the university, claiming to be the parent of a UBC student, and wanting to know if his or her child is registered. The person fielding that call would have to refuse to confirm whether or not the student was at UBC.

"That's the student's personal educational history. The person claiming to be a parent would need written consent from that student before a UBC employee could give out that kind of information," Fogarassy explained.

Under the act, personal information may be released only to the person the information is about, or with the written consent of that person, to a third party. Personal information must be used only for the specific reason it was collected and may not be used for purposes unrelated to its initial collection.

"People on the front lines have been concerned that there would be onerous sanctions put on them should they release the wrong information," said Fogarassy. "The act is not intended to interfere with the normal flow of university information and there is no liability

on the part of university employees.

"However, if you receive a written request that has a component of personal information in it, your antennae should go up right away, and you should refer the matter to the person in your area handling freedom of information issues."

Faculties and departments have been asked to appoint freedom of information co-ordinators, who will handle information requests and narrow the request as much as possible.

"We don't want to have to be in a position to rent a truck to facilitate a particular request," said Fogarassy. "There are provisions in the act to deal with people who may be on a huge fishing expedition, although such a request may be entirely legitimate."

For more information on the Freedom of Information and Protection of Privacy Act, phone the office of the associate vice-president, Academic, at 822-2451.

Personal Information

Under the Freedom of Information and Protection of Privacy Act, personal information may be released only to the person the information is about, or with the written consent of that person, to a third party.

Personal information means recorded information about an identifiable individual, including:

- the individual's name, address or telephone number;
- the individual's race, national or ethnic origin, colour, or religious or political beliefs or associations;
- the individual's age, sex, sexual orientation, marital status or family status;
- an identifying number, symbol, or other particular notation assigned to the individual;
- the individual's fingerprints, blood type or inheritable characteristics;
- information about the individual's health-care history, including a physical or mental disability;
- information about the individual's educational, financial, criminal or employment history;
- anyone else's opinions about the individual;
- the individual's personal views or opinions, except if they are about someone else.

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Letters

Logic skewed in traffic decision

Editor:

I write to protest against recent changes made in traffic patterns at UBC. East Mall, where I work, is now open to all comers and despite the freshly painted crosswalks, and laughable attempts at "speed bumps" (plastic disks half an inch high), has become a dangerous throughway cutting across one of the most frequently used pedestrian areas on campus—that between SUB and the bus station on one side and Main Library, the whole of the Arts faculty, and several of the science buildings on the other. A recent statement in *UBC*

Trials

Continued from Page 1

dose of the drug.

"We are hoping that the combination of a more potent form of beta interferon and a double dose may answer some very important questions about the drug," Paty said.

Specifically, he said that researchers will try to determine if REBIF is actually more potent and whether or not the increased dose will be more effective than the previously tested form.

UBC will also be the lead centre for performing the magnetic resonance imaging (MRI) analysis for all of the centres participating in the two clinical trial studies.

Ares Sero Services S.A. has contracted to pay the hospital an additional \$3 million for MRI scanning on the UBC patients which allowed the purchase of a new state-of-the-art MRI machine for this purpose. Funds for the machine were also provided by HYDREX, B.C. Hydro's employees fund.

MS patients between 18 and 60 years of age experiencing recent activity of the disease, and who would like information about participating in the clinical trials, may call 822-7511.

UBC business seminars open to faculty, staff

For the first time, UBC faculty and staff will be able to take advantage of seminars provided by Executive Programmes in the Faculty of Commerce and Business Administration at a 35 per cent discount, space permitting.

Interested employees should register with Executive Programmes at 822-8400 in order to be placed on a stand-by list. Admission can be confirmed by calling Executive Programmes not more than three business days prior to the start of the seminar.

The 1994-95 program schedule continues Oct. 24 - 26 with the Project Management Process Seminar. Other upcoming seminars will deal with professional development and personal advancement, interpersonal effectiveness, leadership development, financial management and human resource management.

Reports ("Mall access aimed at reducing traffic in core." Sept. 8) that the intent of the new arrangement is to "keep cars and trucks out of the core of campus" seems quite off the mark: since when does the area around the library, the student activity centres (including the pool) and the major academic faculties not qualify as the core of campus?

It is equally surprising to hear that (Campus Planning and Development's) major concern, according to what (University Planner Andrew Brown) apparently said to *UBC Reports*, was to get "cars off the Main Mall," since at least at the north end, the roof of Sedgewick Library has for many years performed that function very effectively. Besides, I have to question the logic here; why should allowing traffic on East and West malls be necessary or even helpful if one wants to keep cars off Main Mall?

Allowing more traffic on campus is in every sense a retrogressive step. At a time when environmental con-

sciousness has turned attention all over the world to the need to reduce traffic and the use of automobiles, UBC is happily bucking that trend. On what grounds can such a move be justified? There is, as well, a very real danger of serious accidents occurring, given the large number of pedestrians and cyclists who cross East Mall every day.

Finally, this step was taken, as far as I know, without any consultation with the people who would be most effected by it—those of us who work or study in the buildings bordering this new thoroughfare. Is this how planners operate these days, in sublime isolation, taking account only of systems, not people and what they actually do?

I hope (Campus Planning and Development) will quickly reverse this extremely bad decision, or at least engage in the consultative process that (it) should have initiated in the first place.

Anthony B. Dawson
Professor, Dept. of English

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UBC Library hopes for strong support of new Koerner Library

by Abe Heffer

Staff writer

UBC librarians and library staff will take a .400 average into this year's Annual Fund Faculty and Staff Appeal.

It's a statistic that would make even the most prolific baseball player green with envy.

Library staff hit the 40-per-cent participation rate last year, the highest on campus among faculty and staff campaigns, with most of their gifts going to the Library Collections Endowment Fund.

University Librarian Ruth Patrick is hoping for the same kind of commitment as the Library makes a special appeal for the funding of the Walter C. Koerner Library.

"The Walter C. Koerner Library is cur-

rently in its final stages of funding," said Patrick. "We will be asking librarians and management and professional staff to earmark their donation this year toward construction costs."

The Koerner Library will help address the urgent need for space for collections, users and staff. It will feature advanced information technology which will help users gain access to the library's world wide communications networks.

"A gift of \$250 to the Koerner Library will place your name inside a book. For a donation of \$500, your name will be placed on a book stack inside the new library. There are many ways to a lasting contribution with your donation," said Patrick.

The faculty and staff appeal, now part of the UBC Annual Fund, raised \$103,000 last year.

News Digest

Effective in 1995/96, applicants from Grade 12 to first-year engineering at UBC will be selected for admission based on their standing in Grade 12 courses in mathematics, physics, chemistry and English.

Previously, the admission grade point average was calculated on nine Grade 11 and Grade 12 academic subjects.

The procedure follows that of all other faculties and schools that admit students directly from secondary schools.

••••

UBC students will receive a longer mid-term Spring break beginning in 1996. Most faculties will cancel lectures and laboratories for one full week in February instead of taking a two-day break which is the current practice.

The decision, approved by Senate at its September meeting, applies to all faculties except Dentistry, Medicine, Law and the Teacher Education Programs. Almost all Canadian universities outside of B.C. take a full week off in the Spring term.

The change in the annual academic calendar will increase the length of stay of students living in campus residences who will be subject to a corresponding increase in costs, explained Dan Birch, vice-president, Academic and Provost.

He added that, in some years, final exams would extend into early May unless Senate reduced the period between the last day of classes and the first day of exams.

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Increases to undergraduate application processing fees and to application fees for professional programs were approved by UBC's Board of Governors at its October meeting.

Beginning with the 1995/96 academic year, B.C. students applying to the university's undergraduate programs will pay a \$20 processing fee, up from \$17.

As of next year's summer term, out-of-province applicants, including international students, will pay an additional \$30 document evaluation fee instead of the current \$25, bringing their total to \$50.

Revenue from undergraduate application fees goes to the university's general purpose operating fund.

B.C. students applying to professional programs in 1995/96 in the faculties of Medicine, Law, Dentistry, Education and Graduate Studies face application fee increases ranging from 5.1 per cent to 25 per cent.

The most significant adjustment occurs in the Faculty of Dentistry which has had fees lower than normal within UBC and relative to other universities. Students will pay \$50, up from \$40.

Out-of-province applicants to the Faculty of Dentistry who also paid \$40 will pay \$75.

Faculties charge application fees to offset costs incurred processing admissions to the professional programs.

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UBC's total enrolment figure for the 1994/95 winter session remains virtually unchanged from the previous year.

As of Sept. 6 there were 24,775 undergraduate students, 17 more than in 1993/94. Graduate enrolment stood at 6,373, down 77 students from last year.

More than 3,500 people applied to UBC's undergraduate and professional programs but did not meet the university's minimum requirements and 3,886 applicants were turned away who were qualified to attend the university.

Secondary school graduates applying for admission to UBC require a minimum C+ or 2.5 grade point average (GPA).

Students seeking to transfer to the Faculty of Arts from a B.C. college require a 2.65 GPA if they apply after their first year and a 2.5 GPA after their second year. Students from other institutions require 2.8 and 2.9 respectively for both second and third year.

"Certain schools and faculties require a higher GPA for admission and some may require a minimum standing in specific courses," said UBC Registrar Richard Spencer.

"Because of enrolment limitations, the academic standing required for admission to most programs is higher than the minimum published in the university calendar."



Charles Ker photo

Over We Go

Richard Spratley, director of Research Services, was one of 27 celebrity chefs who flipped nearly 750 flapjacks at the annual United Way Pancake Breakfast. The campaign has reached a third of its \$315,000 goal. Phone 822-0913 for campaign event information.

Top Czech hockey team to play in UBC tournament

by Abe Heffer

Staff writer

First division Czech hockey power H.K. Litvinov will compete in the 1994 UBC Bauer Classic, Dec. 28-30, at UBC.

Litvinov team alumni include Jiri Slegr of the Canucks and Josef Beranek of the Philadelphia Flyers of the National Hockey League. The team is coached by former Vancouver Canuck Ivan Hlinka.

"The Father Bauer Classic has always showcased the very best university hockey teams in North America," said UBC hockey Coach Mike Coffin.

"We feel this year's tournament contains the strongest group of teams we've ever hosted. The presence of a world-class European hockey club, as well as the Alberta Golden Bears and the York Yeomen, two teams with strong Canadian Interuniversity Athletic traditions, will make the tournament even more competitive and prestigious."

The T-Birds completed pre-season play with a 3-3-1 record, including a victory over the defending CIAU champion Lethbridge Pronghorns. They opened their 28-game Canada West schedule with 3-2 and 7-4 victories against the Saskatchewan Huskies last week.



Stephen Forgacs photo

Lift-off!

A rider takes flight during Mad Melvin's Mountain Bike Challenge near the Student Union Building Oct. 6. Thirty-four cyclists took part in the event.

Calendar

October 23 through November 5

Sunday, Oct. 23

Continuing Studies Lecture/Seminars

Writing Historical Fiction. Diana Gabaldon, author. University Golf Club from 10am-4pm. Call 222-5203.

Monday, Oct. 24

B.C. Cancer Research Centre Seminar

Proton Radiotherapy Project At TRIUMF. Dr. Uwe Oelske, Clinical Physics, B.C. Cancer Agency, Research Centre lecture theatre, 601 W. 10th Ave. at 12pm. Call 877-6010.

Plant Science Seminar

Solving The Puzzle Of Modelling Corn Growth In Sustainable Cropping Systems: New Aspects Of Root Behaviour And Leaf Area Development. Marie-C Fortin, Pacific Agriculture Research Centre (PARC). MacMillan 318-D at 12:30pm. Call 822-9646.

Asian Studies Graduate Student Colloquia

First of a series. Folk Religion And Sectarianism: Aspects Of Religious Change In Taiwan. Philip Clart, Asian Studies. Asian Centre 604 from 12:30-1:30. Call 822-3881.

Biochemistry Seminar

Chemical/Evolutionary Constraints On Antibiotic Inactivation: Lessons From A Superfamily Of Cats. Prof. W.V. Shaw, Biochemistry, U. of Leicester, UK. Woodward #4 at 3:30pm. Refreshments at 3:30pm. Call 822-9871.

Applied Mathematics Colloquium

Mathematics Of Extinction. Don Ludwig, Mathematics. Math 203 at 3:30pm. Call 822-4584.

Mechanical Engineering Seminar

Supercritical Water Oxidation Processes. Edward Hauptmann, Mechanical Engineering. CEME 1202 from 3:30-4:30pm. Refreshments. Call 822-6671.

Zoology Comparative Physiology Seminars

Cardiorespiratory Homeostats In A Dynamic World. Dr. Richard Hughson, U. of Waterloo. BioSciences 2449 at 4:30pm. Call 822-4228.

Commerce Seminar

Accounting And The Economics Of Information: Milestones And Millstones. Dr. Gerald Feltham, Commerce Academic Research Excellence Award winner, 93-94. Angus 210 from 4:30-6pm. Refreshments. Call 822-8488.

Zoology Comparative Physiology Seminars

Cardiorespiratory Homeostasis In A Dynamic World. Dr. Richard Hughson, U. of Waterloo. BioSciences 2449 at 4:30pm. Call 822-4228.

Tuesday, Oct. 25

Animal Science Seminar

Stress Response In Fish. Dr. George Iwama, associate professor, Animal Science. MacMillan 260 at 12:30pm. Refreshments. Call 822-4593.

Botany Seminar

Geology And Plants: The Missing Linkage. Dr. Arthur Kruckeberg, Botany, U. of Washington. BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

Centre for South Asian Research Seminar

Greening At The Grassroots: Confrontation Of Organizational Cultures And Knowledge Systems In Andhra Pradesh. Eva Robinson, SFU. Asian Centre 604 from 12:30-6pm. Call 822-3814.

Lectures in Modern Chemistry

Design And Properties Of Inorganic/Organic Nanocomposites With Mixed Electronic And Ionic Conductivity. Dr. Linda Nazar, Chemistry, U. of Waterloo. Chemistry 250, south wing at 1pm. Refreshments at 12:40pm. Call 822-3266.

Pharmaceutical Sciences Seminar

Stroke Prevention In Atrial Fibrillation. Carlo Marra, PhD student, Clinical Pharmacy. UBC Hosp. G-279 from 4-5pm. Call 822-4645.

Centre For Applied Ethics Colloquium

The Nuclear Energy Safety Debate: The Role Of Science And Values In The Assessment Of Technological Risks. Dr. Conrad Brunk, U. of Waterloo. Angus 413 from 4-6pm. Call 822-5139.

Graduate/Faculty Christian Forum

The Making Of Modern Scepticism: Darwin And Mechanism Against Purpose. Bart van der Kamp, Forest Science. Buchanan Penthouse at 4:15pm. Refreshments at 4pm. Call 822-3268.

Green College Lecture

Chinese Studies: Some Contributions To The Humanities. Daniel Overmyer, Asian Studies. Green College recreation lounge at 5:30pm. Call 822-8660.

Wednesday, Oct. 26

Orthopaedics Grand Rounds

Resection Arthroplasty Proximal Femur In Children. Dr. R.D. Beauchamp, speaker; Dr. S. Tredwell, chair. Eye Care Centre auditorium at 7am, Vancouver Hosp. Call 875-4272.

Forest Sciences Seminar

"Stagnation In Lodgepole Pine: Why I'm More Confused Than Ever." John Worrall, associate professor, Forest Sciences. MacMillan 166 at 12:30pm. Call 822-6019.

Wednesday Noon Hours

McIntosh The Stein Way. Diana McIntosh, performance artist. Music Recital Hall at 12:30pm. Admission \$2.50. Call 822-5574.

English/Creative Writing Reading

Poetry. Robin Skelton, Poet and fiction writer. Buchanan D-244 from 12:30-1:30pm. Call 822-0699/5743.

Centre for Southeast Asian Research Seminar

Rebels, Refugees And Resources: A View From The Thai-Burmese Border. Brenda Belak, Human Rights Specialist. Asian Centre 604 from 12:30-1:30pm. Call 822-4688.

Microbiology/Immunology Seminar

Protein Kinases And Phosphatases In The Signal Transduction That Initiates Development Of Bacillus Subtilis. Dr. Jim Hoch, Scripps Institute, La Jolla, CA. Wesbrook 201 from 12-1:30pm. Call 822-3308.

Geography Colloquium

Spatial Stories And Gendered Practices. Geraldine Pratt, Geography. Geography 201 at 3:30pm. Refreshments. Call 822-4929.

MOST Courses

Central Agencies II: Purchasing: An In-depth Look. Purchasing staff members. Brock Hall 0017 from 1-4pm. Refreshments. Call 822-9644. From Peer To Supervisor: Moving To Management. Maggie Hartley. Brock Hall 0017 from 9am-12pm. Refreshments. Call 822-9644.

Centre for Research In Women's Studies/Gender Relations Lecture

Environmentally Speaking: Where Have All The Women Gone? Rebecca Raglon, visiting scholar. Women's Studies Centre from 3:30-5pm. Call 822-9171.

Centre for Biodiversity Research Seminar

Metapopulation Dynamics: Theories; Evidence. Dr. Susan Harrison, Environmental Studies, U. of Calif., Davis. Family/Nutritional Sciences 60 at 4:30pm. Call 822-4239.

Green College

Interdisciplinary 19th Century Studies Colloquium. Doctors, Lawyers, And The Market. Wes Pue, Law; Patricia Vertinsky, School of Human Kinetics. Green College recreation lounge at 8pm. Call 822-8660.

Thursday, Oct. 27

MOST Course

UBC Workplace Policies. Libby Nason. Brock Hall 0017 from 9-11am. Refreshments. Call 822-9644.

Computer Science Seminar Series

First of 8. Mapping The Genome: The Mathematics Of DNA. Prof. Richard Karp, U. of Calif., Berkeley. CICS/CS 208 from 11:30-1pm.

Fine Arts Lecture

Michael Snow Talks About His Art. Lasserre 102 at 12:30. Call 822-2759.

Students for Forestry Awareness Lecture Series

Sustainable Forestry: Terms And Issues. Bryan Evans, Forestry consultant. MacMillan 166 from 12:30-1:30pm. Refreshments. Call 822-2727.

UBC International Forum Lecture

Second in Globalization/Fragmentation Series. The Global Village Disconnects. Ann Medina, independent producer. IRC #6 from 12:30-2pm. Call 822-9546.

Music Concert

Collegium Musicum. John Sawyer/Morna Edmundson, directors. Music Recital Hall at 12:30pm/8pm. Call 822-5574.

Lectures In Modern Chemistry

Development Of Submicron Periodic Materials For New Optical

And Spectroscopic Devices. Prof. Sanford Asher, Chemistry, U. of Pittsburgh, PA. Chemistry 250, south wing at 3pm. Refreshments at 3:40pm. Call 822-3266.

Economics Seminar

Mass Layoffs And Unemployment. J. Leahy, Economics, Harvard U. Buchanan D-225 from 4-5:30pm. Call 822-8216.

Continuing Studies Lecture

Warrior Queens: The Hand That Rocks The Cradle Is The Hand That Rules The World. Panel: Dr. Elizabeth Bongie, professor emerita, Classics; Gwyneth Lewis, MA, Classical Studies, Langara College; Dr. Caroline Williams, Archaeology and Dr. Rhoda Friedrichs, Arts Humanities, Douglas College. Lasserre 105 from 7:30-9pm. Call 222-5203.

Continuing Studies Lecture

Learning From The Oral Traditions. Steven Point, LLB Chief of the Sknowkale, First Nation; Darwin Hanna, Hlha7kapmx Nation, law student. Sty-Wet-Tan, First Nations Longhouse from 7-9:30pm. Call 222-5203.

Friday, Oct. 28

Pediatrics Grand Rounds

Clinical/Research Issues In Early Intervention. Dr. Mark Greenberg, professor of Psychology, U. of Washington, Seattle. GF Strong auditorium at 9am. Call 875-2307.

Pumpkin Master Carving Contest

To raise money for the United Way. Please participate and test your creative talents. Team effort encouraged. Please bring all carving tools and props. At the Bookstore from 11:30am-1:30pm. Call 822-2665.

Occupational Hygiene Programme Seminar

Quantitative Human Health Risk Assessment Of Contaminated Sites. Rhynder Zapf-gilje; Mike Rankin, Golder Associates, Vancouver. CEME 1202 from 12:30-1:30pm. Call 822-9595.

Law Seminar

Settling Aboriginal Land Claims: Experience In Australia And Canada. Prof. Margaret Stephenson, U. of Queensland; local speakers, Law. Curtis 102 from 2:30-5:30pm. Call 822-2335.

Chemical Engineering Weekly Seminar

Activated Sludge Treatment Of Kraft Mill Effluent. Steve Helle, grad student, Chemical Engineering. CEME 206 at 3:30pm. Call 822-3238.

Mathematics Colloquium

Random Walks: Simple And Self-Avoiding. Prof. Gregory F. Lawler, Mathematics, Duke U., Durham,

NC. Math 104 at 3:30pm. Refreshments at 3:15pm in Math Annex 1115. Call 822-2666.

Theoretical Chemistry Seminars

Thermodynamics Of Electric Double Layers. Dr. S. Levine, Chemistry. Chemistry 402, central wing at 4pm. Call 822-3997.

Anthropology Museum Exhibit Opening

Opening Celebrations For The Exhibit: We Sing To The Universe. Poems and drawings by Ron Hamilton. MOA at 7:30pm. Call 822-5087.

Saturday, Oct. 29

Vancouver Institute Lecture

The Craft Of Music. Prof. David Owen Norris, Royal Academy of Music, London. IRC #2 at 8:15pm. Lectures are free. Call 822-3131.

Monday, Oct. 31

Trick Or Treat For The Food Bank

Help needed in canvassing the homes of Point Grey and Kitsilano for non-perishable food items. Meet AMS members in SUB-212A at 6pm. Rides provided, costume optional. Call 822-5085.

Plant Science Seminar

Population Biology Of Powdery Mildew (Erysiphe) On Barley. Joe McDermott, ETH-Zurich. MacMillan 318-D at 12:30pm. Call 822-9646.

Mechanical Engineering Seminar

The Electric Utility Industry Current Context/Future Challenge. Conrad Guelk, manager, Corporate Strategic Planning Unit. CEME 1202 from 3:30-4:30pm. Refreshments. Call 822-6671.

Centre for Chinese Research Seminar

The Awakening Of China. Sheryl WuDunn, New York Times correspondent/Pulitzer Prize winner (shared with spouse) for coverage of the Tiananmen Square demonstrations. Asian Centre auditorium from 3:30-5pm. Call 822-3814.

Economics Seminar

Economic Dynamics With Learning: New Stability Results. Seppo Hankapohja, Helsinki U. Buchanan D-225 from 4-5:30pm. Call 822-8216.

Pharmacology Seminar

Simultaneous Patch Clamp And Fluorescent Studies Of CA²⁺ Regulation In Smooth Muscle. Dr. Vladimir Ganitkevich, Dept of Physiology, U. of Cologne, Germany. IRC 1, from 4:30-5:30. Call 822-5565.

UBC REPORTS

CALENDAR DEADLINES

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 November 3 issue of UBC Reports — which covers the period November 6 to November 19 — is noon, October 25.

Calendar

October 23 through November 5

Tuesday, Nov. 1

MOST Course

Delegating. Jan Heslop. Brock Hall 0017 from 9am-12pm. Refreshments. Call 822-9644.

Author Event

Rick Hansen will be autographing and speaking on his new book, *Going The Distance*. Angus 109 at 12:30pm. Call 822-2665.

Classics Lecture

The Roman Colosseum: New Light On An Old Building. An illustrated lecture by Prof. Jonathan Edmonson. History, York U. Lasserre 104 at 12:30pm. Call 822-2889.

Animal Science Seminar

Genetic Parameters And Breeding Plans For The Commercial Cultivation Of Pacific Salmon. Anne Winkelma, PhD student, Animal Science. Refreshments. MacMillan 260 at 12:30pm. Call 822-4593.

Graduate Student Society Seminar

Evaluations/First-Year Graduate Student: Anxiety About Grading: Double Standards In Performance Evaluation And Graduate Students. Prof. Martha Foschi. Sociology.GSC at 12:30pm. Refreshments. Call 822-3203.

Centre for Bio-Diversity Research Seminar

Effects Of Pollinators And Floral Morphology On Reproductive Isolation Among Species Of Ipomopsis (Polemoniaceae). Dr. Paul Wolf, Biology, Utah State U. BioSciences 2000 from 12:30-1:30pm. Call 822-2133.

Lectures in Modern Chemistry

Structural Studies Of Protein Phosphorylation/Protein-Protein Interactions. Prof. Rachel E. Klevit, Biochemistry, U. of Washington, Seattle. Chemistry 250, south wing at 1pm. Refreshments at 12:40pm. Call 822-3266.

Statistics Seminar

On A Threshold Autoregression With Conditional Heteroscedastic Variances. Dr. Jian Liu, Statistics. Angus 215 from 4-5:30pm. Refreshments. Call 822-0570.

Green College Lecture

Aboriginal Rights. Bryan Williams, Q.C., Swinton & Co. Green College recreation lounge at 5:30pm. Call 822-8660.

Rehabilitation Sciences Information Night

Speakers from faculty, admissions personnel and students. IRC #2 from 7-9pm. Call 822-7392.

Continuing Studies Lecture/Seminars

An Evening With George Littlechild. George Littlechild, First Nations artist, BFA Nova Scotia College of Fine Arts. Museum of Anthropology from 7:30-9pm. Call 222-5203.

Wednesday, Nov. 2

B.C. Transplant Society Medical Rounds

Results Of An International Study Of The Drug, Mycophenolate Mofetil. Dr. Paul Keown, professor Medicine. Vancouver Hosp. Taylor-Fidler Theatre from 12-1pm. Refreshments. Call 822-7219.

Microbiology/Immunology Seminar
Enterococcal Sex Pheromones And Plasmid Transfer. Dr. Don Clewell, Microbiology/Immunology, U. of Michigan, Ann Arbor. Wesbrook 201 from 12-1:30pm. Call 822-3308.

UBC Zen Society Lecture

Zen Practice. Zen Master, Takeo Hosaka. Buchanan D-110 at 12:30pm. Call 822-4086.

Wednesday Noon Hour Concerts

Eugene Skovorodnikov, piano. Music Recital Hall at 12:30pm. Admission \$2.50. Call 822-5574.

Geography Colloquium

Urban Effects On Precipitation: Is Conventional Wisdom A Myth? Geography 201 at 3:30pm. Refreshments. Call 822-4929.

Physics Colloquium

Low Temperature Physics: A New Frontier For The Quantum Mechanic. Richard Webb, U. of Maryland. Hennings 201 at 4pm. Call 822-3853.

Pharmacology/Therapeutics Seminar

Liposomal Therapeutics: From Artificial Pulmonary Surfactant To Long Acting Local Anesthetics. Dr. T. Madden, assistant professor, Pharmacology/Therapeutics. IRC #3 from 4-5pm. Call 822-5565.

Centre for Biodiversity Research Seminar

Food Hoarding In Tits And Chickadees: A Short Or Long-term Affair? Dr. Anders Brodin, Biodiversity Research Centre, Family/Nutritional Sciences 60 at 4:30pm. Call 822-4239.

Thursday, Nov. 3

MOST Course

Building Team Effectiveness. Gareth Wood. Brock Hall 0017 from 9am-4pm. Refreshments. Call 822-9644.

Mentoring Network Drop-In Lunch

Graduate Teaching: Getting Involved, Dianne Newell, History. Faculty Development lunch room (bsmt. of David Lam Building, rear outside entrance) from 11:30am-1pm. Refreshments. Call 822-0831.

Philosophy Colloquium

The Analysis Of Liberty. John Russell, Philosophy. Buchanan D-348 from 1-2:30pm. Call 822-3292.

Civil Engineering Seminar

The Use Of Semi-permeable Devices As A Monitoring Tool In The Fraser River. Prof. Hal Rogers, Civil Engineering. CEME 1215 from 3:30-4:30pm. Call 822-4833.

Faculty Development Seminar

A Triad Method For Promoting Student Participation In Problem-Solving. Tony Griffiths. Seminar Room, bsmt. of David Lam Building, rear outside entrance) from 3-5pm. Call 822-9149.

Microbiology/Immunology Seminar

Occupational Hygiene Issues In The Recycling Industry. Mr. Don Mazenkowski, Manager, Environmental Section, ETL Ltd., Surrey. CEME 1202 from 12:30-1:30pm. Call 822-9595.

Pediatrics Grand Rounds

Recent Advances In Dermatomyositis. Dr. Ross Petty, professor and head, Pediatric Rheumatology. GF Strong auditorium at 9am. Call 875-2307.

Health Care/Epidemiology Rounds
School-based Education For The Prevention Of HIV/STD In Adolescents. Dawne Milligan, RA, Institute for Health Promotion Research. Mather 253 from 9-10am. Free parking B-lot. Call 822-2772.

Friday, Nov. 4

Book Sale at the UBC Bookstore

Annual November Pre-Christmas Sale. Mon.-Fri., 8am-6pm. Continues until Nov. 19. Call 822-2665.

MOST Course

Building Team Effectiveness. Gareth Wood. Brock Hall 0017 from 9am-12pm. Refreshments. Call 822-9644.

Occupational Hygiene Seminar

Occupational Hygiene Issues In The Recycling Industry. Mr. Don Mazenkowski, Manager, Environmental Section, ETL Ltd., Surrey. CEME 1202 from 12:30-1:30pm. Call 822-9595.

Pediatrics Grand Rounds

Recent Advances In Dermatomyositis. Dr. Ross Petty, professor and head, Pediatric Rheumatology. GF Strong auditorium at 9am. Call 875-2307.

Notices

Student Housing

A new service offered by the AMS has been established to provide a housing listing service for both students and landlords. This new 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.

Grad Centre Activities

Wed. to A Latent Beat. Every Wed. at the Graduate Centre at 8:30pm. To find out more about Mon. movies, Tues. pool tourney, Thurs. coffee house and Fri. folk, call the hot-line at 822-0999.

Campus Tours

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

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.

UBC Libraries

Library branches and divisions will offer more than 100 training/tutorial sessions this 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.

Writing Course

The UBC Writing Centre offers a one-term non-credit writing course in language and composition to assist students preparing for 1st yr. English/LPI. Non-UBC students are welcome. Call 822-9564.

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.

Women Students' Office

Advocacy/personal counselling services available. Call 822-2415.

Research Study Volunteers Needed

Role Stress In Dual-earner Parents Of Pre-school Children. Wendy Hall, UBC School of Nursing. Participants will complete 2 short questionnaires only. Honorarium offered. Call 686-0877.

Acne Treatment Study

A new acne lotion vs. a proven acne medication. Volunteers not under doctor's care for acne, 25 yrs. or younger. 5 visits over 12-week period. Honorarium upon completion. Call 875-5296.

Psychology Study

Music/Mood Study. Comprised of 2 one-hour sessions, booked 2 days apart. Participants will be paid \$20 upon completion of both sessions. Kenny 1708. Call 822-2022.

Audiology/Speech Sciences Study

Volunteers needed with normal hearing, who are native-English speakers; 18-35 years old, with no previous instruction in linguistics to participate in a study of speech perception in noise. Honorarium paid. Call Anita at 822-5054.

Hearing Lab Study

Study Of Age Differences In Hearing And Communication. Senior (65+ years) and junior (20-25 years) volunteers are needed. Three one-hour appointments at UBC. Ex-

Statistical Consulting/Research Laboratory

SCARL is operated by the Dept. of Statistics to provide statistical advice to faculty/graduate students working on research problems. Call 822-4037.

Faculty and Staff Volleyball

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

Surplus Equipment Recycling Facility (SERF)

Disposal of all surplus items. Every Wednesday, 12-5pm. Task Force Bldg., 2352 Health Sciences Bldg. Call Vince at 822-2582/Rich at 822-2813.

Fine Arts Gallery

Presently on view, a Group Show of work by five graduates of UBC's Master of Fine Arts program. Open Tues.-Fri from 10am-5pm. Saturdays 12pm-5pm. Free admission. Basement of Main Library. Call 822-2759.

Nitobe Garden

Open daily from 10am-6pm. Call 822-6038.

Botanical Garden

Open daily from 10am-6pm. Shop In The Garden, call 822-4529; garden information, 822-9666.

Mathematics Colloquium
The Beta Transformation—A Simple Dynamical System. Prof. David Boyd, Mathematics. Math 104 at 3:30pm. Refreshments at 3:15pm in Math Annex 1115. Call 822-2666.

Economics Seminar

Slavery, Coerced Labour/Economic Growth. Stanley Engerman, Rochester, NY. Buchanan D-225 from 4-5:30pm. Call 822-8216.

Music Concert

UBC Symphony Orchestra with guest soloist, Michael van der Sloot, viola; Jesse Read, conductor. Old Auditorium at 8pm. Call 822-5574.

Saturday, Nov. 5

Vancouver Institute Lecture

A Boating Trip Interspersed With Ruins: Imagined Geographies Of Egypt. Prof. Derek Gregory, UBC Geography. IRC #2 at 8:15pm. Call 822-3131.

VanCity invites you to Celebrate NOW!

Networks Of Women *CONNECTING*
A GALA CELEBRATION OF 15 YEARS OF WOMEN'S NETWORKING IN BRITISH COLUMBIA
Tuesday, November 8, 1994 Hyatt Regency Hotel
Tickets \$80 (incl. GST) at TicketMaster outlets or charge by phone (604) 280-4444



UBC GAZETTE

The Board of Governors took the following action at its meeting held on October 6, 1994.

PROPERTY

The Board approved a Program Brief, dated September 1994, for the Creative Arts Centre Phase 1, as a basis for proceeding with further planning.

The firm of James K. M. Cheng Architects Inc. was approved as the prime consultant for the St. John's College project.

FINANCE

The policy on gifts was approved, and the President's procedures for implementation and administration were noted.

Approval was given to discontinue the Summer Session Association fee effective September 1, 1994.

The Board approved the increase of the undergraduate application processing fee from \$17.00 to \$20.00 and the additional evaluation fee for applicants presenting documents from outside B.C. from \$25.00 to \$30.00. These increases will commence with the Summer Term 1995. The

fees will be indexed to the general fee increase in subsequent years.

1995-96 Application Fee increases were approved as proposed.

The Endowment Deed for the Peter Wall Institute for Advanced Studies was approved.

POLICIES

The Board was advised that procedural changes had been made to the following policies:

- 1) Endowment Management
- 2) Licenses of drivers of vehicles on University business
- 3) Removal and travel allowances
- 4) Cash handling
- 5) Religious holidays
- 6) Appointment of graduate students to teach a course which requires the Board of Governors approval

ACADEMIC AND STUDENT AFFAIRS

On the recommendation of the Senate, the Board approved the following items:

- 1) New Awards
- 2) A name change from the "Chair in Cardiology" to the "Heart and Stroke Foundation Chair in Cardiology"

The Endowment Deed for establishment of the Social Sciences and Humanities Research Fund was approved.

APPOINTMENTS

1) The Board re-elected **Ms. Barbara Crompton** as Chair of the Board for a period of one year from December 17, 1994.

2) The Board ratified the appointment of **Dr. Raphael H. Amit** as Discovery Foundation Research Fellow for the period July 1, 1994 through June 30, 1999.

3) The following appointments to the Aquatic Centre Management Committee were approved:

Charles Slonecker - for the third year of a three-year term to March 31, 1995 (representing the community)

Leanne Jacobs - for the second year of a three-year term to March 31, 1996 (representing the University)

Michael Kelly - delegated by the Director of Athletics and Sport Services (no stated term) (representing the University).

The Board of Governors at its meeting of October 6, 1994 approved the following recommendations and received notice about the following items.

APPOINTMENTS

Michael D. Pitt, Associate Dean, Faculty of Agricultural Sciences, July 1, 1994 to June 30, 1996.

Derek Atkins, Associate Dean, Faculty of Commerce, July 1, 1994 to June 30, 1995.

Ethel Davis, Assistant Dean, Faculty of Commerce, July 1, 1994 to June 30, 1995.

Peter Frost, Associate Dean, Faculty of Commerce, July 1, 1994 to June 30, 1995.

Daniel G. Gardiner, Assistant Dean, Faculty of Commerce, Sept 1, 1994 to Aug 31, 1995.

Grace Wong, Assistant Dean, Faculty of Commerce, July 1, 1994 to June 30, 1995.

Susan B. Watts, Assistant Dean, Faculty of Forestry, July 1, 1994 to June 30, 1995.

Judith Myers, Associate Dean, Faculty of Science, Sept 1, 1994 to June 30, 1995.

George E. Kennedy, Acting Head, Department of Agricultural Economics, Sept 6, 1994 to Sept 30, 1994.

Sie-Tan Chieng, Acting Head, Department of Bioresource Engineering, July 1, 1994 to June 30, 1995.

Anthony Phillips, Head, Department of Psychology, July 1, 1994 to June 30, 1999.

John L. Benedet, Head, Department of Obstetrics & Gynaecology, July 1, 1994 to June 30, 1999.

Ronald Foreman, Acting Head, Department of Botany, July 1, 1994 to Dec. 31, 1994.

Ulrich G. Haussmann, Head, Department of Mathematics, July 1, 1994 to June 30, 1999.

Jennifer B. Wohl, Assistant Professor, Department of Agricul-

tural Economics, Jan 1, 1994 to June 30, 1998.

Ross J.P. King, Assistant Professor, Department of Asian Studies, July 1, 1994 (tenured).

Catherine A. Vertesi, Program Director, Continuing Studies, July 1, 1994 to June 30, 1996.

Susan Pirie, Professor, Department of Curriculum Studies, May 1, 1995 (tenured).

Wendy Wickwire, Assistant Professor, Department of Educational Studies, Aug. 1, 1994 to June 30, 1997.

David B. Tindall, Assistant Professor, joint appointment between Department of Forest Resources Management & Department of Anthropology & Sociology, July 1, 1994 to June 30, 1997.

Masao Nakamura, Professor, joint appointment between Institute of Asian Research, Faculty of Commerce, and Faculty of Applied Science, July 1, 1994 (tenured).

Daniel Pauly, Professor, joint appointment between Fisheries Centre and Department of Zoology, Oct. 1, 1994 (tenured).

Jutta Brunnee, Assistant Professor, Faculty of Law, July 1, 1995 to June 30, 1998.

Timothy O'Connor, Assistant Professor, Department of Anatomy, July 1, 1994 to June 30, 1997.

Carolyn Janet Brown, Assistant Professor, Department of Medical Genetics, Sept 1, 1994 to June 30, 1997.

Lorne A. Clarke, Assistant Professor, Department of Medical Genetics, July 1, 1994 to June 30, 1997.

Wendy P. Robinson, Assistant Professor, Department of Medical Genetics, July 1, 1994 to June 30, 1995.

Brian Conway, Assistant Professor, Department of Medicine, July 1, 1994 to June 30, 1997.

Barry Wiggs, Assistant Professor, Department of Medicine,

July 1, 1994 to June 30, 1997.

Shizu Hayashi, Assistant Professor, Department of Pathology, July 1, 1994 to June 30, 1997.

Timothy Murphy, Assistant Professor, Department of Psychiatry, June 1, 1994 to June 30, 1997.

Gary J. Redekop, Assistant Professor, Department of Surgery, July 1, 1994 to June 30, 1997.

Kai Behrend, Assistant Professor, Department of Mathematics, July 1, 1994 to June 30, 1997.

Douglas A. Bonn, Assistant Professor, Department of Physics, Sept 1, 1994 to June 30, 1997.

Christopher Hearty, Assistant Professor, Department of Physics, July 1, 1994 to June 30, 1997.

Wolfram Tetzlaff, Associate Professor, Department of Zoology, July 1, 1995 (tenured).

CANCELLATIONS

Eddy H. Chui, Assistant Professor, Department of Mechanical Engineering, Aug. 1, 1994 to June 30, 1997.

RESIGNATIONS

Diana Chan, Librarian, Faculty of Commerce, June 30, 1994.

Andrew Trice, Assistant Professor, Faculty of Commerce, May 31, 1994.

John J. Borrows, Assistant Professor, Faculty of Law, June 30, 1994.

David S. Cohen, Associate Professor, Faculty of Law, June 30, 1994.

Michael Bryer-Ash, Assistant Professor, Department of Medicine, July 31, 1994.

Anthony Morrison, Associate Professor, Department of Medicine, Oct. 31, 1994.

Gavin Thurston, Assistant Professor, Department of Ophthalmology, Aug. 31, 1994.

Jorge Daaboul, Assistant Professor, Department of Paediatrics, Aug. 31, 1994.

Classified

The classified advertising rate is \$15 for 35 words or less. Each additional word is 50 cents. Rate includes GST. Ads must be submitted in writing 10 days before publication date to the UBC Community Relations Office, 207-6328 Memorial Road, Vancouver, B.C., V6T 1Z2, accompanied by payment in cash, cheque (made out to UBC Reports) or internal requisition. Advertising enquiries: 822-3131.



The deadline for the Nov. 3, 1994 issue of UBC Reports is noon, Oct. 25.

Services

FINANCIAL PLANNING, Retirement Income, Life Insurance. Local, independent, personalized service with comprehensive knowledge at no cost or obligation. Integrating your financial needs to your own personal, professional association, group and government benefit plans. Please call Edwin Jackson BSc, BArch, CIF, 224-3540.

EDITORIAL SERVICES Substantive editing, copy editing, rewriting, dissertations, reports, books. I would be delighted to look at your manuscript, show you how I could improve it, and tell you what I would charge. Please call me for more information. Timothy King, 263-6058.

ACCENT REDUCTION, formal speaking skills and all areas of pronunciation for advanced levels. TSE preparation and practice starting Sept. 1994. Private, professional, intensive instruction. Downtown location. 689-5918.

TEACHERS' TUTORING Service, a collective of 600 qualified teachers, offers one-to-one tutoring, all subjects, all grades, throughout the Lower Mainland. Let us help you with your college preparation and university level courses. ESL a specialty. Tel. 736-1712, Fax. 736-0178.

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Accommodation

POINT GREY GUEST HOUSE A perfect spot to reserve accommodation for guest lecturers or other university members who visit throughout the year. Close to UBC and other Vancouver attractions, a tasteful representation of our city and of UBC. 4103 W.10th Ave. Vancouver, B.C. V6R 2H2. Call (604) 228-8635.

Housing Wanted

VISITING PROFESSOR and family seeking to rent a fully furnished 3 or 4 bedroom house during sabbatical January to June 1995. Prefer location close to UBC. (416) 738-8699 or (416) 979-5000 ext. 6357 or sliss@acs.ryerson.ca

HOUSE SITTER College Instructor will house sit during Christmas break. Dr. David Heinemann, 624-6054 ext. 5729 or 624-3353.



Gavin Wilson photo

Mon Oncle

Mon Oncle Regis, a ceramic sculpture by Joe Fafard, was among the pieces from the AMS art collection on display earlier this month at the Student Union Building gallery. The 64-piece collection, which features the work of Jack Shadbolt, Gathie Falk, Lawren Harris and others, is one of the best student collections of Canadian art in the country. Another exhibit, Jack Shadbolt: Drawings, will be on display in the UBC Fine Arts Gallery until Nov. 26.

Former UBC QB gets big break as Calgary Stamp's slotback

by Abe Heffer

Staff writer

At the 11-minute mark in the second quarter of a Sept. 16 Canadian Football League game between the Calgary Stampeders and the Las Vegas Posse, Vince Danielsen arrived.

At that precise moment, the Stampeders' starting slotback, Dave Sapunjis, went down with the football and came up with a broken collarbone, effectively ending his season, and sending Danielsen's career skyrocketing forward.

"Until the injury to Sapunjis, I was basically just the backup slotback, getting a lot of cleanup duty at the end of games," said Danielsen, who graduated from UBC last spring with a Bachelor of Human Kinetics.

"But everything's changed since then."

As the replacement for

Sapunjis against Las Vegas, Danielsen shook off the cobwebs of inactivity and came off the sidelines to record one catch in a 35-25 victory over the Posse. The following weekend, he hauled down three Doug Flutie passes for 50 yards in a 39-25 win over the Sacramento Gold Miners.

"Against Las Vegas I was just thrown into the game and was a little unsure of myself. I did all right. I messed up some assignments, but those things happen. As a professional, you just have to be ready. I felt a lot more comfortable

against Sacramento and was ready, both physically and mentally. I'm going to get better each week."

"I had to swallow my ego during my fifth year, and some people questioned my move. But I knew if I wanted to play professionally, I'd have a better chance as a receiver."

- Vince Danielsen

Danielsen has his work cut out for him. Sapunjis, the outstanding Canadian player in the CFL last year, is a hard act to follow. And it's not as though the 22-year-old Vancouver native has a wealth of pass-catching experience to draw from.

Danielsen joined the Stampeders as their number one

draft pick this year after excelling as quarterback at UBC. That's right. Quarterback. Danielsen didn't start catch-

ing footballs until his fifth year with the Thunderbirds. The decision to move to slotback was his.

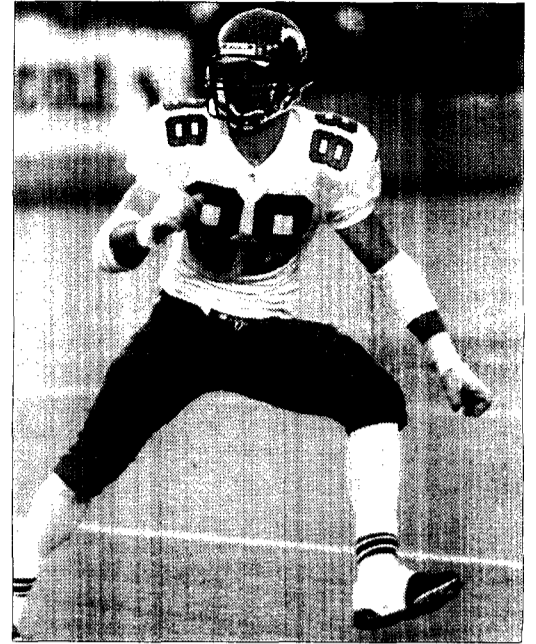
"I had to swallow my ego during my fifth year, and some people questioned my move. But I knew if I wanted to play professionally, I'd have a better chance as a receiver. Frank Smith and the rest of the UBC coaching staff

helped me tremendously during the transition."

By the time his career at UBC was over, Danielsen was an all-Canadian.

"It's almost as if I should have been in that position all along."

As a result of the injury to Sapunjis, Danielsen is now in a position to regularly catch passes



Calgary Stampeders photo

Vince Danielsen

thrown by Doug Flutie, arguably the number one quarterback in the CFL, on arguably the number one team in the CFL.

Although he wouldn't want to wish an injury on anyone, Danielsen realizes this is an opportunity to establish his professional career.

"I had resigned myself to the fact that this was going to be more of a learning experience for me. Dave hadn't suffered an injury in his entire career until the game against Las Vegas. But you get certain opportunities in life, and this is one that I plan to take advantage of."

In the meantime, Danielsen has Nov. 5 circled on his calendar, when the Stampeders travel to Vancouver for a game against the B.C. Lions.

Although Danielsen's not out to prove that he's the next Dave Sapunjis, he is looking forward to showing family, friends, former classmates and teachers that he has what it takes to play this game.

Crane Library users benefit from National Library grants

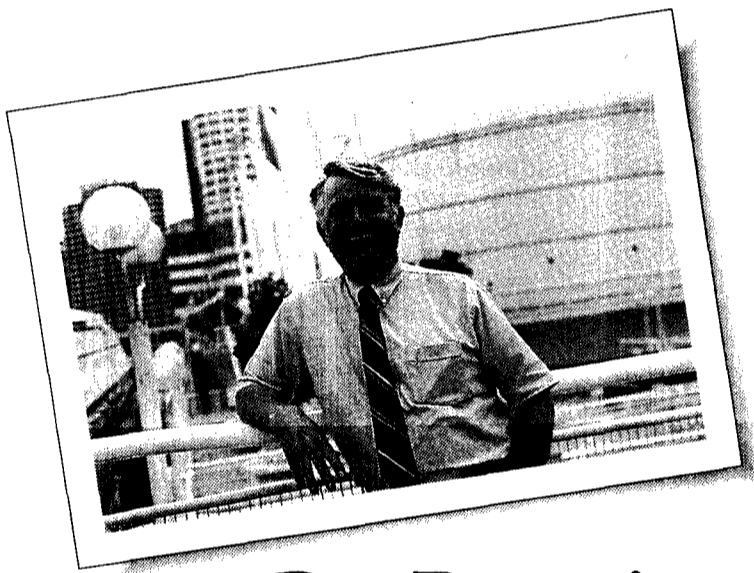
The National Library of Canada has awarded UBC's Crane Library and Resource Centre grants totalling \$6,570 toward the purchase of two new supportive technologies for non-print readers.

The first is an adapted computer workstation that permits the user to scan print documents and have them read back almost instantly with a synthesized voice. The computer is also equipped with an image enlarger, which allows partially sighted users to magnify screen information to suit individual needs.

This equipment allows a visually impaired student to bring class hand-outs, notes, articles, and other print documents to Crane and convert them to an accessible format such as voice, large type or braille.

The other device is a close-circuit television magnification system with colour monitor which can magnify colour graphics.

The grants, from the National Library's Adaptive Technologies for Libraries Program, cover 50 per cent of the total purchase price. The rest of the funding was made possible from individual and corporate contributions to the Crane Donations Fund.



Last year, Dr. Paty invited 4,500 friends to dinner. The result was \$9.2 million in economic benefits to British Columbia.

Dr. Donald Paty is a Vancouver resident and a long-standing member of the Canadian Neurological Society. So when the World Congress of Neurology was planning its 1993 convention, it was only natural that he suggest they consider Vancouver as the location. After two years of presentations and encouragement they agreed - and once again, British Columbia enjoyed the benefits of a major convention.

In fact, this event - only one of more than 35 conventions hosted by the Vancouver Trade & Convention Centre last year - generated a total economic impact of more than \$9 million. So by encouraging their colleagues and professional associates to consider Vancouver for major events, people like Dr. Paty are making an enormous contribution to our Province - and enjoying the satisfaction of playing host on a once-in-a-lifetime scale!

At the Vancouver Trade & Convention Centre, we applaud Dr. Paty and the many others who continue to play such a key role in helping us secure convention business - and we want them to know they're not alone! Our highly trained sales staff are available for consultation and assistance when opportunities present themselves - and our experience can help turn a challenging prospect into a very satisfying achievement.

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Coming soon to a video arcade near you: Games that teach kids math and science

by Gavin Wilson

Staff writer

It's a cliché of the Nintendo generation: a boy glued to the video screen, playing violent games, becoming increasingly antisocial and dropping other interests.

But that stereotype is not always accurate, say researchers involved in a major new initiative based at UBC that is exploring the potential use of computer and video games in education.

Their studies have found that, contrary to conventional wisdom, many girls enjoy playing electronic games, and boys who play are not loners without outside interests.

The studies were conducted by a research group called Electronic Games for Education in Math and Science (E-GEMS), a joint project of UBC's Depts. of Mathematics and Science Education and Computer Science and the Faculty of Education at Queen's University.

Spearheaded by Maria Klawe, head of the Computer Science Dept., E-

GEMS brings together scientists, mathematicians, educators, professional game developers, classroom teachers and children to learn more about electronic games and their potential in Grades 4 to 8 classrooms.

This team approach, and the fact that half of the project's members are female, makes the project unique, Klawe said.

The idea grew from her experience in the Scientists in the Schools program. She noticed that some children could master complicated video games yet be flummoxed by straightforward math questions.

To learn more about how children behave and learn with games, E-GEMS researchers set up a research lab at Science World in the summer of 1993. More than 10,000 children were observed while they played with various video and computer games and many were also interviewed.

The researchers found that girls were particularly interested in playing electronic games when it gave them a chance to interact with others. Girls also preferred games based on relationships.

"I think girls are interested in electronic games but they just don't have as many options," said Kori Inkpen, a PhD student in computer science, who supervised the research. "Most games are oriented toward the male market and are less appealing to girls."

E-GEMS research could help in the design of educational games that would be attractive to girls as well as boys, she added.

"We think it is important that both girls and boys feel comfortable with computers because they are so much a part of our society," Inkpen said.

Another E-GEMS study looked at commonly held views about boys and electronic games. Many believe that such games encourage boys to become solitary, aggressive, even violent. It is also feared that boys can become "addicted" to the games and neglect other areas of their lives.

"Some of that is out there, but what we saw contradicts much of what people believe," Inkpen said.

Researchers found that while violent games are popular, many boys prefer games that are mentally challenging instead. Some of the appeal of violent games may lie in their fast action rather than their violence, Inkpen said.

Researchers also noted little connection between antisocial behaviour and electronic games playing. Boys told them they rarely prefer to play alone. Boys interviewed also had a wide range of other interests.

Encouraged by these findings, E-GEMS members are developing a set of prototype games such as Monkey Math to see if they can successfully incorporate math concepts such as negative numbers and fractions into a fun and challenging game.

One of the students who was helping to design prototypes is Steve Leroux, an avid game player who recently graduated with a bachelor degree in computer science.

He knew that the E-GEMS prototypes can't compete with the pyrotechnics of commercial games, but he was excited about breaking new ground in the development of educational software.

"In most educational games, the learning component is not incorporated into the game, it's an add-on," he said. "We want to make it an integral part of the game."

Ann Anderson, an E-GEMS member and assistant professor in the Dept. of Mathematics and Science Education, said the game prototypes must have a lasting appeal for both boys and girls and an educational value that satisfies teachers.

"Whatever we produce, we want it to be used and used well. We can't ignore any of the stakeholders," Anderson said.

As part of that effort to ensure the games are well-used, one of the most important participants in E-GEMS is its corporate partner, Electronic Arts, a leading games manufacturer based in San Mateo, Ca.

The partnership with Electronic Arts is a true collaboration, with both sides learning from the other, said Rena Uptis, an associate professor in the Faculty of Education at Queen's University who is part of the E-GEMS team.

Electronic Arts can help E-GEMS increase the entertainment level of educational games, while the academics are critiquing games under development by the company, checking for educational content and how males and females are portrayed.

The first of these, a multimedia math game called Counting on Frank, has now been released.

Such a collaboration between academics and a games manufacturer is "a rare thing," said Uptis, who became involved in E-GEMS while on sabbatical last year in UBC's Dept. of Mathematics and Science Education.

E-GEMS is also working with researchers in three schools in Vancouver and one in Kingston, Ont., providing classrooms in Grades 2 to 8 with computers with CD-ROMs and various software.

This will help researchers get teachers' perspectives and see what works in the classroom when a wide range of software is available, Uptis said.

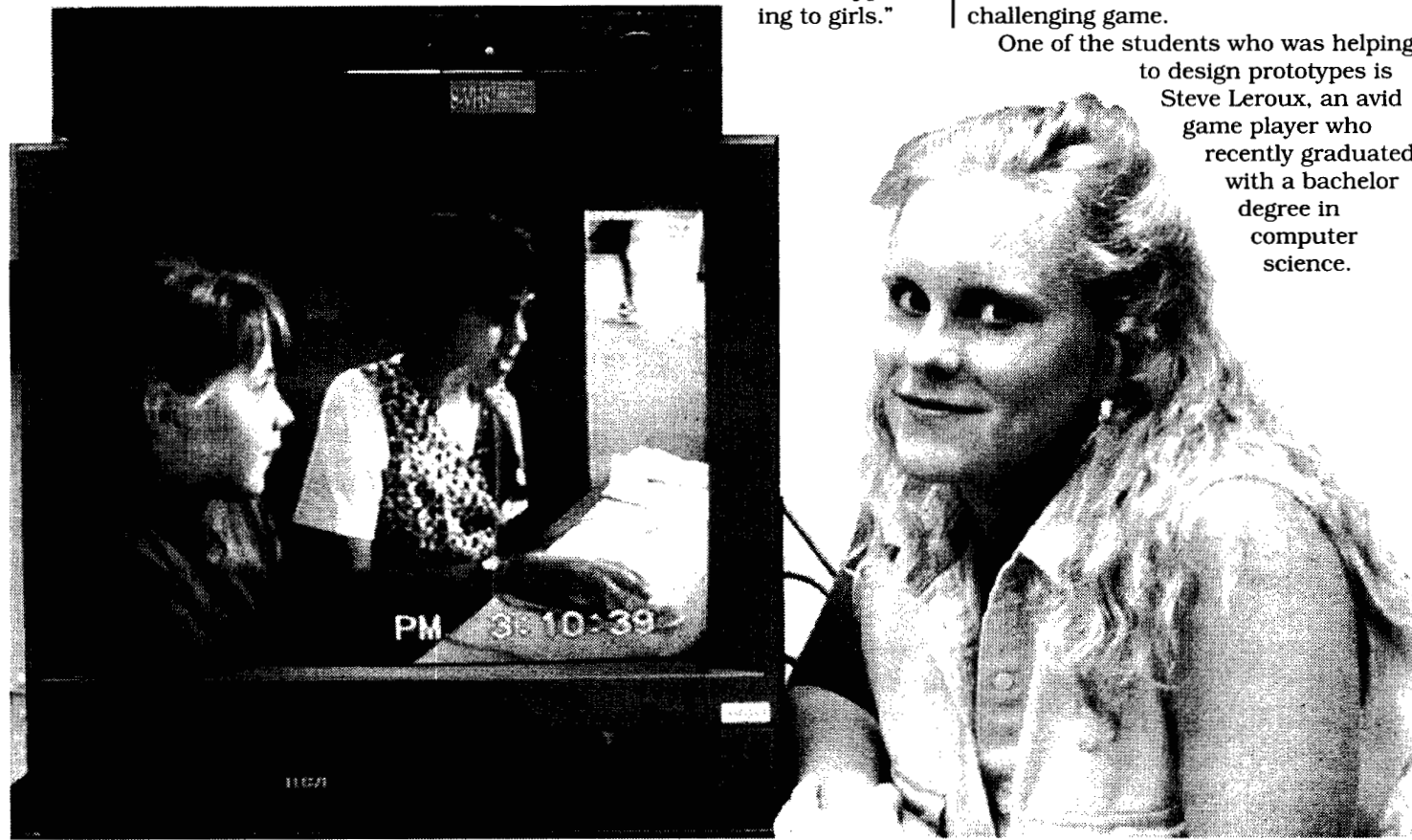
"I want to see what students naturally gravitate to and why," she said. Despite the obvious allure to students, both parents and teachers harbour deep suspicions about introducing electronic games to classrooms.

Even some of the E-GEMS researchers are "not sold" on the idea, Anderson said, although they believe it is a potentially fruitful avenue to explore.

"I'd like to take math, which children often say they don't like, and find every and any way we can make it meaningful and attractive to them," Anderson said.

"We're not trying to replace teachers with a computer. Research shows there is a need for human interaction if real learning is to occur."

But if electronic games are shown to be a positive force in attracting students to math and science, E-GEMS will be at the forefront of efforts to introduce them into North American classrooms.



Kori Inkpen, a PhD student in computer science, supervised a research lab that observed and interviewed thousands of children while they played video and computer games.

"I think girls are interested in electronic games but they just don't have as many options. Most games are oriented toward the male market and are less appealing to girls."

- Kori Inkpen