

NETWORK ALUMNI



We're here for you: Helping you network for your career

By Dustin Walker, UCC Fourth Year Journalism

Regardless of where you live, UCC alumni are just a mouse-click away.

The On-line Community (OLC) was launched Oct. 18 to help UCC graduates keep in touch, develop networking opportunities or connect with a career mentor. You can become a member of the community by visiting www.uccalumni.ca.

"We're finding that grads are moving away more than before to find jobs. Web access is one of the most efficient ways to stay in touch," said Victoria Baker, UCC Alumni's administrative assistant who administers the OLC program.

Not only are UCC grads connecting with each other, they can also contact career mentors and relocation advisors from 12 different universities across Canada, which are also using the OLC system. So far, nearly 30,000 students are signed up.

With so many people using the program, the OLC is a great way for grads to find advisors who are working in career fields that interest them, or they can become on-line advisors themselves.

"One of the great things about this program is that they can access career mentors who have graduated from an area not offered by UCC, such as doctors or lawyers," said Baker.

An OLC member can simply read a mentor's on-line profile to get a general idea of what that person's job entails or they can e-mail a mentor for more specific information about their profession.

Often when people find their dream-job, it happens to be in a city they know nothing about. The OLC can help grads face the fear of venturing into an unknown town with relocation and travel advice from people who live there.

There are 1,300 travel advisors who are happy to answer any questions about the city they live in. Alumni can even contact people from as far away as Hong Kong.

"It covers the entire country and some areas around the world as well," said Baker.

For grads who have already settled into a career, there is a business card exchange feature that allows alumni to post information about their business for other members to see. Alumni can also search the OLC for the services or products offered by grads.

Members can also create a UCC Alumni e-mail address that will forward any mail received at that account to the user's regular e-mail address. The Alumni account is permanent, and there's a wide range of address names available.

In addition to this, alumni can participate in on-line forums, search for classmates using the UCC Directory and send updates about themselves through the Pathfinder section. These updates could also be published in the Alumni Network Newsletter if sent to the Alumni Association office.

Later this year, members will be able to take advantage of even more OLC features.

"One of the things we're working on is an on-line chat feature, so alumni will be able to connect in real-time with their UCC friends and classmates and save some money on phone calls," said Baker.

A job-posting section has also been added, which will allow grads to search for jobs through the UCC Student Employment Centre, including student and graduate job postings.



The OLC Network was created by the Alumni Affairs office of the University of Victoria in 1998. Last year, it was customized for UCC students and graduates.

UCC Chapter Network social: coming to your community



Network with alumni, enhance your professional skills or just keep in touch with grads in your community by joining the UCC Alumni Chapter Network.

The first two UCC Alumni Chapters were developed this past fall and about 50 people came out for the Kamloops chapter meeting at Fogg n' Suds restaurant. In Williams Lake, a handful of grads met at Giorgio's.

"We've had really good feedback from both groups," said Nancy Plett, Alumni Association executive director.

A chapter meeting can be a simple get-together or a formal way to develop skills through volunteer work, mentoring or networking.

"It's up to the group to decide what they want to do," said Plett. "It can be a professional opportunity or a social thing."

Although Kamloops and Williams Lake have the highest numbers of UCC grads, the association's focus on chapter development isn't limited to the Thompson and Cariboo regions. Next year, two new UCC chapters will be created in Kelowna and Vancouver. In 2004, there's potential for chapter development in Victoria and possibly in Asia.

The Alumni Association is also working on a professional development speaker series for alumni to talk about their professions and give advice to those thinking about similar careers.

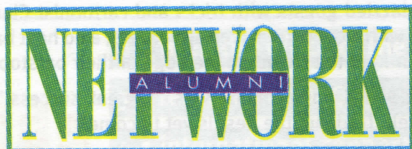


Alumni listen to guest speaker UCC President Roger Barnsley (left) at a chapter meeting in Kamloops



Those interested in starting an Alumni Chapter in their community can contact Plett at 828-5267 or e-mail nplett@cariboo.bc.ca. The association will help with some of the initial costs and with contacting people, but ultimately those involved in a chapter will run it.

"We'll help get them up and running, but eventually we want them to run on their own. What we will do is work with the groups to help them find where alumni are and provide some financial assistance," said Plett.



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Chinnama Baines, Dean of the School of Nursing, and Distinguished Alumni Award Recipient Charlene Yow, Bachelor of Science in Nursing '97



UCC Distinguished Alumni Awards, 2002

Deserving alumni honoured for contributions

By Dustin Walker, UCC Fourth Year Journalism

The UCC Distinguished Alumni Awards, which recognize graduates who have made significant contributions to their profession or community, have selected two worthy recipients this year.

The Alumni Association honoured Charlene Yow for her service to the community as a registered nurse and Patrick Hogan for his professional achievements in the field of respiratory therapy during a luncheon Nov. 7.

Alumni can be nominated for the award in one of seven categories: academic achievement, arts and culture, athletic achievement, professional achievement, public service, service to the community or service to the university college.

Hogan was nominated by his instructors in the Respiratory Therapy program for undertaking volunteer work in his hometown of Moncton, N.B., and across Canada.

"Receiving the award was quite an honour, especially because the nomination came from my instructors," said Hogan, who graduated in 1991.

"I'm very thankful for the award, I think it's great that the Alumni Association honours people for their work."

Hogan is now the owner of Ford's Allcare Home Health Centre in Moncton. He admits that it "feels a little strange" to be recognized for doing what he believes is an important part of the respiratory therapy profession.

"I just wanted to be actively involved: I believe in my profession." Patrick received the Clinical award for top student in his program in 1991. Patrick has provided leadership in his field, serving as president in both the provincial and national Association of Respiratory Therapists. He has served as a board member on both the Newfoundland and Labrador Lung Association and the Canadian Board of Respiratory Care, holding two portfolios at once.

Charlene Yow, who was honoured for her work in aboriginal communities, also believes in what she does.

She graduated from the nursing program in 1997. Charlene was enthralled by what she learned in her time at UCC and realized that with her education she could help improve the over-all health of First Nations communities.

"When I was doing my degree, all the stuff I was studying reflected what I saw happening: the literature came alive."

She now works for the Friendship Centre, one of four aboriginal health centres in B.C. She also sits on various advisory boards, such as the Kamloops Sexual Assault Centre's board of directors.

Like Hogan, Yow was grateful for the award, and even a little surprised.

"It was very humbling, there are so many grads from UCC. Once I started to think about the significance of the award, I felt very honoured."

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Where are they now

Former UCC student Kevin Kerr honoured with Governor General's Award

By Dustin Walker, UCC Fourth Year Journalism

Kevin Kerr never imagined he would become an award-winning playwright back in 1989 when he was finishing an Associate of Arts diploma at UCC.

Now, his play *Unity* (1918) has won him the 2002 Governor General's Award and a potential spot in Canadian literary history. The Governor General's Award is one of the most distinguished literary awards in Canada and is worth \$15,000.

"I was quite thrilled that I even got the play published," said Kerr, who lives in Vancouver. "Receiving the nomination (for the award) was a bit of a shocker."

He attended UCC before it offered undergraduate degrees. After obtaining his diploma he continued his schooling at UBC and became a co-founder of the Electric Company theatre group in 1996. But he still remembers how his time at UCC influenced his goals.

"My education path was pretty instrumental. I discovered that theatre was something I was passionate about."

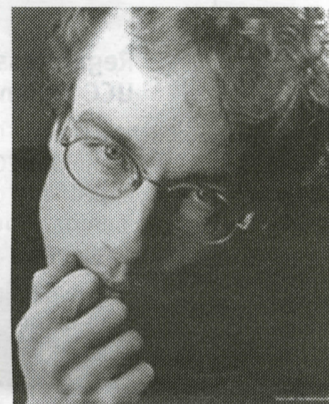
Kerr didn't always have his sights set on theatre. Although he did some acting while attending high school and UCC, he also considered a degree in sociology. But before heading to Vancouver, Kerr realized where his true interests were.

"The first real play I wrote was at UCC in a creative writing class. Back then, it was one of those rare courses that only appeared something like every 11 years," said Kerr, who is the son of longtime UCC employee Carol Kerr. "So when they offered it, I jumped on it. The drama part of the course was taught by David Edwards ... His influence in my time at UCC pretty much convinced me to keep going down that path."

Unity (1918) tells the story of how people in a small Saskatchewan town deal with the threat of the lethal Spanish Flu epidemic in 1918. Although set in a time of death, Kevin says the play celebrates life.

Kamloops residents will be able to see the play from Jan. 23 to Feb. 1, during its run at Sagebrush Theatre. Kevin is very excited to be giving a hometown production of his award-winning piece.

"I really am. It's the second production, and it's a big one in that it's giving the piece credibility and sustaining the power to appear in different productions."



UCC Alumni Events



Alumni and faculty socialize at the President's Reception



reunions!

Animal Health Technology graduates are invited to attend a reunion celebrating 20 years of the AHT program. The event is being held in conjunction with the BCAHT Convention April 3-5, 2003 at UCC in Kamloops. For more information, please contact Wayne Hollingshead at (250) 828-5178 or hollingshead@cariboo.bc.ca or Pat Cutler at (250) 828-5176 or pcutler@cariboo.bc.ca

The Cariboo Child Care Society is celebrating its 30th anniversary in 2003. In recognition, they will be having a few special events over the course of the year. They invite all current and former CCCS staff, families and children, and ECE faculty and students to contact them so that they can keep you posted about the upcoming fun activities. They are hoping to hear from everyone, even if you no longer live in Kamloops. Watch for more information in future newsletters. Please contact Susan at shammond@cariboo.bc.ca, or Helen at daycare@cariboo.bc.ca, or call the CCCS office at 828-5160.

The Alumni Association staff can provide financial and planning assistance to UCC alumni, faculty or students who wish to organize class or program reunions. Contact the Alumni Association at (250) 828-5267 or alumni@cariboo.bc.ca for more information.

The University College of the Cariboo Homecoming 2002

Homecoming 2002 welcomes grads

By Dustin Walker, UCC Fourth Year Journalism

Dozens of grads returned to the UCC campus last fall, but they weren't there to take a refresher course.

Their sights were set on the first annual Alumni Homecoming weekend, which took place Oct. 18 and 19 and attracted about 65 people who were all anxious to catch up on old times.

"We wanted to bring alumni back to the UCC campus and reconnect them with their alma mater," said Victoria Baker, Alumni Association administrative assistant.

The event kicked off with a President's Reception, which featured mouth-watering dishes from the Professional Cook Training program, live entertainment, and a Sun Peaks vacation give-away.

UCC President Roger Barnsley was in attendance to give the graduates an update on what was happening within the UCC community.

The next day, people gathered at Heroes for the Alumni Pub Reception. Magician Brad Finnen dazzled guests with tricks and cartoonist Clark Park captured each alum's profile with a caricature. Free appetizers, a no host bar and prize giveaways every half hour kept the crowd on the edge of their barstools.

Although last year's homecoming was "a great success," according to events assistant Angela Trudeau, the best is yet to come.

"We want to build a tradition of annual homecomings at UCC," said Trudeau. "The really big one will be in 2005, which is the institution's 35 year anniversary."

But even next year's homecoming is due to be a larger event. Alumni staff is focused on bringing graduates back to UCC so they can rediscover their educational roots. To do this, they're making future homecomings better with more events, prizes and activities. Invitations will be sent out to alumni before next year's homecoming.

insideucc

The University College of the Cariboo's Comprehensive News Magazine



Role Model

UCC Campus Plan evolves with internal and external approach

As UCC continues to progress toward an emerging, comprehensive university, the institution has focused efforts on a new Campus Plan that will also build on its attributes as a key economic generator in the surrounding region.

The first UCC Campus Plan was created in 1991 and was set out in phases tied to enrollment. Phase 1 was designed to support about 7,000 students, Phase 2 would accommodate 9,000 students and Phase 3 would top enrollments out at 11,000. Location and general appearance of major construction projects at UCC have been driven by that 1991 plan and in the past decade developments such as the Campus Activity Centre, Trades and Technology building, the Old Main expansion and the Animal Health Technology Centre have come to be.

Now, with annual enrollments at the 9,000 mark, UCC is capitalizing on the strengths of the existing campus plan and will proceed with an updated blueprint that reflects the requirements of a full-fledged university, said Adrian Kershaw, project coordinator for the new Campus Development Plan.

"The key issue emerging is that this will be a very different plan from the one made in 1991. The 1991 plan was very internally focused. Because of UCC's emerging role we've

come to realize a new campus plan must take an external perspective as well as an internal one so that the university can continue to grow and evolve successfully."

A good example of this new external orientation to the university's campus planning can be found in the McGill Corridor project, which was completed last year.

"The McGill corridor is critical to us because it's our front door," said Kershaw. "We collaborated with the city and local businesses to bring about rezoning and new design guidelines for McGill Road and the adjacent neighbourhood."

Those new standards will be folded into KamPlan, the official community plan, in coming months.

It's anticipated these changes will help pave the way for future commercial and residential expansion along the corridor that would benefit the UCC community. One of the first upgrades to the area is a planned eight-bay transit terminal on campus that would serve as a public transport interchange.

"That improvement is tied together with the way we will manage parking on campus. Over the long run, we want to encourage the university community to use public transit to reach campus as much as possible. The alternative is to pave more parking lots and we don't want to do that," said Kershaw.

Internally, one of the institution's top priorities is to further expand and update UCC's infrastructure — an essential move if the school is to make the most of its strengths in research and programming.

With that in mind, a key decision must be made on whether to develop out onto UCC benchlands as was called for in the 1991 plan, or to infill.

In an effort to make a responsible decision, UCC has hired Stantec Architecture Ltd., to assist in adjusting the existing plan. As part of the process, Stantec, an international firm with offices throughout Canada, will

generate outlines for three new development phases of 10,000, 13,000, and 16,000 students. Stantec has also been asked to update and expand landscape design guidelines.

"Over the next 10 years or so we may well have a 15 per cent increase in enrollment. We are using 10 years as a marker, but don't know for sure how long it will take to reach those projected numbers of students," said Kershaw.

Continuing with a staged plan tied to increasing enrollment will help guide decisions on self-financing new buildings, applying for funding and other initiatives that will help the institution grow and prosper.

One project that is moving forward within the new plan is the \$11 million UCC International Building, a self-financed initiative by UCC to increase classroom space for all students as well as to add office and leisure space to the campus.

Another project that could soon follow is the planned Learning Commons, which will serve as a library and resource space for students as well as put into place other services necessary to increase UCC's potential as a comprehensive university.

"We are also working toward improving campus life," said Kershaw. "With our expanding role as a research university and the potential for graduate studies, we are not only looking at the single student anymore. We are looking at graduate students and families, as well as more single students living on or close to campus. Improving campus life and all the amenities that go with it will be a key initiative."

"Over time we will gradually move away from solely being a commuter campus, so enhancing campus life and student amenities will become critical in the coming years."

A campus plan advisory committee was created to help guide the development of the plan and will provide input and advice to consultants during the process. The committee includes UCC faculty members, students, support staff, administration, city and business officials, UCC alumni and board members.

It's expected a final version of the plan will be ready by this March.



New VPs help shape UCC's future direction

UCC has announced the three successful candidates for the Associate Vice-President positions the institution is incorporating into its executive structure.

Dr. Colin James, Dean, Faculty of Science, is Associate Vice-President, Academic, Dr. Alastair Watt, Director of Institutional Research and Planning, is Associate Vice-President, Planning and Administration and Dr. Tom Dickinson is the successful candidate for the position of Associate Vice-President, Research.

Dr. James obtained his Ph. D. at Keele University in Staffordshire, U.K., and later came to Kamloops where he taught chemistry at UCC from 1981 to 1988. He has administrative experience as a Chairperson, Associate Dean, Interim Dean and Dean in the Faculty of Science.

He has been involved in numerous internal and external committees over the years and currently chairs UCC's Education Program and Planning Review Committee as well as being a member of Education Council, Administration Council and chairs the Institutional Designations Committee.

Provincially, he chairs the B.C. Council of Academic, Career and Technical Deans and is appointed to the Health Educators Working Group. He began his new position on Jan. 2 and is working on a smooth transition plan for the Faculty of Science Dean position.

Dr. Alastair Watt, Director of Institutional Research and Planning, was named as Associate Vice-President, Planning and Administration on Jan. 14 and will begin his new position Feb. 1.

Dr. Watt obtained his Ph.D. from the University of Exeter, U.K., and a M.Ed. (Higher Education) from UBC in 1990. He joined UCC in 1974 and taught English from 1974 to 1985. He was the Chairperson of Communication Arts between 1981 and 1985 and has had administrative experience as a Chairperson, a Coordinator, an Associate Director, and as Director of Institutional Research and Planning.

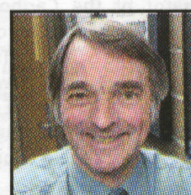
He has been involved in numerous internal and external committees over the years, Three-Year Educational Plans, UCC Strategic Plan 2000-2005, UCC Planning Taskforce 1995-1996, UCC Strategic Plan 1991-1994, Program Reviews and Evaluations (84), Institutional Audits (UCC, Douglas College and College of New Caledonia), as well as numerous provincial committees associated with planning and accountability.

Dr. Tom Dickinson obtained his Ph.D. at the University of Pennsylvania and came to Kamloops to teach Biology in 1989, which he continues to do.

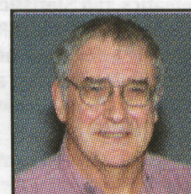
Dr. Dickinson is a respected researcher at UCC and has been directly involved with the development of many of the services that support researchers at UCC, including Scholarly Activity Committee grants, the research officer position and the development of library resources.

He has direct knowledge of federal and provincial funding agencies, having successfully worked with NSERC and SSHRC and other agencies in obtaining research grants and recognition for himself, students and The University College of the Cariboo.

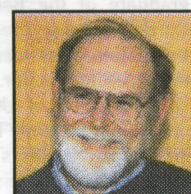
Dickinson was successful in working with others to obtain the institutional eligibility for UCC with the Canada Foundation for Innovation. Provincially, he has extensive experience working with the B.C. Science Council granting agencies, Forest Renewal and other branches in the Ministry of Air, Land and Water Protection.



Colin James



Alastair Watt



Tom Dickinson

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insideucc: people, programs & perspectives •

In 1991, UCC unveiled its Campus Development Plan for the Kamloops campus — a blue print and accompanying architectural strategies that have served us well and resulted in a post-secondary institution that is the envy of many.

But the time has come to update the campus design in light of our evolving roles as a comprehensive university and as a key player in relation to economic development locally and regionally.

Through the 1990s, our existing plan guided decisions about the location of new buildings, roadways, footpaths, and other landscape elements. It also established a set of architectural systems that were to be used by building designers.

It effectively helped UCC make the transition from a community college to that of a university college. For the past few years, however, we have been going through another transition, from a university college to a comprehensive university offering an integrated set of vocational, technical, and degree programs.

As an emerging university, we are assuming a greater role in such areas as research, graduate studies, international education and training. At the same time, we are providing greater numbers of students with opportunities for intellectual, personal, and economic growth.

To assist us in developing a campus plan that will guide us over the next ten years, UCC has hired Stantec Architecture, a North American firm with a solid track record in campus planning. Assisting the Stantec team is an advisory committee comprised of representatives from faculty and support staff as well as students and administration. They are working closely together over the coming months with the objective of creating a blueprint for a campus that will be sustainable from environmental, economic, and human perspectives.

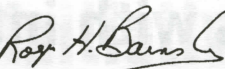
The plan also supports a vision we have for UCC as an integral part of Kamloops' development as a "university city."

The economic impact of UCC in the community is much larger than most people realize, and the continued growth of the institution will help to strengthen a partnership with the city that supports higher education as a major economic driver. The most recent announcement in regards to Kamloops' Tournament Capital of Canada designation — a commitment to upgrading sports facilities at Hillside Stadium and McArthur Island — is one more step toward supporting this economic growth.

The Campus Plan Web page, www.cariboo.bc.ca/campusplan/index.html, will be the main vehicle for keeping you informed of the progress and is one way for people to have direct input into the planning process.

I invite you to monitor this site over the coming months and to take time to provide input as the plan progresses towards its completion in March.

This is a critical project in the history of UCC and I want to encourage you all to follow the project's development and to be part of the evolution of the Campus Plan 2003.



Dr. Roger H. Barnsley,
President



achievements



Matt Silver and Neil Rachynski
Journalism

The UCC Journalism department has selected students Neil Rachynski and Matt Silver as this year's recipients of the Jack Webster Foundation Student Journalism Awards. Rachynski, who graduated with his Bachelor of Journalism in December, and Silver, who is currently completing his third year of study, both attended a Webster Awards dinner on Oct. 29, 2002 at the Westin Bayshore Resort and Marina in Vancouver where they each received a \$1,000 prize. They were chosen on the merits of their 500-word essays on journalism as well as a collection of their story clippings.

Hafiz Rahman

Department of Economics

Dr. Hafiz Rahman had an article, An Examination of Forward Market Efficiency Using Cointegration Techniques, published in the Indian Journal of Economics, April 2002. The paper was written jointly with Dr. Shekar Bose of Australian Maritime College. Dr. Rahman also recently received his designation as Associate Professor.

Larry Dyck

School of Trades and Technology

Larry Dyck, coordinator of the Cariboo Career Technical Centre, has been named as Coordinator for Apprenticeship Training for the School of Trades and Technology. Larry comes to the position with seven years coordination experience involving Entry Level Trades Training and apprenticeship training. His new title is Transitions and Apprenticeship Coordinator.

Jim Totten

Department of Mathematics and Statistics

Jim Totten became the editor of CRUX with Mathematical MAYHEM for a five year period that commenced July 1, 2002. Totten was appointed editor by the Canadian Mathematical Society's Board of Directors.

Angela Trudeau

UCC Orientation Committee

Angela Trudeau, a graduate of the Bachelor of Tourism Management degree and the Tourism Resort and Management diploma, has been hired as UCC's Orientation Committee Coordinator. She was part of the successful promotion of UCC's first Orientation Week Sept. 2-6 and recently helped to host a mid-year orientation for students entering programs in January. Work now turns to the September 2003 orientation, scheduled for the first week of classes. Trudeau said last year's event was a great success with more than \$4,000 in prizes. One of the most successful parts of the week was a student passport, she said, an idea developed by UCC business students.

Shawna Sangster

Natural Resource Science

During a conference of the Society of Range Management (Pacific Northwest Division) at UCC Oct. 3-5, fourth-year NRS student Shawna Sangster placed first at a plant identification competition against students from universities in Alberta, Oregon and Washington State. Sangster along with four other UCC students in the NRS program took the top five positions in the competition. They were among about 120 delegates to the conference that also welcomed guests from Agriculture Canada, the Bureau of Land Management and the U.S. Department of Agriculture.

James Hoffman

Theatre

James Hoffman will be presenting a paper at the upcoming BC Studies Conference at UBC in May 2003 titled Tzinquaw: A Site of Postcolonial Performance in British Columbia. In the paper Hoffman will describe an opera performed in Duncan and area in the early 1950s by members of the Cowichan Band depicting the story of the battle in Cowichan Bay between Tzinquaw, the thunderbird, and Quannis, the killer whale.

Henry Reiser

Electronics

Henry Reiser was awarded a Technology Development Fellowship by the BC Advanced Systems Institute in October 2002.

Peter Tsigaris

Economics

Peter Tsigaris, who spent his winter-semester sabbatical at the Economics Department at Monash University in Australia, completed revisions to a paper (co-authored with Eftichios Sartzetakis) entitled Revenue Recycling Policies under Wage Uncertainty, which will be published in the Journal of Environmental and Resource Economics.

Gerard Hayes

Director, Ancillary Services

Gerard Hayes was recently named Official of the Year by the BC Hockey Association for the 2001/02 season.

Stephen Roney

English as a Second Language

In the past several months, Stephen Roney has published poems in the Windsor Review, 35:2; Windfall (anthology); and Filling Station 24. His article, Post-Modernist Prose and George Orwell, was published in Academic Questions 15:2, and he has published a series of eight essays in the Joongang Ilbo/International Herald Tribune, Korea edition. He also presented papers at the Plain Language International Conference held in Toronto in September 2002 and the Society for Technical Communications Region 7 Conference held in Vancouver in November.

Darlene Kalyinka

Visual Arts

Darlene Kalyinka showed her work in a group exhibition on Aerial Farm Photography at the Dunlop Art Gallery in Regina, a show that ran until Jan. 5.

Bill Walton

Visual Arts

Bill Walton was elected to the Kamloops Community Arts Council Board.

Rafiqul Hassan Bhuyan

Economics

Rafiqul Hassan Bhuyan successfully defended his PhD thesis entitled The Informational role of Open Interests in Strategic Portfolio Decision at Concordia University in April 2002. He also presented his thesis at the Asia Pacific Finance Association meeting held in Tokyo in June 2002, and at the Pacific Basin Finance Accounting and Economics Conference held in Singapore in August. He also presented his work at the Southern Finance Association meeting held in Florida in November.

Michelle Marginet

Health and Safety

Michelle Marginet recently passed the national exam to achieve the designation of Canadian Registered Safety Professional.

Ying Kong

Economics

Ying Kong recently published an article, Persistent Dumping, Competition and Welfare in the Journal of International Trade and Economic Development. He, along with Jim Seldon (Economics) co-presented a paper, Pseudo-Generic Products and Barriers to Entry in Pharmaceutical Markets, at the 36th Annual Meetings of the Economic Association held in Calgary in May 2002.

Eftichios Sartzetakis

Economics

Eftichios Sartzetakis presented a paper, co-authored with Dr. Effrosyni Diamandouli (University of Aarhus, Denmark) entitled Stable International Environmental Agreements: An Analytical Approach, at the Second World Congress of Environmental and Resource Economists at the University of California, Monterey campus in June 2002. He also attended the World Summit on Sustainable Development (WSSD) held in Johannesburg, South Africa in August. He attended the conference as a member of the Greek delegation to the WSSD, as he currently serves as an expert advisor to the Greek Ministry of Foreign Affairs on issues related to sustainable development.

Gordon Tarzwell

Economics

Gordon Tarzwell recently published an article, Canadian Cultural Diversity and Government Expenditures, in the Journal of Applied Economic Letters.

Sibylla Lane

Dean, School of Business

Sibylla Lane was a member of a panel entitled Are you Being Served? IS Adapted SERVQUAL and other Conceptualizations of IS Support, at the Administrative Sciences Association of Canada Conference held in Winnipeg in May 2002.

Shawn Thompson

Journalism

Shawn Thompson has had his article about his trip to the jungles of Borneo published in the October 2002 issue of Westworld. He has also completed revisions to his book, Letters from Prison, which will be reissued by HarperCollins in paperback this spring.

Martin Whittles

Anthropology

Martin Whittles has published a book chapter, Cultural Borders and Scientific Boundaries: Competing Discourses of Canadian Arctic Development and Management in the Post-Land Claim Era, in Borders and Boundaries. He also presented a paper, From Noble Collectivist to Rugged Individual: Non-Inuit Contact Narratives in Context, at the Netherlands American Studies Association and the Association for Canadian Studies in the Netherlands Conference held in May 2002. He has been named a liaison for a new Aboriginal student exchange between UCC and Western Sydney University in Australia.

Peggy Broad & Wendy Gardner

Natural Resource Science

Peggy Broad & Wendy Gardner helped to organize this year's highly successful Fall Conference and Field Session of the Society of Range Management, which attracted 120 delegates from several major universities in the Pacific Northwest.

Berndt Sigloch

Accounting

Berndt Sigloch presented his paper, Modifications and Simplifications of Reciprocal Cost Allocation at the 2002 Hawaii International Conference on Business, which drew 500 delegates from universities around the world and featured more than 150 presentations.

David MacLennan

Sociology

David MacLennan has had a book chapter, Sociocultural Approaches to Cognition: Implications for the Sociology of Education, published in The International Handbook On The Sociology Of Education. He has also received two Social Sciences and Humanities Research Council (SSHRC) grants: one for work under the Community-University Research Alliance (CURA) on the cultural futures of small cities, and the other under the Aid to Small Universities grant program, for a study of diversity and diversity initiatives in B.C.'s university colleges.

Terry Kading

Political Science

Terry Kading presented his paper, Negotiating the Free Trade Area of the Americas (FTAA), at the Congress of the Association of Latin American and Caribbean Studies Conference, held in Montreal in October 2002.

Terry Lake

Animal Health Technology

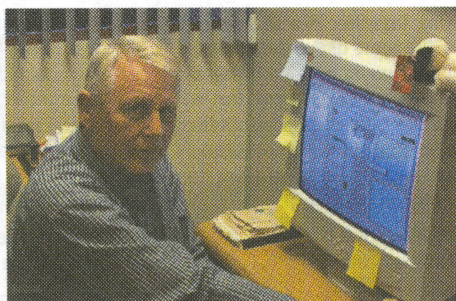
Terry Lake has just been elected Honorary Treasurer of the World Small Animal Veterinary Association (WSAVA), the global association that represents companion animal veterinarians, after he served as Chair of the Organizing Committee for the WSAVA Congress held in August 2001 in Vancouver. He was also successful in securing a seat on Kamloops city council during the municipal election Nov. 16.

Clarification: An item that ran in the November issue of InsideUCC, incorrectly identified the title of Brigitta O'Regan's paper presented at The New Europe at the Crossroads VI conference hosted at the University of Hull, Scarborough campus in July. The name of the paper is The Role and Function of the Foreigner in J.M.R. Lenz's The New Menoza (1773).



UCC building research culture and funds

By Neil Rachynski, UCC Fourth Year Journalism



Neil Russell
UCC Vice-President,
Academic

Photo Credit:
Neil Rachynski

The University College of the Cariboo is boosting efforts to increase research funding and to nurture a research culture.

Neil Russell, UCC Vice-President, Academic, says the recent approval for two Tier II Canada Research Chairs is good timing for UCC's newest effort: establishing an Associate Vice-President of Research.

"The whole issue here is strategic planning. We want that Associate Vice-President pushing for government, industry and private resources," Russell said. "It shows our commitment to research both internally and externally."

When UCC developed its strategic plan for 2000-2005, "Learning, Teaching, Scholarship and Research" was one of four goals named in the plan, along with "The University College Concept," "Institutional Effectiveness," and "A Place to Learn and Work."

A research committee comprised of students, faculty and administration reviewed how to better involve students in research, but the committee raised broader issues and the focus grew to expanding research at UCC and enhancing its research culture. Improving the culture means making research an essential part of teaching and learning, rather than opining research as merely a special-interest project.

The absence of a senior-level administrator to champion UCC's research growth was one of four barriers the Research Task Force identified. UCC administration opted to create the halftime Associate Vice-President position, which will report to Russell. Dr. Tom Dickinson was recently named to the post.

The task force also cited poor research infrastructure as a barrier. UCC has since spent about \$100,000 renovating the old Animal Health Technology building, the first time UCC has dedicated space to support research, Russell says.

"We're going to make the Associate VP part of planning for both facilities planning and faculty planning," Russell said. "Very integrated planning is a key for the institution."

Human resources and contractual issues, low levels of understanding and support for a research culture were other roadblocks that the task force identified. Russell noted that the problems in UCC's collective agreement need to be worked out if students are to become fully involved in campus research.

Trevor Davis, UCC's Research Coordinator, said expanding the roles of research assistants is a crucial part of building a research regime and he expects the issue to become particularly important when UCC's Canada Research Chairs arrive.

UCC names Canada Research Chairs nominees

By Neil Rachynski, UCC Fourth Year Journalism



Trevor Davis, UCC Research Co-ordinator

Photo Credit: Neil Rachynski

UCC is awaiting the approval of two nominees to the first ever Canada Research Chairs on campus, which will elevate the university-college's research profile.

UCC will receive \$1-million over the next five years from the federal government for two Tier II Canada Research Chairs. The Federal Research Chairs program approved two research positions for UCC last spring, and the university-college has presented its two nominees to take up these roles.

Dr. Amedeo D'Angiulli of UBC has been nominated for an Early Intervention and Child Development Chair, and Dr. Peter Wiesberg, an American working in Switzerland, is the nominee for the Landscape Ecology and Management Chair.

Trevor Davis, UCC's Research Co-ordinator, said that if all goes well with the panel review process both chairs should be on campus by August 2003. Canada-wide, approximately 85 per cent of nominees are approved by an international peer-review committee. The two projects are a good fit for UCC because both of the nominated researchers will take an interdisciplinary approach to their research, Davis said.

As the Early Intervention and Child Development Chair, D'Angiulli would knit together several disciplines, including neuropsychological and behavioral psychology, to examine childhood development and reveal indicators that early intervention is required with a child. His projects focus not only on brain activity, but also the geography of where a child resides.

Wiesberg, a Landscape Ecologist currently co-directing the Mountain Forest Ecology group at the Swiss Federal Institute of Technology, will look at landscape planning and ecology on a large, regional scale.

"It's a perfect one for us," Davis said. "It is very integrative, linking areas of biology, geography and natural resource sciences."

Davis said a number of UCC faculty members will join the projects as co-researchers.

"That's why we brought in interdisciplinary chairs, since one of our strengths at UCC is our cross-disciplinary research focus. We will also work to involve undergraduate students as much as possible."

The Tier II Chair program is designed for emerging researchers (with 10 years of their PhD) who are expected to be of international caliber within five to 10 years. Each chair receives funding of \$100,000 a year for five years, with the potential to renew for another five years. Tier I researchers already have international reputations, and

receive \$200,000 a year in perpetuity. UCC had received approval for a single Tier I project but instead took the option of splitting the funding into two Tier II research projects.

"It's my job to prove to the government that these individuals really are rising stars, and that UCC is fully behind them. But once we're past the nomination process, then we have to give them the support and collaboration they need to actually get to that international level," Davis said.

UCC complemented the Tier II funding by recently renovating the old Animal Health Technology building into a new "research centre," investing in infrastructure and support for the chairs and other researchers, added Davis.

The Canadian government established the Canada Research Chairs Program in 2000, providing \$900 million to set up 2,000 post-secondary Canada Research Chairs positions across the country by 2005.

The program's Web site, www.chairs.gc.ca, states the main objective "is to enable Canadian universities, together with their affiliated research institutes and hospitals, to achieve the highest levels of research excellence to become world-class research centres in the global, knowledge-based economy."

A steering committee governs the program. The committee is made up of the presidents of the Natural Sciences and Engineering Research Council, the Canadian Institutes of Health Research, the Social Sciences and Humanities Research Council (SSHRC), the Canada Foundation for Innovation, and the deputy minister of Industry Canada. The president of SSHRC chairs the Steering Committee and the Chairs Secretariat is in the SSHRC.

Now that UCC will enjoy full-time researchers on campus, Davis expects to see more research programs and grant money find its way to Kamloops with the help of its two nominees.

"Overall, with research, once you've got yourself in the door, then you stand to get more. The hardest part is getting started," he said. "When you put in a grant application partnered with a local Canada Research Chair, it gives it a boost in Ottawa or Victoria."

Davis said that D'Angiulli and Wiesberg "will be lightning rods for research here at the university-college. Being ambassadors for the UCC community will be part of their jobs."

A third Canada Research Chair at the Tier II level has been approved for UCC. Word of the award in the latest round of announcements from the Canada Research Chairs program arrived just before Christmas and will set off a new proposal process. The new chair would be in the Social Sciences and Humanities field.

Mapping snake DNA reveals ups and downs of research

By Neil Rachynski, UCC Fourth Year Journalism

In the past ten years, UCC has offered research opportunities to fourth year students in biology, chemistry and physics through a directed studies course that is overseen by a UCC faculty member.

Directed Studies 448 has seen tremendous success in terms of getting students involved in "real world" experiments that give them a taste of what it's like in the lab.

Some of the projects have become a basis for further research, while others have been conducted in conjunction with larger research projects. All, whether successful or not, have provided students with valuable, independent, experience that can't be learned from a textbook and have given faculty members a chance to extend their research abilities by having an extra pair of hands in the lab.

Students undertake an investigation on a specific topic involving experimental work as agreed upon by the student and her/his faculty supervisor and UCC co-supervisor.

The work is usually completed over a two-term period with a final report due at the end of the second semester. Dozens of students have completed the course since its inception in 1992, and all final project reports are available in the UCC library. The following story is an example of research UCC students are undertaking.

Sarah Anderson recently emerged from the road of research, an eight-month journey of theory and practice, trial and analysis.

After testing more than 180 bacteria samples containing rattlesnake DNA, the fourth-year UCC biology student learned first-hand what a researcher hopes to discover in the lab will not always reveal itself.

The 21-year-old Kamloops resident was searching for a reliable short cut from DNA sequencing tests, which offer reliable results but are expensive procedures.

She hoped her data would support the idea that DNA microsatellites should show variations on gel samples. Microsatellites, which are part of the DNA molecule, are repeats of bases, the portion of DNA that encodes a gene. DNA has four bases: A, C, T and G. These four combine differently to create sequences or microsatellites. In Anderson's research, she looked solely for two microsatellite combinations, (GT)¹⁵ and (CT)¹⁰.

"If you have two snakes that are not closely genetically related, you pick the same microsatellites in both of those snakes. Ideally, you'll see a lot of variation between the two snakes. As they reproduce, their genes are copied and the microsatellites will get longer or shorter," Anderson said.

Her entire project was done in the lab with the guidance of UCC's Dr. Don Nelson. The rattlesnake samples came from UCC biologist Dr. Karl Larsen. The rattlesnake DNA was extracted and frozen from another student project last year. Anderson attempted to develop an assay for identifying microsatellite sequences in DNA, with the hopes that her method could be used for determining



Fourth-year UCC biology student Sarah Anderson prepares a DNA gel sample in the lab.

relatedness between rattlesnakes using repeat sequences in their DNA.

"The idea for this project comes from a concern about small gene pools in rattlesnake populations in the Kamloops area threatening the health and longevity of such populations. Hopefully, this project can provide some useful techniques for identifying genetic problems within populations," she said.

At the heart of her research, Anderson used bacteria samples with the snake DNA and ran tests called Polymerase Chain Reaction (PCR). In this test-tube analysis, enzymes are added to copy the DNA, and the samples are heated and cooled in a machine. To create a visual image to understand the results of the PCR reaction, a gel is used as a medium through which the DNA can travel. With these gels, Anderson can see the size of the pieces of DNA, and what she hoped to find were blurred bands that indicate the microsatellites. The trick is being able to recognize true microsatellites.

"So far the data does not strongly support the idea that microsatellites should show variation on a gel," she said. "This is a lab project to identify a reliable method of identifying microsatellites. Currently, it's hard to detect genuine microsatellites on a gel. To confirm a microsatellite, we need to send a test tube to UBC where they sequence the sample to confirm a microsatellite."

She had hoped her method would prove reliable enough to identify the microsatellites from the gels, short-cutting the expensive sequencing method. But that hasn't happened.

"I'm disappointed, but my instructor says, 'You're not here for the solid results.' I've learned a ton, but we're not writing it off yet. Like the faculty has said to me: Welcome to research."

"It was a good experience. I don't think there are other opportunities at other universities like this, I had almost all of Don's time last summer," she said. "The results have not gone exactly as planned, but I'm thrilled with the experience, it's been excellent. So few of the biology students get to go through with this."

The directed study project gave her a good idea of lab life if she decides on a research career, she said.

"It's nice to be able to go on your own and say, 'Hey, I want to try this.' You can be really innovative, which I like," she said. "(But) it's a lot of hours. Nothing is quick in the lab."

Anderson graduates from UCC this spring with a Bachelor of Science in general biology and plans to pursue a Pharmacy degree at UBC.

Chinese teachers take home lasting impressions of UCC

By Narayan Mitra, UCC Fourth Year Journalism

Bring together 79 teachers speaking four different dialects of Chinese, living for six months in a Kamloops motel more than 8,000 kilometres from their home and what do you get? In this instance, the results are teachers-turned-students who have become better-equipped English instructors enriched by Canadian culture.

With many fond memories of a host campus and city that graciously welcomed them, a large group of Chinese teachers returned to their homeland at the end of December after completing six months of schooling at The University College of the Cariboo in English Language Immersion and Western Teaching Methodology.

UCC International director Cyndi McLeod first negotiated the extended training program with government authorities in Beijing more than two years ago and since then, several groups of teachers have attended UCC. But this is the first time such a large group has stayed for a prolonged period of time.

The teachers came from four different regions of China with more than half hailing from the southwestern city of Chongqing, population six million. Teachers from Hainan, Haibei and Beijing rounded out the group.

In addition to classroom instructions, the Chinese teachers visited local schools, community centres and interacted with Kamloops residents as part of their experience.

"It was a real cultural immersion program," said Lori DeFrias of Continuing Studies who helped coordinate the teachers' stay. She noted students who visited schools were invited back for Christmas concerts, took part in numerous community activities as well as UCC recreation programs.

Church groups were also very active in extending a warm welcome to the visitors. The teachers were invited to attend the Adams River salmon run, go on picnics and take part in Halloween parties.

UCC International encouraged local families to invite the teachers for dinner so that they could get a feel for aspects of Canadian culture in action and many people volunteered to act as hosts. That generosity had a huge impact on the group, which will have lasting positive impressions, said Diana Ning, advisor to Mandarin-speaking students at UCC.

"The teachers have become ambassadors for Kamloops," she said. "They were touched by how UCC and Kamloops hosted them."

City Councillor Joe Leong, president of the Kamloops Chinese Cultural Association remarked on the positive impact the teachers made in Kamloops.

"They would talk about UCC and the city favourably and it might even result in some sort of partnership between the cities."

Association members also opened their homes to the guests and hosted a special picnic.

The Chinese teachers had a lot to say about their learning experiences here. Most of them left spouses and families, some with young children, to take advantage of this tremendous educational opportunity.

"I had to leave behind my eight-year-old daughter," said Jiang Xianguo of Chongqing. "She cried, 'Take my photo with you, dad.' It was heart breaking, but after only four months here I gained part of what I expected, more fluency in speaking. I am determined to impart to my students what I got from my Canadian education."

Su Ping, a teacher and mother also from Chongqing, said, "I came to improve communication skills. There were different ideas and opportunities to combine teaching methods, to find solution to problems. I met many helpful people, some of whom gave me warm clothes. I am deeply moved and will promote this friendship between the two countries when I go back."

Staying together in a big group under the same roof helped alleviate some of the loneliness, too, but most of the teachers said they would have preferred bordering with a local family to improve their English and further their exposure to Canadian ways. The time commitments the teachers made to taking the English program was motivated by their devotion to learn new ideas and to find solution to problems in the Chinese educational system.

McLeod, of UCC International, affirmed the incredible impact the teachers made on UCC, the school district and the city.

"A tremendous amount of exchange and learning took place, sharing of teaching methodologies, and most important, development of long-term professional and personal relationships."

"We received incredible support to welcome them ... a fabulous demonstration of Kamloops' ability to welcome and host international guests."

For the fall training session, UCC International, the UCC ESL department and other areas within the institution pulled together to complete a program revision that would meet the expectations of guest teachers. Three instructors were hired to help teach components of the program.

McLeod estimates UCC has trained about 300 teachers in the past year, a number that might be repeated in 2003. A group of school principals are to arrive from Beijing early this year, followed by more committed teachers during the summer.



L-R Zhou Xiaoming, Su Ping, Jiang Xianguo, Hu Yuan, He Wen

Here's what they said:

Zhou Xiaoming from Chongqing

"Study environment is good, excellent teachers and equipment. UCC organized a lot of activities for us."

He Wen from Chongqing

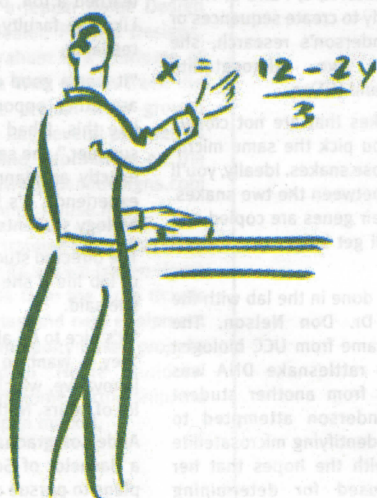
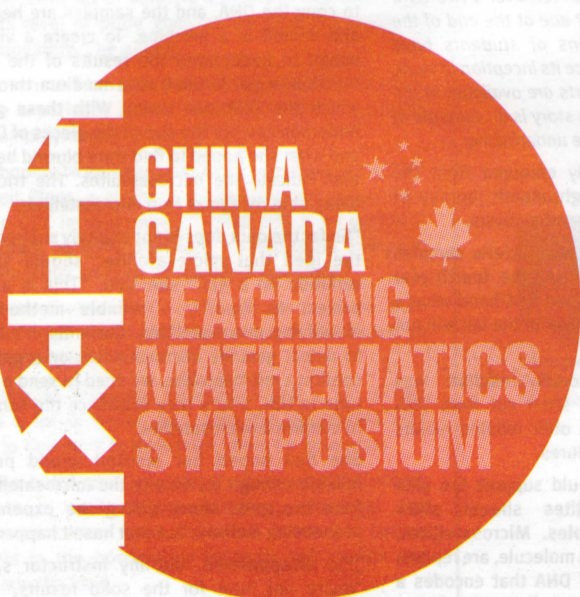
"Here, students have more opportunities to express ideas. Teachers have time to answer questions. Many students have part-time jobs to earn money and get experience for future work."

Han Youping from Beijing

"Some part of the training was helpful. Some topics such as critical thinking were interesting, how to process information and analyze. In China, we don't have time to study other books, with so much to do. Kamloops is a quiet, safe city."

Oscar Xie from Quinhuang dao, a seaport city of 300,000

"The training helped me to progress. I learned how to write, listen and speak better, but needed more time and opportunity to communicate with outsiders."



Math symposium instills high hopes for more to come

It's been three months since a group of top math teachers in China left their mark at The University College of the Cariboo, but it's hoped their contributions to the first ever China/Canada Mathematics Symposium at UCC will form a basis for future successful exchanges.

The first meeting of its kind for UCC, the Oct. 24-26 event brought together 14 teachers, principals and administrators from the Xuhui Education Bureau and Pacican Education and Cultural Service Company of Shanghai, China, as well as more than 20 Canadian teachers from the Kamloops/Thompson School District.

"The idea started with UCC International and the Xuhui Education Bureau discussing a cultural exchange between high school math teachers," said Jane Powell, a part-time UCC faculty member who was hired to coordinate the event.

"The exchange was developed in a different way - to an exchange of ideas - between Chinese and Canadian teachers."

The group from China arrived for three days of intense discussion as well as a tour of some of the local classrooms in School District 73.

An interactive session and group work on Oct. 25 was one of the best parts of the exchange, said Powell, as it allowed teachers from two cultures to work in groups and address questions and ideas. UCC also hosted a banquet that evening with guest speakers and a special performance by the Westsyde Jazz Band. One of the biggest surprises of the evening, according to Powell, was an impromptu performance by one of the Chinese delegates who is involved in the opera there.

"It was stunning and what an experience for the Westsyde students who were there," said Powell.

The final day was reserved for workshops, which were mainly attended by the Chinese delegates and UCC math faculty. Organizers of the conference were grateful to UCC staff and faculty especially Helen Chin, Baihu Chadwick, Roger Yu and Ying Kong, who acted as translators during the weekend.

Powell said while the Chinese and Canadian school systems place different values on learning, the contrasts were excellent learning material for teachers from both sides of the world.

"In Canada it seems there is more emphasis on the whole child in regards to learning. In China, the focus on subjects is developed at a much earlier age with teachers who specialize in a certain subject instructing the children starting at the primary level. We find that children in China have mastered those math basics much earlier than children in Canada."

Dr. Patrick Walton of the UCC School of Education along with students Christine Hammond and Lisa LeDrew, who received a Yearn to Learn grant through the Cariboo Student Society, have produced a published conference proceedings and are editing a video of the conference, which will be distributed to delegates.

From his perspective as an educator, Walton said the conference was a magnificent opportunity to meet with some of the best math instructors in the world. He noted that a student from the Chinese school district where these teachers hail from has won an International math Olympics competition for the past two years.

"This was an opportunity to hear from three or four of the world's best math teachers on how they taught," said Walton. "We are hoping Canadian teachers will use our video as a resource."

The half hour video and proceedings will be available on CD ROM.

School of Advanced Technologies and Mathematics



School of Advanced Technologies and Mathematics

Marika Bourque (Interim Dean)
Judy Russell (Secretary)

Computer Information Systems Technology Department

Jack Mathews (Chair)
Mohd Abdallah
Tom Adkin
Bob Barlow
Andrew Idzikowski
Don Johnson
Brenda Mathews
Maya Rupert

Computing Science Department

Kevin O'Neil (Chair)
Wayne Babinchuk
Roelof Brouwer
Surinder Dhanjal
Yanni Giftakis
Mila Kwiatkowska
Mahnhoon Lee
Qing Lin
Richard Paweska

Engineering Design and Drafting Technology

Walter Prescott (Chair)
David DiFrancesco
John Dumesnil
Mindy Marshall
Dennis Oldridge
Paul VanZand
Troy Welch

Electronic and Engineering Department

Henry Reiser (Chair)
JS Bourget
Al Green
Don Graham
Ben Guidici
Ron Opp

Mathematics and Statistics

Dennis Acreman (Chair)
Jack Bradshaw
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Fae DeBeck
Don DesBrisay
Kirk Evenrude
Sonja Hot
Peter Moys
Lesley Robinson
Shane Rollans
John Siggers
Adriana Stefan
Mohamed Tawhid
Dave Tomkins
Jim Totten
Roger Yu
Dipankar Gupta

UCC's new School of Advanced Technologies and Mathematics may be in its infancy, but faculty and administrators are already anticipating educational options that include additional degrees, expanded program linkages, and greater increased research activities as well as enhanced strategic partnerships with business and industry.

The new school, established in September 2002, includes the departments of Computing Science, Computer Information Systems Technology, Engineering Design and Drafting Technology (which also includes Digital Art and Design), Electronics and Engineering Transfer, and Mathematics and Statistics.

"The new school brings together all the high tech elements of these programs very nicely," said Marika Bourque, who was named Interim Dean of the new school last fall.

The biggest challenge for the new school is to increase its student enrollments. There are target full-time equivalents that we need to meet, said Bourque, referring to provincial dollars made available to increase the number of students graduating in areas such as Computing Science.

"We are doing more marketing and we are also updating and modifying our Bachelor of Technology in Applied Computing Science (BTACS) degree to make it more accessible for a much wider group of interested students and making it more compatible with other university college programs," she said.

Currently the Computing Science department offers degrees in two areas, BTACS and a Bachelor of Science with a Major in Computing Science. In addition to attracting students from other areas of study into BTACS, Bourque sees the potential for developing new laddering opportunities between programs such as Electronics, Engineering Transfer and Computer Information Systems Technology (CSOM) into BTACS.

It's also anticipated that as of September 2003 the Digital Art And Design program will be expanded to a two-year diploma. The specialized program currently has 24 seats and it's expected that will expand to about double over the next couple of years.

The new School of Advanced Technologies and Mathematics is also pushing to increase its Engineering Transfer program. Currently, UCC students can only do one year of engineering here, but discussions are ongoing with UBC to develop a two-year laddering program from UCC to that institution. If all goes as planned students could take their first two years of engineering at the Kamloops campus, then transfer to UBC for third year in either electrical or computing science engineering.

Meanwhile, the addition of the Mathematics and Statistics department to the new school will also contribute to areas of technology. One future goal is to create a stand-alone math degree. Currently UCC offers majors in both the Bachelor of Arts and Bachelor of Science degree programs.

On another front, one of Bourque's goals would be to develop a Centre of Excellence for the high tech sector through the new school. She would like to see further relationships with business and industry that would allow for research and collaboration between business and the university.

"Such strategic partnerships have worked well in a number of places like Victoria, Vancouver and Calgary. It's a matter of bringing people together, and building mutually beneficial partnerships. We have a talented and dedicated faculty in our new school, and Kamloops has many outstanding high tech businesses that are interested in developing strategic partnerships with us," she said.



Marika Bourque: Interim Dean

Heading UCC's new School of Advanced Technologies and Mathematics is Marika Bourque, who has 20 years experience in the fields of information technology, education and business management with knowledge gained through the public and private sector.

Bourque came to UCC in the September 2002, after holding the position of managing director for EOL-World Production Inc., an international family of companies that provided interactive, on-line learning via the Web. She was responsible for educational content, design and development of the interactive environment as well as the technology infrastructure for worldwide delivery of products. Prior to that, Bourque was Chief Information Officer and Superintendent for the largest school board in Canada, overseeing both educational and corporate information technologies for the Calgary Board of Education.

Prior to her work in Alberta, Bourque held the position of professor and coordinator for the Faculty of Science and Technology at Sheridan College in Oakville, Ont., where she designed and developed courses and programs including a postgraduate multimedia program.

She has many years experience working for private companies related to information technology and computing, including Fortune 500 companies, and has her own consulting business in Ontario. In Alberta, her current company Bourque and Associates specializes in IT and E-learning consulting.

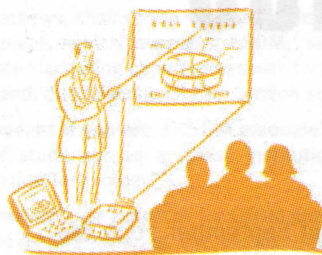
Bourque received her Masters of Science and her Honours Bachelor of Science degree from McMaster University in Hamilton, Ont., as well as an Honours Diploma in Business Computer Programming and Systems Design and Analysis from the Kanata Institute of Computer Science. She was twice nominated for the Alberta Science and Technology Leadership Awards in 1999.

Given her background working in a variety of disciplines focused on technology and learning, Bourque is hopeful her expertise will help foster new strategic relationships with businesses and industry that will further program development and research potential at UCC.



Marika Bourque

Math Department coming into its own



UCC's Mathematics and Statistics department is expecting to gain more prominence and provide students and faculty with more options for study and research under the new School of Advanced Technologies and Mathematics.

Formerly a department under the UCC Professional Schools division, math and statistics expects to see growth in connection with programs such as computing science and electronics, said program chair Dennis Acreman.

"Where we see growth is in connection with computing sciences, with our long term goals in the establishment of honours degrees, and in an Applied Masters in computing science and math," he said.

"This is a different focus for us. The academic and the applied focus is new. Computing science is a big drawing card for us. However, what we do want to preserve is our pure math side. We don't want everything to have an applied focus. It's quite a unique configuration, especially with having math in the new school, there is a lot of good potential for growth."

An honours degree in math would entail a more extensive curriculum, adding a year of study for students, but would better prepare those planning to pursue graduate studies. Students would be required to maintain a certain academic standing to remain in an honours program, Acreman added.

Faculty and administration also anticipate greater drawing power in attracting students to the program. Currently there are between eight and 10 students graduating with a math major each year, either through a Bachelor of Science degree or with a Bachelor of Arts.

Acreman expects more research opportunities for faculty because of constant contact that departments under the new school will have.

He noted that a push to expand the Engineering Transfer program at UCC would have implications for the math department through the development of new courses.

The department is also considering the implementation of double majors available in conjunction with other departments.

"We expect the double major and the honours program to be available within the next two to three years if all goes as planned," said Acreman.

Many students who graduate from the program go on to teaching and several of them have remained in B.C. while others have gone across the country and abroad.

Where are they now?

Kerri Webb

The mathematics department at UCC keeps in contact with many students who have gone on to pursue interesting and diverse career and education directions. Kerri Webb, a university transfer student, is one of them.

This Kamloops native, who graduated from KamHigh in 1993, is currently finishing her doctorate at the University of Waterloo in the department of Combinatorics and Optimization, part of the Faculty of Mathematics. Combinatorics includes the theories of graphs, enumeration and designs, while optimization (mathematical programming) is the study of maximizing and minimizing functions subject to specified conditions found in engineering, the physical sciences and in various branches of mathematics.

Kerri spent two years (1993-1995) studying math and science at UCC before transferring to UBC to complete a Bachelor of Science. She says her two years at the Kamloops campus gave her a solid foundation of courses in which to make a decision about pursuing post-secondary education.

"When I graduated from high school I was overwhelmed by the options for areas of study at university and picking just one area was a much bigger decision than I was ready to make. UCC was a great place for me to learn which courses I really enjoyed. I took general sciences my first year and when I was looking at the options for second year courses, I realized the math courses were the ones that most interested me most.

"I am unique among my peers at Waterloo in that I had undergrad math tutorials being led by my actual instructor and that it was my instructors at UCC who marked my assignments. The smaller first and second year classes were also appreciated."

Lori McLean and Darcy Franklin

In addition to a solid foundation in math, graduates Lori McLean and Darcy Franklin have found interpersonal and problem solving skills they learned while earning their degrees at UCC have helped them immensely in careers teaching abroad.

The couple, who hail from 100 Mile House, have known each other since they were eight and were recently married. They now teach at an international secondary school in Jeddah, Saudi Arabia. It's a place that affords them valuable job experience as well as the potential to travel.

Lori (UCC 1997) is currently teaching algebra and physical education, while Darcy (UCC 1998) teaches industrial technology and math to Saudi as well as expatriate students from around the world. Before embarking on their journey overseas, both went to school for an extra year after graduating from UCC to receive their teaching certificates.

Now in the throws of the classroom, they both agree the experience they gained in their time at UCC has been invaluable to teaching.

"Not only did we receive the best possible instruction, but our class sizes were small and we had lots of personal

The big decision to attend Waterloo was made when she was choosing a school to complete her Masters. The co-op program and the specialization in combinatorics were her reasons for going there in 1998. She admits a few more third and fourth year courses during her undergraduate years would have been helpful in easing the burden in her first year at Waterloo, but adds hard work got her through.

"I was interested to learn recently that those courses I missed are available at UCC, although I don't know if they were available when I was there. My move to UBC was motivated by a desire for a change of scenery, rather than academic reasons."

While completing her graduate studies at Waterloo, Kerri worked at the institution as a teaching assistant and instructor. After a year in the Masters program she decided to continue with a PhD.

"I was very happy with my supervisor, the department and my funding at Waterloo and had made some good friends in the area, so it was an easy decision," she said.

Kerri anticipates teaching at the university level once she has completed her PhD, but said she is willing to keep her prospects open.

"Most people graduating from my program go on to an academic career.

Working at a university was not a goal of mine when I entered the PhD program in 2000, but my appreciation for the university environment has increased since then... If university jobs are available then I will try that for a few years and then see what other options there are."

attention from our professors. They stressed the problem solving aspects of the discipline and expected us to do quality work at all times," said Darcy.

"The program was rigorous, but it was worth all the time we put into it. We have both been put in positions of teaching subjects outside of our discipline and the problem solving skills as well as improved personal skills have helped us greatly."

Prior to teaching in Saudi, the two worked in Bahrain for a year as well as working at the high school level in Quesnel. They plan on staying in their current location for the next four to five years, as well as pursuing Masters degrees.

"We teach in an American curriculum school so things are very different," said Darcy. "We teach British, Filipino, African, Indian, Pakistani, Iraqi, Syrian, Egyptian, Lebanese, Asian, and European kids. Quite a mix. All kids do speak English and all instruction is in English. The diversity of nationalities makes things very interesting and is one of the reasons we stay."

6 • FEATURE SECTION – mathematics & statistics

Provincial math competition has UCC roots



Jim Totten



John Siggers

Into its 30th year, a UCC math competition has played a large part in encouraging secondary students across the province to have fun with and challenge themselves on the subject of mathematics.

What started as a regional test originating through Cariboo College in 1973 has become the B.C. Colleges Provincial Math Competition, a contest that hundreds of grades 8-12 students now participate in.

The contest's instigator was math instructor John Ciriani, now retired, who had established a similar contest at a high school in Trail before arriving to teach at UCC. He wanted to start a competition for students in this region, said UCC math instructor Jim Totten, who became involved with the contest when he came here in 1980.

"It was used to challenge students to do more interesting math problems and establish links with high school math teachers," said Totten.

Initially the competition was organized so there was one set of questions for students in grades 9 to 12. Later organizers changed the format to include a set of junior (grades 8-10) and senior (grades 11-12) tests.

Ciriani was responsible for creating the problems, while Totten became the liaison with the high schools and organized activities for the day when competitors came to

UCC. When the contest went to separate junior and senior papers, UCC math instructor Kirk Evenrude took over creating the junior papers, while Ciriani continued with the senior. The contests included algebra, word problems and geometry questions, areas where the UCC instructors felt high school students could be more challenged.

In the early 1980s, the College of New Caledonia became interested in the math competition and created its own test for students in that region. Word also spread to Okanagan University College, where a competition was initiated. By the early 1990s the three institutions decided to unite and make it a provincewide exam, and have the same questions for each region.

"Now we have nine colleges participating," said Totten, "with a preliminary and final round in the junior and senior divisions."

The contest is created and administered by a committee from the mathematics departments of most of the participating colleges and university colleges.

Faculty members, primarily from the sponsoring colleges, generate the math problems and the questions vary in level of difficulty. The intent is that a reasonably good high school student could be successful at many of the questions with only a few problems of the more challenging variety. The aim of the contest is to promote

mathematics and the fun of doing mathematics, not to identify "cream of the crop" math students.

Totten said some high school math teachers give the test to all their students, while others leave it up to the individuals to choose if they want to write it.

For now the winners in each region receive prizes such as puzzle books and/or scholarships or cash, depending on the sponsoring college. Totten said the contest could move to another level with the top students going to a provincial round, but doesn't anticipate it for the near future.

Last year, about 160 students from Kamloops, Merritt, Ashcroft, Williams Lake and Clearwater wrote the preliminary test with 51 competing in the final.

John Siggers, also an instructor in the UCC Math Department, is helping to organize this year's set of questions and said the preliminary round will be held at high schools on March 5. A final round will be hosted at UCC May 2.

'Synergy' between departments felt by computing science



The Chair of UCC's Computing Science Department has high hopes for greater research potential, partnerships and laddering opportunities under the new School of Advanced Technologies and Mathematics.

Kevin O'Neil says the new school has created a synergy between several different departments that he believes will improve overall student and faculty success.

The Computing Science Department has nine instructors who teach in courses for the Bachelor of Science with a computer science major and the Bachelor of Technology in Applied Computing Science (BTACS).

Under the provincial government's New Era Initiatives to increase graduates with information technology credentials, numbers of students within UCC computing science are expected to grow in both areas of study.

With that and other factors in mind, O'Neil says one of the biggest changes in the department is a redevelopment of the BTACS program including alterations that will make the degree more accessible to a wider range of students.

"We have to add more students (under the New Era Initiatives) — about 20 more total for both streams (of computing science)," he said.

Originally, BTACS was a two-plus-two degree with students entering their third year of computing science after completing a program such as UCC's Computer Systems Operations and Management diploma (CSOM) or entering with a general background comprised of at least 60 credits, most focused on math, computer and science courses.

O'Neil said the department wants to widen its pool of potential students by looking at all backgrounds, whether a student is a fine arts major or a biology major.

"We want to have more laddering opportunities and we want to take BTACS in a different direction. If someone takes courses from arts, we want them to be able to have as much opportunity to enter our program as someone with a science background."

With that change in philosophy, it's expected students will only have to take three core courses before entering the program, all focused on introduction to computer programming.

"The applied degree (BTACS) places more emphasis on practical applications. It's a field that has gotten wider as companies have gotten more focused on requiring certain systems."

In addition to changes in the BTACS program, O'Neil anticipates a wider forum for research partnerships under the new school. Bringing departments such as Computing Science, Electronics and Engineering Transfer under one umbrella provides more potential for partnerships on projects, he said.

"We see a lot more focus between our department and an area such as electronics. Under the new school, we will be able to facilitate things that were more difficult as independent departments."

He also sees potential for marketing advanced technology courses in condensed formats to companies in this and other communities as a way to increase full-time equivalent spaces at UCC and improve the profile of the university in the area of information technology.

"Building relationships with companies is something that is being fostered now. We could build a curriculum and deliver these courses," he said.



Research presented at Chilean conference



Roelof Brouwer

International exposure to UCC research continues to grow thanks to a presentation by Dr. Roelof Brouwer, a Computing Science professor, at the Second International Conference on Hybrid Intelligent Systems in Santiago, Chile.

Brouwer was part of a group of about 300 researchers, developers and practitioners in the fields of "soft computing" and computational intelligence who gathered for the conference Dec. 1-4, 2002.

Brouwer has focused much of his research efforts on studying neural networks, collections of mathematical models that draw on the similarities of adaptive biological learning, and he has had his work published in journals throughout the world.

He was one of about 50 presenters at the conference and the only attendant from a Canadian university college. During his talk, Brouwer discussed his main focus of research, the development of new learning methods to be used in training neural networks and fuzzy neural networks for classification.

"An example of a classification task successfully carried out by a trained neural network is the automated classification of digitized images of cells on pap smears into images of cancerous and non-cancerous cells," he explained.

This recognition task saves time, a vital component in the diagnosing process.

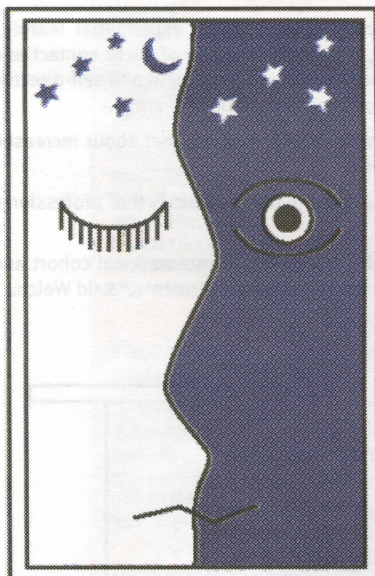
Research in "soft computing" is on the rise and is divided into the areas of neural networks, fuzzy logic systems, and genetic algorithms. As part of the research, algorithms are developed to make machines more intelligent. These algorithms or recipes or procedures are similar to the methods that humans, animals and nature may use to solve problems and carry out tasks such as object recognition and classification, Brouwer said.

Fuzzy logic represents the way humans deal with imprecise and incomplete information and neural networks, in a very weak sense, simulate a biological brain to learn tasks such as classification.



The beginning of health is sleep.

Joint project furthers research, aids UCC Sleep Clinic



UCC's Sleep Clinic has provided a unique opportunity for a faculty member in the Computing Science department who is carrying out database research toward her PhD.

The sleep clinic plans to use a Web-based application created and overseen by Mila Kwiatkowska, which will help in the completion of a sleep study focused on shift workers.

The partnership was struck after Kwiatkowska became interested in computer usage in medicine, specifically in sleep medicine, respiratory illnesses and allergies.

She learned of a project that Sleep Clinic coordinator Les Matthews was pursuing related to sleep patterns and shift work and discussed with him the potential for gathering data via the Web.

Kwiatkowska's desire to work in the area of computer applications in medicine and Matthew's need for an effective information gathering tool were a perfect fit and the two began preliminary work on the project in April 2002.

The project is titled Morpheus: Web-based Comprehensive Patient Care System for Sleep and Respiratory Disorders and will include a model to measure sleep quality, sleep disorder systems and signs, creation of measuring instruments and statistical data analysis.

The researchers are currently looking for outside funding to support their study. If they receive it, the project would proceed over the next year.

"We are essentially using computers to validate our comprehensive sleep program in a unique way," said Matthews. "It will enhance our delivery

system and allow us to do research on outcomes at the same time. Our clinic would become more accessible to rural communities if proven effective in a microcosm."

Kwiatkowska's contribution to the study will be used toward completing her PhD from Simon Fraser University. Ultimately, the program she develops will be accessible by participants in the sleep study, who must complete questionnaires using the database to enter answers.

This type of (data base) application works well in information gathering when questionnaires are involved, said Kwiatkowska.

"When looking at sleep disorders, people are required to give a lot of information through questions... We will start from square one in building a Web application where they would be able to input that information.

"I will be setting up the database, data warehousing and data mining (a process that correlates certain types of information)."

Once she passes the approval process for carrying out her doctorate, Kwiatkowska anticipates she will be asking UCC computing science students to become involved with some of the research in the study.

"Students could actually be involved in building the Web application," she said.

Kwiatkowska's research is part of a growing area of medical technology known as telemedicine. In the past ten years it's been used to transport information through computer technology from one place to another. It plays an especially

important role in remote areas where X-ray or MRI information (for example), can be transferred from one healthcare institution to the next, said Kwiatkowska.

"A doctor could assess an X-ray taken of a patient in the far north and be able to determine whether or not that patient would have to be transferred to a bigger facility right away or if they had some time," she explained.

Kwiatkowska said her database application would be useful in a multitude of situations where medical information was being collected, especially through questionnaires.

"Telemedicine is a growing area where a (computer) system is designed to provide assessment and support."

In relation to sleep medicine, Kwiatkowska would like to test her work on other groups such as post-secondary student populations. She said sleep deprivation is a big problem within most campus cultures and it can have detrimental effects on educational performance and cause safety issues.

"I think there needs to be more awareness among students regarding sleep disorders. I would like to see a sleep awareness program targeted specifically to the UCC community."

Sleep disorders are associated with increased risk for hypertension, congestive heart failure, coronary artery disease and psychological disorders. While sleep disorders are very common, studies suggest only about five per cent of the population is treated.

CSOM spreads wings further

By Jennifer Muir, UCC Public Relations

One of UCC's most successful diploma programs, Computer Systems: Operation and Management (CSOM), is gaining an international reputation that is spreading to Europe.

Jack Mathews, chair of the Computer Information Systems Technology department, which oversees CSOM, says UCC has successfully negotiated laddering opportunities with two post-secondary institutions in England, the University of East London and Coventry University.

"That means if you are a CSOM graduate you will be able to do one year of study abroad at these institutions to gain a Bachelor of Information Technology."

There may also be potential for CSOM graduates to work for a year in England before entering the degree program, with job placement opportunities that could pay up to \$25,000 US in that year, said Mathews.

"There's also the opportunity to complete a Masters degree in Information Technology at the University of East London, which would take an additional year."

Since 1996, UCC International and representatives from the CSOM program have been marketing the discipline to foreign countries with

great success. Mathews said there are currently three CSOM programs running in Malaysia as well as a program that was recently established at Wuhan University of Science and Technology in China.

CSOM also ladders into UCC's Bachelor of Technology in Applied Computer Science (BTACS), a program that international students are encouraged to pursue once completing CSOM. One of UCC's latest success stories, which links an international student to the BTACS degree, is Sin Yee Wong who graduated from the CSOM program in Malaysia, then came to Kamloops to complete her degree. She was awarded the 2002 medal in Bachelor of Technology in Applied Computing Science, and is UCC's first international student to receive such an honour.

Wong is now working for a startup company and plans to pursue graduate studies in computer science. Fellow student Poh Poh Hong, who also completed her CSOM diploma at Loyal ITA in Kuala Lumpur, graduated with her BTACS degree alongside Wong.

"We are getting a few students every year going into the BTACS program, but most of our graduates are going into the workforce," said Mathews, noting the placement rate for jobs is in the mid 90-per-cent range and the average salary is about \$3,000 per month.

CSOM emphasizes the application of computers related to business solutions. The academic training combines technical and computer skills with communication skills (written and oral) and business skills. Graduates come away with extensive experience in programming languages, data structures, databases and files, hardware components and networking methodology.

A commitment to professionalism is a big part of CSOM and graduates are highly respected by the business community and qualify for a professional designation (I.S.P.) after six additional years of work experience. CSOM is one of the few two-year programs in Canada that has been accredited by the Canadian Information Processing Society (CIPS).

Mathews said the success of the program abroad has prompted his department, in partnership with UCC International, to pursue program set up in other parts of the world such as Chile.

Jack Mathews with Sin Yee Wong (left) and Poh Poh Hong from Malaysia



8 • FEATURE SECTION – advanced tech diploma programs

EDDT & DAAD look forward to opportunities through new school



David Vuong, DAAD student working on a design assignment for a business card.



EDDT faculty Paul VanZand helping students with an assignment.

A shared need for advanced computer software brought UCC's Engineering Design and Drafting Technologies (EDDT) and Digital Art and Design (DAAD) together under one department several years ago. Their growing influence in the area of advanced information technology will see them stay together under the new School of Advanced Technologies and Mathematics.

EDDT has a long history at UCC starting out as a drafting course 20 years ago overseen by the trades department, said Walter Prescott, Chair of the department. As the field of drafting became more specialized industry wide and relied more heavily on computerized software, the diploma program moved under the domain of math and statistics.

"Since the bridging to computer aided design (CAD), this area has undergone a tremendous metamorphosis," said Prescott.

The two-year program was redesigned to reflect industry changes going from a vocational to a career-technology concentration that underwent an extensive review in 1997.

"We increased our focus from CAD technology toward building technology. We increased the depth of our program and in 1999 received provincial accreditation for Architectural Engineering Technology at the technologist level," said Prescott.

The switch has placed greater focus on math and physics knowledge and less on CAD, supporting the move to teaching building technologies rather than stressing computer-aided design, solely.

Students coming out of the program may anticipate a 100 per cent job placement rate if they are willing to go out of the Kamloops area, said Prescott, noting the average starting salary for graduates is about \$2,700 per month.

"Our graduates can look forward to jobs in construction management, building design and overseeing the construction of a building."

Currently the program is looking to expand its accreditation from province-wide to Canada-wide opening further doors for graduates.

Meanwhile, the Digital Art and Design program is also going through some exciting changes that are hoped to be finalized for students starting in September.

Digital Art and Design was created at UCC in 1985 and has continually evolved to incorporate advances and applications for computer-based design and imagery. Students focus on elements of computer graphics and multimedia through a variety of graphic software applications and the development of sound visual communications and problem solving skills.

Currently, it is a one-year program that receives fine arts students with a required 30 credits as prerequisites. It is expected to move to a two-year diploma that would include fine arts courses in its first year. Prescott said the final approval for change has yet to be received.

In addition to making more seats available, the diploma could also open doors to bridging with other institutions.

The DAAD program currently accepts 24 students each year and that number could double over the next few years.

The change to a two-year diploma could also provide students outside the program with a chance to take electives in basic desktop publishing and online media if students enrolled in DAAD do not fill all the spaces in these courses, said Troy Welch, a faculty member in the program, who helped to write course curriculum for the two-year diploma.

"There's a number of areas around the institution that have expressed interest in these types of courses for their students. This diploma could theoretically lead to more courses for students outside the program," he said.

Some of the exciting additions in the new program include: an experiential learning component, a school to work transition module, increased coverage of client contact and project management, a project-based course to hone project management and self-directed learning skills and increased English language and communications coverage.

"We have also had some preliminary discussions with UCC International about increased international demand for our program," said Welch.

One of the difficulties international students have faced in the program is that professional level communication is almost entirely cultural.

"We are currently exploring ways to overcome this hurdle for an international cohort and provide cross-cultural communications exposure for our Canadian students," said Welch.

Electronics Programs look to expand output, diversity

UCC's Electronics division is also adding a new dimension to the School of Advanced Technologies and Mathematics. The division has a long history of solid enrollment, high graduate job placement rates and applied research that dovetails well with other programs under the new school.

Electronics includes three programs in addition to the first year of Core Electronics. They are Computer Automated Systems Technician (CAST), which prepares graduates for employment with companies involved with industrial automation, industrial robots, and process control; Computer Systems Technician (CTEC), which prepares graduates for employment with companies involved in computer manufacturing, consulting, and sales; Telecommunications Technician diploma, which prepares graduates for employment with companies involved in manufacturing, sales, installing, and maintenance of telecommunications equipment.

One of the most exciting developments for graduates of these programs is the potential to ladder into the Bachelor of Technology in Applied Computing Science (BTACS).

"We're in the process of articulating access to the BTACS program, creating a direct ladder from CTEC, CAST and possibly TCOM. Students would go directly into third year," said Henry Reiser, Chair of Electronics and Engineering.

"With the restructuring of BTACS, to make it more accessible, students can earn the full 60 credits from their two-year diploma."

Reiser expects students would be able to enter the program as of September 2003, with the only extra requirement being they would have to take a JAVA programming course concurrently in their first semester of third year.

Under the new school Reiser sees overlapping research opportunities for his area and others and is already in discussions with Computing Science and Math regarding a project that would involve all three departments.

"We're expecting a new level of research because we are combining department efforts and we are talking about what each is doing," said Reiser. "We see a good fit with computing science and electronics."

Another exciting area of expansion lies in the potential for increasing the through-put of engineering transfer students, also part of the department, from UCC to UBC, as well as adding a second year of engineering at UCC toward either a computing or electrical engineering degree.

Currently, students may take one year of entry level engineering, then must transfer to another institution to continue their studies.

"We'll know soon if we have the financial support of UBC," said Reiser. "We anticipate it costing about \$400,000 per year to double student through put. We would be looking at lab space, equipment and the cost of faculty."

If approved, the change could create a win-win situation between UBC and UCC in that the large school would have less attrition and UCC students could stay another year in a community that has a lower cost of living and lower tuition rates.

UCC STUDENT TEACHERS

In support of student teachers at UCC, five school districts in the region have agreed to final year placements of three months to help further the students education.

Every fall, from the start of September to the end of November, students in their second year of the Bachelor of Education program are matched with a classroom teacher in the Kamloops, North Okanagan Shuswap, Nicola-Similkameen, Gold Trail and Cariboo Chilcotin districts.

The relationship over the past several years has been greatly beneficial to students in that they get a real taste of teaching, while most teachers say the addition of a practicum student adds a new and positive element to the classroom dynamic.

UCC students are placed in a variety of school programs from French immersion to First Nations and ESL classrooms. Placements outside the Kamloops/Thompson district are in small communities

such as 100 Mile House, Merritt, Ashcroft, Clinton, Lytton, Enderby and Armstrong and students have some choice as to where they wish to be placed.

The school districts have been very encouraging of partnerships with UCC's Bachelor of Education program and without the districts' support and that of the mentor teachers (school advisors) the program would not survive.

School advisors who volunteer to mentor student teachers receive no honourarium from their school district or UCC, they do it for love of the profession, for continuing the legacy and as a service to new up and coming teachers.

The following stories by Carlos Martinez, a third-year UCC journalism student, outline the experiences of three student teachers in their final year of the Bachelor of Education program.



Rock collection helpful way to get students' attention

UCC Bachelor of Education student Kevin Serl took advantage of his final year practicum experience at Marion Schilling elementary to draw Grade 6 and 7 students' attention towards geology.

"I have a decent rock collection, which the students thought was the coolest," said Serl.

As a student teacher, he found science the most exciting class to teach. It was after he found out that his school advisor planned to take her students on a class trip to Drumheller in June 2003, that he asked if he could do a geology/fossil unit to help prepare them for the experience. Having taken several geology and geography courses himself at UCC, Serl believed he could teach the unit.



Kevin Serl

"I was confident that if students were to ask a wacky question, I could have answered it because I know a fair bit about the subject," he said.

Serl said the unit was a great success because of the students' unbridled enthusiasm for discovering and learning about rocks and ancient creatures.

The unit also went a long way in helping Serl develop a teaching style that didn't include yelling.

"From the very first day I told them I never wanted to raise my voice. We talked a lot about respect and how yelling at them wouldn't be respecting them as people," said Serl.

He believes involving students more in the teaching process, rather than dictating orders to them, unleashes their curiosity and independence, which he said is very handy.

"I would ask them what they wanted to do that day. I wanted them to learn for the sake of learning, not because I was the teacher and told them so."

Serl added that in terms of control, Grade 7 is one of the most challenging classrooms.

"Their minds are elsewhere. They are thinking about their shoes... and some are even thinking about girls and boyfriends," he said.

Despite the difficulties, the 27 year old was able to establish a close relationship with his students.

"They would relate a lot more to me because I am still a student just like them. We listen to the same music and watch the same movies," he said.

Being one of the few male teachers and almost ten years younger than most of his colleagues, Serl became a role model for many.

"Some would ask me about high school. We even had some pretty good drug and alcohol discussions," said Serl.

His biggest motivation for becoming a teacher is to leave a legacy in the community and inspire kids to higher education.

9 • education

Teaching Grade 7 brings pleasant surprises

UCC Bachelor of Education student Krystal Thompson believed 11- and 12-year-old children would be hard to handle, let alone teach. So when she started her extended practicum in her final year teaching 60 Grade 7 students in Coquihalla Middle School in Merritt, she was intimidated to say the least.

In fact, Thompson expected her practicum to involve teaching Grade 4 children and designed schoolwork accordingly. However, a change in school advisors with only three days notice led the student teacher in a different direction. Thompson's practicum was relocated to the Merritt middle school, where according to Thompson, "they love student teachers."

"I didn't want it at first, but I learned a lot more here than I could have in any other place," she said.

Luckily for Thompson, the teachers at Coquihalla Middle School were very good supporters and encouraged her all the way. As for her school advisor, "she was excellent and amazing," said Thompson.

Throughout her practicum Thompson learned about various styles of teaching and at the end,

decided to come up with her own style. She tried to be strict with students and establish authority while at the same time letting loose.

"A lot of humour was very helpful," she said.

For Thompson, teaching Grade 7 children involved more managing skills than teaching.

"It was more about keeping them under control," she said.

After spending 13 weeks teaching in Coquihalla Middle School, Thompson developed a bond with her students, which encouraged her to redefine her career path.

"If you would have asked me about Grade 7 teaching before I would have said 'no.' Now it doesn't bother me."

That special teacher-student bond has made her wish she could work in Coquihalla Middle School on a full-time basis.



Krystal Thompson surrounded by students

"I hope I can get a job here. I really like the kids. They were especially great this week. They were all concerned about my pass or fail assessment interview. When I told them I passed my practicum, they all cheered," she said.

Classes at UCC helped Thompson pick up the tools needed for teaching, but it was the practicum that showed her what teaching really is about.

"Classroom time idealizes teaching. In teaching, there are curve balls. Practicum gives you the tools to handle them. I feel like I can handle pretty much everything," said Thompson.

"It's like some of the teachers said to me, 'once you make it through middle school, you can make it anywhere.'"

The following excerpt on hosting a student teacher was written by Pam Lovett of Dufferin elementary.

I have had the pleasure of hosting a UCC student teacher in my Grade 3 class since the beginning of September. The thirteen-week practicum will be completed the end of November and I am beginning to wonder how I will survive without my student teacher. Luckily, December is a short month so I should be able to muddle my way through until the end of 2002.

First, I have to admit I am very lucky. My student teacher and I have a great relationship. She is 31 years old, she is intelligent, mature and she has had some life experiences in the real world. We work together as a team. After school we discuss how our day went and the funny things our students did, then we plan for the next day. I share insights into helpful things I have learned for the past 14 years working as a Primary teacher in three different school districts (Summerland, Langley and Kamloops).

My student teacher has access to my files, my professional books, my theme boxes and my personal collection of other teacher stuff. I try to assist my student teacher so she isn't reinventing the wheel, when she is planning her lessons.

When I think back to my own practicums, when I did a teaching degree at UBC in the mid 1980s, I know my student teacher is getting so much more than I ever did. Back then, practicums were only three weeks long... I would spend my practicum trying to imitate

the teacher to the best of my ability. I learned a small amount about how to be a teacher but it wasn't nearly enough.

My student teacher was with me for the last week of August as we spent a few days planning for the arrival of new students. She got to see how a teacher sets up a Primary class and how a teacher relays routines to young students. Together we faced situations such as which spelling program and which readers we would use with a particular group of children.

My student teacher also played an important role at Meet the Teacher night in October. Since she had spent so much time working with my students she was able to answer important questions parents asked. The parents had two adults to confer with rather than just one. In November, my student teacher and I will be writing our first term report cards. Although she is officially responsible for writing five of the 24, I am looking forward to collaborating with her on all of our students.

Would I take another student teacher on a long term practicum? You bet. I know I might not be so lucky the next time but I feel it is worth the risk.

Do I recommend other teachers should take a student teacher on their final practicum? Well, there are three final practicum students at our school and we are all very happy and enjoying the experience... so, yes. I think it has been a wonderful experience.

Challenges part of life for Christine Curry

Christine Curry has always enjoyed challenges and pushing herself to do her best.

Her final practicum as a UCC Bachelor of Education student at Lloyd George elementary in the French immersion program was no exception.

"Great experience, great kids, great class," Curry said.

No longer was she merely speaking to children, she was now performing as a teacher.

"It's a certain challenge because you are being scrutinized all the time," she said. "I think (Lloyd George) is a great school. It's the reason why my daughter still studies there."

According to Curry, teaching involves a lot of adaptability.

"Teaching is dynamic. It has to change with the world," she said.

While adapting to the needs of children, Curry developed her own method of instruction that agreed with her personality, tools and expected outcomes.

"I am fairly strict I would say. (As a teacher) it's easy to know what to expect from me. Kids need to know what to expect at that age," she said.

Curry believes children are not "little adults" and that they possess, "a culture of their own."

"We need to recognize that children are different and their needs are different than ours."

Classes gave Curry technical and theoretical bases needed for teaching, as well as the ability to adapt to many situations.

"Especially when teaching reading, technical aspects are essential. A lot of research has been done," Curry said.

Looking back, the moment Curry most enjoyed during her fall practicum was when her class was having a difficult time understanding a concept, then finally got it.

"Good students will do well no matter what, but it's those students that find it hard to understand, who are delighted to get a C+ instead of a C."

Christine Curry



UCC launches 13th training house in partnership with homebuilders

By Jennifer Muir, UCC Public Relations

Who says 13 is an unlucky number?

For UCC students in this year's residential construction, trade entry plumbing and electrical, telecommunications and horticulture programs, 13 is something to take pride in.

The number signifies the 13th training house project to be completed jointly with the Canadian Home Builders' Association of Kamloops, a process that has historically been widely successful, both as a community partnership and a valuable learning exercise. Last year's training home was honoured with a gold award from the Thompson Okanagan Housing Awards for Outstanding Contribution to the Housing Industry.

The home builders organization oversees the project as general contractor and is responsible for providing materials, while the students complete all the leg work from framing, heating and plumbing to wiring and landscaping, depending on their area of study. By using this project as a practical learning experience, students are provided with real world situations and are that much further ahead upon graduation. Employers who have hired UCC graduates agree the opportunity to participate in such an experience puts them that much further ahead than others entering the trade.

Keeping current with building techniques to meet industry standards is a big part of the program development. For instance, this year students were introduced to using steel studs on the exterior wall in the basement of the house.

The idea was to give them "some exposure to steel stud installation, in case any of them find jobs in the commercial sector of the construction industry," said Hank Bangma, instructor for the residential construction program.

For the third year in a row, the training home site is located in the Sun Rivers Resort Community. Having the opportunity to build in a high-end subdivision has been quite beneficial to students, said Bangma, noting that building a higher priced home means students will benefit in a number of different ways.

"They are exposed to a higher quality of material used in the finishing stages. ... This will allow them to see some special situations as far as room sizes, joist spans and the different sized beams needed to carry the longer loads. Third, ... the house is larger so I can find more work for them to do, thereby gaining more varied experience.

"Just the mind set of building a higher priced home the students level of pride goes up because the house is more appealing," he added.

The consensus from residential construction students is that the experience is very valuable in terms of getting future employment.

"I was hoping to get into a field that would lead to a job," said Neil Piper, a graduate of Barriere secondary who came to UCC in September. "I think this is an excellent opportunity to learn hands-on construction. Everyone has been really positive about this experience."

Classmate Steven Tardi of Kamloops said he also sees the real world experience as a fast track to job opportunities.

"It's been an awesome experience and a lot of fun. There's a lot of hands on," said the 18-year-old who hopes to find work in Kamloops when he graduates.

Once the home gets to a certain stage of construction, students in trade entry plumbing, electrical and telecommunication come on board. Later this spring, students in the horticulture program will design and landscape the yard.

The 2002-2003 project will be a Jenish Home Design supplied by local home plan dealer, ProCad Designs. ProCad Designs owner David Graham is a graduate of UCC and has also established a Web site to track the progress of the training house project from ground breaking to completion. The site has several pictures as well as architectural drawings and information on the building partnership. View it at www.procad designs.com/2003_dream_house/2003_training_house.html

In each of the past five years, the training house has been purchased by the Kamloops Y for its annual Dream Home Lottery. A portion of the proceeds from the \$100 tickets has gone toward student bursaries and new equipment for UCC as well as supporting community-based projects and training for the Canadian Home Builders' Association. Previous to the dream home partnership, the training house was sold on the open market.



Notes



Dr. Douglas Wood



Howard Mayer



L-R Overwaitea Manager Gord Johnson, Ernie Ware, Cariboo Student Society president and city councillor John O'Fee help to fill the shelves



Don Campbell Memorial Garden – a living tribute to former instructor

Winter snow may be covering it for now, but a green-thumbed tribute to a former Food Training instructor at UCC is benefiting Cook Training students now and in years to come.

A ceremony in recognition of the Don Campbell Memorial Herb Garden was hosted in the fall with current and former staff, students, friends and family of Campbell in attendance. Campbell passed away a few years ago, but is remembered as a vibrant instructor who had a zest for life.

The garden, located on the southwest side of the Food Training Building, contains perennial and annual herbs in planter boxes as well as two concrete benches. Lisa Nielsen, the groundskeeper at UCC, designed the site and planted the herbs last spring.

The addition of fresh herbs in close proximity to the food training centre has been greatly beneficial to the program, said Mark Perry, Chair of the Food Training programs.

"In September and October we were using it several times a day. Being able to pick fresh herbs, quality and accessibility wise, it's been great. It also costs a lot less money than buying them."

Originally, Campbell had planted herbs in an area that was later used to put a new heating unit in along the side of the Food Training Building.

Now his initiative will have a special spot to live on, a place that benefits students and adds another level of horticulture to the campus.

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UCC students part of Interior's first Master of Social Work graduating class

Nine Bachelor of Social Work graduates from UCC, along with two social work practitioners from Kamloops, were part of a graduating class of 20 who received their Master of Social Work in a ceremony in Kelowna Dec. 3. The special ceremony marked the B.C. Interior's first graduating class from an MSW program. UCC President Roger Barnsley joined UBC President Martha Piper at the Coast Capri Hotel ceremony to mark the occasion. The Master of Social Work, a UBC program delivered in partnership with UCC and Okanagan University College, allows students to study on a part-time basis while continuing with their employment. Eight UCC social work faculty members were involved with the program, both in teaching and supervising theses and graduating essays. Courses are offered on-line and face-to-face over a three-year period.

Christmas Hampers for students campaign

Thanks to the generosity of many volunteers and departments at UCC, 29 hampers were distributed this past holiday season to students (28 in Kamloops and one in Williams Lake). The following individuals deserve recognition for their efforts: Linda McMillan, project leadership and coordination, Hazel Green, organization, Garry Prevette and Barb Primus, identification of recipients and Karen Gamracy, organization of Overwaitea gift certificates. Those that helped move and deliver the hampers included Jeff Mostyk, Lee Emery, Ley McMillan, Peter Moyls, Shane Rollans, Jim Bray and Jim Wiley.

Doctor's welcome

UCC welcomed Dr. Douglas Wood this month where he will take up the position of campus physician. Dr. Wood was born and raised in Kamloops and after receiving his medical training at UBC, served as base surgeon at Canadian Forces Base Shilo in Trenton, Ontario. More recently, Dr. Wood was serving patients locally at the Valleyview Medical Clinic and as a locum physician at the offices of the North Shore Treatment Centre, for Dr. Stinson and the Summit Medical Clinic. Dr. Wood has been involved in all aspects of patient care including preventative medicine, minor trauma and sports injuries. Dr. Wood is available by appointment by calling UCC Health Services at 828-5126. His office hours are 8:30 a.m. to 4:30 p.m. (Monday to Friday).

Trades and Technology administrator says good bye

Howard Mayer has headed home. UCC's former Trades and Technology Program Development Administrator accepted a position at Northern Lights College in Dawson Creek as assistant campus principal. Mayer left the end of November and says Northern B.C. is home to both he and his wife and was the place where he started his career teaching at the post-secondary level.

"My first ten years I taught at Grand Prairie Community College, which is only about an hour-and-a-half from where I'll be now."

Mayer has contributed to program development, partnerships in trades and technology and has served on numerous committees during his time at UCC.

He came to this institution in 1989 and in that time served as continuing education coordinator for Trades and Technology and assistant dean of Trades and Technology as well as his most recent position.

Feed A Mind Campaign

The cupboards at the Cariboo Student Society office at The University College of the Cariboo went from bare to overflowing, thanks to a donation of over 100 donated food packages from the UCC Foundation's Feed A Mind initiative, sponsored by Kamloops Daily News, Broadcast Centre, and Kamloops Overwaitea.

The initiative, undertaken in November, aimed to raise money for student financial need awards. People shopping at Overwaitea could pick up one of two Feed A Mind food packages: one containing breakfast items and another containing some general food items.

Overwaitea donated \$1.50 from each food pack to the UCC Foundation. The \$900 raised went directly to student financial need awards, while the CSS distributed the more than \$500 worth of food donations to needy students.

Rural Pre-health Co-ordinator heads to Asia

Tanya Tarlit, who has co-ordinated the Rural Pre-Health Professional program since May 2001, has headed to Korea to teach English with her husband Steven. Tanya and Steven are both graduates of UCC and plan to stay in Asia for a year.

Chorus CD

The UCC Alumni Association, in conjunction with UCC's Visual and Performing Arts Department, has produced a CD of works performed by the UCC Chorus entitled On Student Street. The CD is on sale at bookies and the Alumni Association office for \$18.95, with proceeds going to student awards.

Film Website

Ginny Ratsoy (English, Canadian Studies), Alan Brandoli (Visual Arts) and Andrew Wong (Visual Arts), along with Christina Neigel (Library) and third-year Arts student Joel Bastedo expect to launch the UCC Canadian and Alternative Web site this month. The site will offer extensive links, scholarly articles and UCC student essays, a UCC library guide, and other features.

Global on Campus

On Wednesday, Nov. 6, UCC hosted Global Television's news hour cast and crew as they broadcast the news live from campus in front of the Campus Activity Centre. Despite the poor weather conditions, a sizeable audience composed of campus and community members stayed for the entire broadcast. Showcased during the program was the Computer Automated Systems Technician program with students and instructor Henry Reiser demonstrating robotic operations.

Nursing instructors present international program highlights at conference

A successful, four-year nursing project between UCC and practicing nurses in Nepal will be the subject of a presentation at the Western Region Association of University Schools of Nursing conference and AGM.

Karen Abbott and Sharon Simpson, faculty members in the UCC School of Nursing, are attending the Feb. 20-22 conference on behalf of the institution and will make a 20-minute presentation titled

Nepalese Nurses Influence Change in their Practice Setting, an overview of the program, which has been going since 1998.

One of the purposes of the project is for the Nepalese nurses to develop leadership and management skills through course work and a four-month practicum experience in Canada. Twelve nurses from Dhulikhel Hospital have had the opportunity to experience nursing practice in Canada.

"Most have gone to the hospital, but we really look at the needs of each nurse that comes here and design a course that will best suit them," said Abbott.

The February conference, titled Energizing Nursing Leadership Through Teaching, Practice and Research, will be hosted in Lethbridge.



Sharing child-birth experiences

Families who are expecting a baby are invited to share their pregnancy and childbirth experiences with students from the UCC Nursing Program. If you are expecting a baby between mid-January and mid-March 2003 and are interested in assisting in the learning of a nursing student, call Patti Bradley at the School of Nursing at 828-5401.

The objective is for the nursing students to gain experience interviewing a child-bearing family, thereby gaining a better understanding of how the family as a whole copes with pregnancy, childbirth, and the addition of an infant to the family. Students visit each family in pairs.

The nursing students' knowledge and understanding about childbirth increases by visiting the family in the home before and after the birth, and by attending a doctor's office visit, a prenatal class visit, and a hospital visit. The family has the option of participating in a few or all of these types of visits, and also has the right to cancel the visiting project at any time.

Recreation Management Diploma

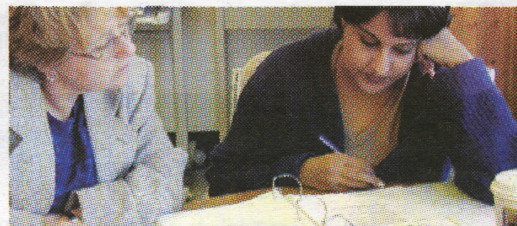
UCC is delving into a new area – recreation management – through a partnership with Malaspina University College with plans to offer a two-year diploma starting in September 2003.

Program delivery is still being worked out and ultimately approval must come from the UCC School of Tourism and Malaspina University College, says Andrew McKay, a UCC Continuing Studies coordinator who has worked on bringing the program here.

"The impetus for this started with members from the Adams Lake Indian Band. They are building a recreation centre and wanted a program to train employees for jobs that would be available there."

McKay said the program, which would include a cooperative education element, provides a high potential for employment with positions that have a range of salaries.

"There is a wide range of places a student can go with this. The area is wide open as far as jobs go."



Yvonne Lord (left) and student, Daisy Sangha, working on one of Daisy's courses through Open Learning (BCOU)

Distance Learning Support Centre a success in Merritt

Encouraged by the response from the Distance Learning Support Centre in 100 Mile House over the past three years, UCC has launched a similar program at the Merritt campus.

The centre provides support services, computer equipment, study space and information for people enrolled in distance education courses at UCC and any other post secondary institutions in the world, explains Yvonne Lord, coordinator for the Merritt location. The goal of distance learning support is to help make distance education a successful experience by providing a meeting place for learners and by offering a wide range of support services.

"If people live in Merritt and have need of computers, e-mail or faxes, or if their home atmosphere is too demanding or too noisy, they can come here to study. We offer a variety of educational technology as well as learning and coaching incentives."

Since opening at the Merritt campus in September 2002, about 80 people have accessed the Distance Learning Support Centre, most who are looking for a program through distance education, but do not want to leave the area, Lord added.

She is encouraged by the wide variety of program areas students are accessing through the UCC centre including business, health, arts, and education.

"We even have one student who is completing her Masters in International Health through a school in Australia," said Lord.

While UCC remains the only school in the province to offer such services, she said many colleges in Ontario have distance learning centres that have proven to be a great support for students.

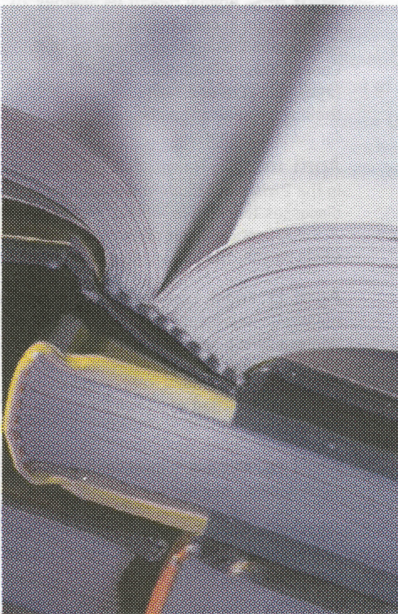
"A lot of the time is spent finding people a program. People know what they want to do, but they don't want to leave Merritt," said Lord. "It's finding the right fit."

Services and support the centre provides include educational planning, registration assistance and advocacy, plus workshops in study skills, time management, essay writing, math refresher, and computer skills. The facility also offers access to library resources, study space and examination supervision.

For more information on the Distance Learning Support Centre, please call Yvonne Lord at (250) 378-3393 or (250) 378-3394.

UCC continues to expand horizons with Weekend University

By Jennifer Muir, UCC Public Relations



Making the most of Friday nights and Saturdays takes on a whole new meaning with the introduction of Weekend University at The University College of the Cariboo.

The innovative initiative was launched by UCC this month to accommodate students who want to work toward a university degree, but can't attend regularly scheduled classes because of time commitments, families, careers and other everyday realities.

The idea stemmed from requests for courses at non-traditional times as well as a provincial government directive to better utilize the institution during non-peak hours such as summers, evenings and weekends.

"It's something that people want – especially those who can't quit their jobs to attend school full-time," said Heather Friesen, Weekend University coordinator at UCC's Kamloops campus. "Since we launched this we have had people calling in and saying 'finally, thank you.' It's been a long time coming."

The first courses, English 110 and Economics 190, started in mid January and a selection of others in business, psychology and math commence throughout the year from April to December.

Flexibility is one of the greatest assets of Weekend University because students may set their own pace choosing one or two courses at a time, which are completed every 10 to 12 weeks. The courses follow the same curriculum and require the same number of hours as regularly scheduled classes and are typically hosted from 6:30-9:30 p.m. Friday evenings and from 9 a.m.-4 p.m. Saturdays. Courses run every other weekend so that students who have time-consuming commitments have a weekend in between to complete homework assignments, said Friesen.

Those who wish to take two courses at once can take them on alternating weekends and future plans include offering compressed delivery courses from April to August – each weekend – so that students may finish courses in a one-month period.

Based on responses from a survey circulated last June asking for the public's input on having Weekend University, Friesen expects the program will find a respectable following.

"We did a marketing analysis of 800 people in the Thompson-Nicola Regional District and of those, 56 per cent responded and said they were interested. Of that 56 per cent, about 60 per cent said they were really interested. Those results are very encouraging."

UCC also researched about 20 other institutions in Canada and the U.S. and found many had reasonable success marketing the concept to mature students looking to upgrade their education credentials. UCC's Williams Lake campus has been running a successful First Nations Weekend University program for the past couple of years in partnership with UNBC and the Cariboo Tribal Council. That program has traditionally been offered during the summer on weekdays.

So far in B.C. only UCC and SFU offer weekend university options, and Friesen said this program is starting out small with a limited offering of courses to get a feel for the response. But she expects after a year or two of running Weekend University, numbers of students and courses will increase. For now, courses are intended for students working toward a Bachelor of Arts or Business Administration degree.

Tuition is \$450 for each course, about 50 per cent more than a regular tuition and students are reminded to budget about \$100 to \$150 more per course for textbooks. Registration is ongoing and can be done by e-mail, fax or in person. For more information, please call 377-6050 or check out the Web site at www.cariboo.bc.ca/weekendu

**Weekend
UNIVERSITY**

www.cariboo.bc.ca/weekendu



Fellowship maintains bright light of Robert Frazier

By Carlos Martinez, UCC Third Year Journalism

Nothing could ever replace Joan Frazier's memory of her son Robert, a bright and well-liked 22-year-old UCC science student who was tragically killed in an automobile accident in June 1991.

What does give this mother and former UCC instructor solace, though, is the knowledge that she and her family are financially assisting other UCC science graduates through an endowment fund established in Robert's name.

"(It's) not a whole lot, but it takes the edge off. I needed something that gave me hope," said Frazier, who taught for 17 years in the UCC Home Support-Resident Care Attendant program.

"At first, I gave whatever (money) I would have given Robert in a year."

Soon after, with generous support from UCC staff members, faculty, friends and matching dollars from the provincial government, her family established UCC's first science fellowship, the Robert Frazier Memorial Fellowship. Since its inception, the award has grown to be one of the biggest endowment funds managed by the UCC Foundation. The Frazier family now supports a science student who is pursuing graduate studies with an award between \$5,000 and \$6,000 annually.

"Our graduate students supported by this fund have been involved in some very impressive work over the years. We are proud of the advancements the 'Frazier Fellows' have made in Science and the notoriety that they bring to UCC," said Kathleen Biagioni, executive director for the UCC Foundation.

"For the past 10 years, one of the most rewarding aspects of my job has been the annual call the Fraziers allow me to make to the chosen student. The elation and the appreciation the students express helps comfort us with our loss. Robert's legacy lives on in the work and accomplishments of these students. Over the years, the candidates have been outstanding."

This time around has been no different. Of the two short-listed candidates for the fellowship, Murray Borthwick, a 2001 science graduate who is now in his first year of medical school at McGill University, was chosen for the award. Borthwick had an excellent academic record while attending UCC and was the winner of the Governor General's Silver Medal (given to the top graduating student in bachelor's program), as well as being a recipient of the prestigious undergraduate NSERC research award.

"Sitting here in the old lectures halls I think how fortunate I am and what got me here," Borthwick said from McGill recently. "The Frazier family (is one of) the biggest reasons."

Borthwick had his sights set on attending medical school since he was a teenager and he always knew he wanted to attend McGill. So when an opening in their school of medicine became available, he accepted the admission. The only stumbling block Borthwick faced was assembling the money he would need to attend McGill.

"I got panicky," he said. "I went to the Financial Aid office at UCC and applied for all the awards I was eligible for."

When the Fraziers saw Borthwick's application for the science fellowship, they knew he was a perfect candidate. His letters of reference were exemplary and his resume reflected a student who had potential to do great things.

"I know that when medical students start off, they have no funding," said Joan Frazier. "Right now, I know (the fellowship is) very helpful. It eases parents' burden."

Apart from meeting the specific criteria, students applying for The Robert Frazier Memorial Fellowship are required to write a letter describing their goals and career expectations. The Frazier family closely studies the letters.

"We all get together and choose someone. It's not just about the academics. (The recipient) should also do other things in life," said Frazier. "Some of my grandchildren are starting to get involved in the selection process. We chose to give people a gift, just as Robert's life gifted our lives."



Joan Frazier



UCC Foundation Annual Gala

The UCC Foundation hosts its annual Gala Feb. 1 in the Grand Hall of the Campus Activity Centre. Arabian Nights is the theme for this 11th gala and the sold out event is expected to raise close to \$50,000 for students. The evening features a five course meal prepared by students in the Cook Training program under the direction of Jeff Jordan. More than 180 staff members, volunteers and performers will contribute to the co-ordination of this spectacular event.

Foundation announces new initiative to double donations

Submitted by the UCC Foundation

On Nov. 21, 2002, 460 students were invited to gather in UCC's Grand Hall to receive donor awards, bursaries and Foundation funds. Close to 200 donors were on hand to present the funds to students. In all, it is expected \$715,000 will be given out over the 2002-2003 academic year in scholarships and bursaries, the largest amount in the history of UCC.

Award money can make a huge difference to students struggling to pay for their education. Students at the ceremony expressed their gratitude to donors who presented them with their award money, noting those funds would be used for tuition, books, supplies, field trips and other educational expenses. In subsequent thank you letters and cards, many said it gave them the boost they needed to continue their studies next term and that it was great to know others were rooting for them to finish their education.

Yet, with all the award money given out this year, there are still many needy students who applied for help and will not receive it. Student financial needs continue to rise due to a variety of social, financial and educational pressures. Nine hundred applications for awards were received this year and only about 50 per cent will be funded, said Garry Prevette, UCC manager of Financial Aid and Awards.

The UCC Foundation's volunteer board of directors and newly expanded volunteer society, which is made up of community leaders, works diligently to raise money for student awards.

Their motivation is to help people that are working to make a better life for themselves, their families and the community.

"For many students, the extra money makes a huge difference in their financial situation," said John O'Fee, Foundation Annual Campaign chair.

A number of student scholarships and bursaries are sponsored by UCC faculty and staff for students in their programs and the UCC Foundation is working to increase internal funds.

Through payroll deduction and other vehicles, awards with specific criteria are very easy to set up. Right now is an excellent opportunity to start a fund as the Foundation is offering matching money for any new awards created by the internal UCC Community.

The Foundation will also match any donation over \$500 towards student awards from individuals or groups in the community. If you would like to find out how to set up a new student award fund, please contact Karen Gamracy at the Foundation, 371-5715.



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events



Santa with helpers - UCC kids Christmas party

Feb. 6. Martin Whittles and David Scheffel of the Department of Anthropology, Faculty of Arts, will speak on Cross-Cultural Teaching Experiences in the Arts and Education Building, Room AE366 from 12 - 1:30 pm.

Feb. 13. UCC alumnus Craig Pamplin (B.Sc - Chemistry) returns to campus as a guest speaker in a Science seminar series. Craig is now doing post-doctorate work at UBC and will share his experiences with UCC science students. His talk begins at noon in the Science Building, S373.

Feb. 8. UCC Friends of the Garden presents Creative Coasters: how to turn your favourite photo, a little glue, ceramic tiles, varnish, and foam, into eye-catching coasters that make great gifts. Seminar runs from 9 a.m. to noon in Horticulture House 10 with instructor Dot Thacker. Class is limited to 20 spaces and cost is \$20 for members and \$25 for non-members. For more information, please call 828-5181.

Feb. 17 - Feb. 21. Mid-semester break. UCC open (not all programs in session).

Feb. 26 - March 1. UCC Actor's Workshop presents its winter semester production Beautiful City by acclaimed Canadian playwright George F. Walker. The comedy begins in the Alumni Theatre, Clocktower at 8 pm. and tickets are \$8. For more information, please call Wesley Eccleston at 828-5020.

March 1. UCC Friends of the Garden presents Honey, I Shrunk the Garden for children ages 8 to 12 with instructor Kevin Scollon. Seminar runs from 10 a.m. to 1 p.m. in Horticulture House 10. Come and learn about the miniature world of terrariums from good plants to bad bugs. All supplies included for children to build their own terrariums to take home. Class is limited to 12 spaces and the cost is \$20 for members and \$25 for non-members. For more information, please call 828-5181.

March 4-7. Career Connection 2003 Job Fair. A collaboration of The Student Employment Centre, The School of Business and Economics, and The Department of Co-operative Education and Career Development.

March 6. A presentation by Dr. Stella Atkins, Professor and Director of Center for Systems Science, School of Computing Science, SFU titled Seeing inside the Brain: Visualising and Analysing Magnetic Resonance Images. This talk will introduce the scientific principles of Magnetic Resonance Imaging and describe some image processing techniques for medical image analysis applications.

March 6. A return engagement by P.E.I. humourist, playwright, author and broadcaster NILS LING who kept audiences laughing for a solid hour when he told The Truth About Daughters last year. This time his topic is The Truth about Love and/or Marriage and goes from 12:30 - 1:30pm in the Alumni Theatre. For more, call Philip Schettini 828-5362.

March 10-14. UCC International Days, a celebration that includes demonstrations, displays, dances, food and other features from more than 40 different cultures studying on campus.

March 13. Jane Powell of the UCC School of Education will discuss the China/Canada Mathematics Symposium: Knowledge Exchange in a Cross-Cultural Setting, which was hosted at UCC in October 2002. Her talk will be given in the Arts and Education Building, Room AE 366 from 12 - 1:30 p.m.

March 22. UCC Friends of the Garden presents Rhododendrons for Kamloops with instructor Ray Visser from 9 a.m. to noon in Horticulture House 10. Rhododendrons in the spring are one of the most beautiful plants in the landscape. Come and learn the different varieties available to the gardeners of Kamloops and area. Class is limited to 20 spaces and cost is \$20 for members and \$25 for non-members. For more information, please call 828-5181.

April 4-5. Animal Health Technology 20 year reunion in conjunction with the AHT Association Conference, hosted by UCC. Contact Wayne Hollingshead (AHT) (250) 828-5178 or e-mail (hollingshead@cariboo.bc.ca) for more information.

April 10. Gerry Hewitt, an ESL instructor in the Division of Student Development discusses Teaching in International Contexts in the Arts and Education Building, Room AE366, from 12 - 1:30 p.m.

April 11. Friday. Last day of instruction for the Winter semester and to withdraw from a Winter semester program.

April 11. UCC Annual Retirement Dinner. Call Arlee Strachan 371-5740 for more information.

April 14. Monday. Winter semester examinations begin.

April 15. 3 pm. Staff Awards Ceremony. CAC Rotunda. Call Arlee Strachan 371-5740 for more information.

April 18. UCC closed - Good Friday.

April 26. Saturday. Last day for winter semester examinations. Winter semester ends.

1970s

Dan Hazell (Business Admin. Dip. '72) was a charter student of Cariboo College and took classes at the first location in the Kamloops Indian Band Residential School. Dan was also the first Cariboo College graduate to obtain the Certified General Accountant designation in 1976. After graduation, Dan joined the firm of Rudd Gould & Elliott (now KPMG) and worked there until November 1978, when he purchased an existing accounting firm in Kamloops, which he continues to operate to this date. His firm, Hazell & Co. Certified General Accountant, has four full-time and one part-time staff and is being joined by a fellow CGA as an estate and financial adviser. That will enable the joint office to provide a one stop service centre for clients' financial requirements.

1980s

Dr. Keith Hasler (University Transfer '82) attended Cariboo College from 1980 to 1982 and played varsity soccer and badminton, then transferred to UBC where he completed a Bachelor of Science in 1985. He went to Western States Chiropractic College and received his Chiropractic Doctorate in 1993. He returned to Kamloops where he has been practicing since. Keith is active in volleyball, soccer, skiing and hockey and also plays keyboards and drums in various projects. Keith has an office at 105-1150 Hillside Dr in Kamloops and can be reached at (250) 377-4141 or drhasler@mail.ocis.net.

UCC has many family connections, including **Diana Hohne-Sinclair** (Bookkeeping Cert. '83) and daughter **Nicole Hohne** (BSW '98). Diana has worked at UCC since completing her certificate and is currently the secretary/receptionist for the Division of Student Development. She has also taken further courses at UCC, including library aide and the Computer Applications certificate. She is active in the UCC, Kamloops, and Metis communities, serving on many committees and boards. Her daughter Nicole is currently at home on maternity leave with son Jason, Diana's first grandchild. In addition to her degree, Nicole has her Human Service Worker certification as well as Mental Health and Anger Management certificates and plans to continue with her Masters in Social Work. She has worked in several group homes and now works for the Sto'lo Nation in Family Services.

Micheal (University Transfer '89) and **Nicole** (Laberge - Nursing Diploma '95) **Biagioni** welcomed their fourth son, Daniel Robert, on November 9, 2002. The couple lives in Comox where Micheal, a UBC Pharmacy graduate, owns a Shoppers Drug Mart. Grandmother Elizabeth Biagioni, the long-time nurse in UCC Health Services, was in attendance for the birth.

After finishing her diploma, **Dana Koch** (Digital Art & Design '89, Computer Systems Operations Management '95) worked in Vancouver for a multimedia firm. A few years later, she returned to UCC to broaden her knowledge base in the CSOM program. During her studies, Dana worked for Weyerhaeuser as their corporate graphic designer through the Co-operative Education program, remaining with them for five years after completion of the program. Facing restructuring at Weyerhaeuser, Dana took the opportunity to start her own design business, Koch Ink (www.kochink.com), which she operates from her home in Kamloops. She is involved with many local organizations including the Chamber of Commerce, Jaycees, and the Kamloops Heritage Society. In her spare time, Dana enjoys many outdoor activities and restoring her heritage home.

1990s

Becky (Drinkwater) Birch (Computer Systems Operations Management '90) was hired by the BC Lottery Corporation upon completion of her program and remains employed there to this day, most recently in Casino Systems as a data architect and in systems support and development. Becky is a proud new grandmother to Seth Gordon, a son for her eldest, Kevin Drinkwater. Her son **Scott** is following in his mother's footsteps, starting in the CSOM program this January and her youngest son **Max** will be starting in the Career Technical Centre at UCC in the fall.

Heather Friesen (University Transfer '90) completed a BA at UBC in 1993 and will graduate in June with an MBA from the Edinburgh Business School. This year Heather celebrates ten years of working at UCC in roles such as academic advisor and research analyst. She is currently an instructional liaison officer, which includes responsibility for the development and coordination of the new Weekend University (www.cariboo.bc.ca/weekendu) as well as co-ordination of UCC's Summer Session. Heather says, "I am continually impressed with the educational and professional opportunities that UCC affords its community and I consider myself very fortunate to be part of the team."

Jenny Jupp (Partsperson Cert. '95) is working in the Lower Mainland for Altrom Canada Corp. (www.altrom.com), where she is responsible for the research and purchasing of European automotive parts for the North American wholesale market. Prior to this, she was employed at Kamloops Select Auto for four years while (with that company's support), she obtained her certification of apprenticeship in automotive parts through Kwantlen University College. In her spare time, she volunteers for her local community centre with the senior's craft group and is looking for volunteer work with the independent film industry as a set decorator. If you would like to contact Jenny, e-mail her at jennyj@altrom.com.

Ian Gooding (BBA'96) finished his degree with a concentration in marketing and returned in 1997 to take courses in finance. He then worked in the financial services industry for two years before taking the Instructors Diploma through Vancouver Community College in 2001. Ian has returned to Kamloops and is an instructor at Spratt-Shaw Community College (www.spratt-shaw.com).

Many UCC graduates now work at their alma mater. One of them, **Wesley Eccleston** (BA '97) has been teaching theatre at UCC part-time since 1999 and is now teaching theatre history and acting. He returned to Kamloops and UCC after completing a Masters in Drama at the University of Alberta. In 1996, he co-founded the local theatre company, Three Men of Sin, and this semester will be directing Beautiful City for the UCC Actors' Workshop. Wesley is excited about UCC's new Black Box Theatre, currently under construction, and looks forward to "maximizing the much-needed resources it will provide our department."

Ryan James (Professional Cook Training '97) and **Holly Boxrud** (Arts student, 1995-1997) were married in July 2002 and now make their home in Canmore, Alberta. Ryan is the Chef of The Grizzly Paw Restaurant (www.thegrizzlypaw.com) and created a new winter menu for the restaurant this fall. In their spare time, Ryan and Holly enjoy the many outdoor activities available in the Rocky Mountains.

After completing his degree, **Paul Gauci** (BBA '99) returned to his hometown of St. John's, Newfoundland and returned to school to attain a post-graduate diploma in Information Technology from Memorial University. He is currently working as Director of Internet Development at m5i (www.m5i.com), a St. John's information technology and marketing firm. In his spare time, Paul enjoys outdoor activities with his wife and two-year-old daughter. UCC friends and classmates may e-mail Paul at paulgauci@nf.sympatico.ca.

Sukh Heer (BSW '99) has always considered the UCC Athletics Department home. She played varsity basketball for four years, then took on assistant coaching duties for the Sun Demons for the next four years. She also helped to develop and co-ordinate the UCC Sports Camps for five years. In August, she was named head coach of the women's basketball team replacing her mentor Jeff Speedy, who has moved on to the University of Regina. Sukh returns to UCC after two years as the program co-ordinator for the PacificSport Regional Sports Centre.

2000s

Following a diploma from Selkirk College in Ski Resort Operations and Management and some time working in the Japanese Alps, **Pascal Bricault** (BTM '00) came to UCC to enhance his knowledge in tourism management. He is now a marketing manager at Carlson Marketing Group (www.carlsoncanada.com), following a position with Chrono Communications and a contract for the National Bank of Canada. As well, Pascal is an active member of the Montreal chapter of the Canadian Direct Marketing Association. UCC friends and classmates can e-mail Pascal at PBrcault@carlson-montreal.com.

Shannon Joly (BBA '00) is now working at UCC as a Human Resources Officer. Between completion of her degree and returning to UCC as staff, she did contract work for the City of Kamloops and Canada Post. Shannon is active in her profession as a board member and co-chair for Publicity and Membership for the Central Interior Chapter of the Human Resource Management Association, a group she was involved with as a student representative while completing her degree.

Chad Ludwig (BTACS '00) uses his education daily as chief technology officer of VS Visual Statement Inc., a Kamloops-based software development company, and he remains a strong supporter of the UCC Computer Science and UCC Co-Operative Education departments. Chad manages a team of eight development and technical support staff and recently completed a large research and development project partially funded by the federal Industrial Research Assistance Program. Since graduating, Chad has enjoyed travelling to Cancun, Dominican Republic, Cuba, Florida, and Las Vegas.

After graduating, **Rob Williamson** (BBA '00) spent a year backpacking through Europe, visiting 14 countries in that time. Upon his return, he was hired by the B.C. Ministry of Advanced Education for the B.C. Opportunities Tour, which focused on showing youth different opportunities available to them, regardless of the life path they choose. During that time, Rob applied and was accepted to both the University of Windsor and the University of Wyoming Faculty of Law. While trying to decide his future, he came across an opportunity to develop and operate a brokerage firm, LMG Finance Inc. in Kamloops. Rob took the opportunity and now his company brokers deals for more than 100 leisure and recreational vehicle dealerships across Western Canada, with national agreements with major manufacturers in the works.

Learning is a life-long pursuit for **Jean Foote Humphreys** (BA '02) who began university in the early 1980s but put it on hold to raise her young children. Jean returned to her studies in the early 1990s at UCC, achieving her degree last June. One of her papers written for a B.C. History course won the Margaret Ormsby Award in 2000 and was published in the Summer 2002 issue of the British Columbia Historical News. While earning her degree, she also worked full-time for the TNRD Library System as a library clerk and now, with her credentials, she is qualified to work as an Information Assistant in the Reference Department. Jean plans to do more writing and may even take further studies at UCC in music. She also enjoys outdoor pursuits such as bird and wildlife watching, hiking and camping.

Meaghan Crocker (BBA '02) came to UCC after graduating from Kelowna Senior Secondary because she wanted to get a degree at a university college with approachable professors. An economics major, Meaghan received scholarships in each of her last three years and was awarded the UCC Medal in Business Administration for the student with the highest GPA in the degree program. She had an opportunity to put her theoretical knowledge to use during her final year of studies, working at Fiscal Realities, an economics consulting firm in Kamloops. Meaghan continues to work at Fiscal Realities as a data and statistical researcher and is considering pursuing a Masters degree in the future.

Meaghan's co-worker and fellow economics grad, **Amanda Petherick** (BBA '02) says that a highlight of her UCC education was an economics exchange to the University of Salford in Manchester, England in 2001. She is also working as a data and statistical researcher at Fiscal Realities in Kamloops and has plans to pursue a Masters degree in public policy, either in Australia or Canada. Amanda was actively involved in the economics department as a student and plans to remain involved with UCC to give back the support that she received. If you would like to reach Amanda, e-mail her at amanda@fiscalrealities.com.



UCC Alumni Relations

BENEFITS, SERVICES AND PROGRAMS FOR YOU.

The UCC Alumni Association was established in 1990. The association has thousands of members in all parts of the world and from all walks of life. Every student of UCC becomes a member of the Alumni Association upon graduation. The association wants to create opportunities to develop life-long positive relationships with UCC Alumni and celebrate the achievements and accomplishments of our grads.

The association provides a variety of ways to help you stay connected to your friends and faculty from UCC and to network for your career. You may receive support for planning your class reunions, attend networking opportunities at local UCC Chapter Network socials, recognize a distinguished alumni by nominating them or give back by volunteering your time at one of the many events throughout the year.

Project Grants

The UCC Alumni Association generates revenue from fund-raising activities throughout the year and a small portion is designated for project grants. This limited financial assistance is available to support worthy projects and events at the university college, or in the community, which are consistent with the Alumni Association's mission statement. Groups or individuals eligible for funding include students, faculty, future students and alumni.

Eight thousand dollars will be awarded during 2002-2003 to projects ranging from supporting a suicide awareness and prevention seminar, submitted by fourth year nursing students, to funding the travel cost of a UCC science alumnae/us speaker to participate in a Faculty of Science speaker series on campus.

Project Grants are given out twice a year in the fall and winter. Further information is available on our website www.uccalumni.ca.

Alumni Benefits Card

This card offers discounts on goods and services to UCC Alumni. Benefits include local discounts at the UCC gym, fine dining in UCC's Accolades dining room and UCC crested items at bookies. Other benefits in Western Canada include 50 per cent off rack rates at Sandman Hotels and Inns and 15 per cent off at Denny's Restaurants. New benefits are added each year, so be sure to renew your card when it expires in June.

Alumni Events

Visit the alumni Web site regularly for listings of the latest alumni activities, reunions and events. Watch for information on local UCC Chapter Network socials coming in the spring to Kelowna and the fall to Vancouver. This fall, plan on attending the 2003 Homecoming weekend to be held in conjunction with the UCC Open House and Career Days in October.



Our Mission: *The University College of the Cariboo Alumni Association promotes relationships between alumni and the university for the advancement of the institution and the mutual benefit of alumni, students, and the UCC community.*

UCC Alumni Association Board of Directors 2002-03

Executive: Marilyn Poncelet (Bus. Admin '89), Chair; M-J Cousins (BBA '97), Vice-Chair; Tom McNulty (Bus. Admin, '77), Secretary/Treasurer. Directors: Cathy Ferguson (BSN '91), Dwayne Geiger (BEd '94), Denise Harper (Comm. Media '74), Larry Iles (BEd '94), K-J Klontz (Rec. Manag. '84), Bill Jaswal (BA '91), Aleece Laird (BBA '98), Glen Poelzer (BSc '91), Nick Rinaldi (BA '94), Darlene McBain (UT), UCC Board of Governors Appointee: Horst Holstein, UCC Foundation Appointee: Catherine McNeely.

Please send correspondence to the UCC Alumni Association or contact (250) 828-5267, online at www.uccalumni.ca, or email alumni@cariboo.bc.ca. The Alumni NETWORK is published three times a year.

ALUMNI CAN GIVE BACK TO UCC

UCC Alumni can acknowledge and recognize the importance a good education has made in their lives. Through volunteering of your time or providing financial support to students, you can make a difference in the lives of those who follow.

Volunteer Opportunities

There are a variety of volunteer opportunities that allow you to get involved with fellow alumni, students and the UCC community. As an alumni volunteer you can become a mentor for a student or participate in an alumni speaker series as an advocate for the university, or volunteer to assist in the development of a chapter event or a reunion. Become part of the Alumni Board of Directors and enjoy the rewards of developing the future direction of the Alumni Association.

UCC Alumni Mentoring Program

The Mentoring Program is an information and education program designed to help students and recent UCC graduates meet professionals in a variety of careers. The program is not a job placement or recruitment service. It is an opportunity for volunteer mentors to share their knowledge with students to help them make the connection between their education and possible career paths. If you are interested in volunteering as a mentor contact the Alumni office or e-mail us at mentor@cariboo.bc.ca. We will tell you about the program, answer your questions and send you more information and an application form.

If you have recently graduated and are still looking for the right career, you can participate as a protégé by contacting the mentoring coordinator at (250) 371-5711.

Alumni Speakers Series

A new program introduced this year is the Alumni Speakers Series. This is an opportunity for graduates of UCC to sign up as guest speakers for events and programs offered by the Alumni Association either on campus or at chapter network events around the province. Check our Web site for further details on how you can become an alumni speaker.

UCC Alumni Association for Scholarships and Bursaries

Since its inception in 1990, the UCC Alumni Association has successfully built the second largest endowment fund at UCC. The fund balance is now more than \$150,000 and generates \$10,000 annually for student scholarships and bursaries. The endowment fund is invested with the UCC Foundation and the awards are administered through the UCC Financial Aid and Awards Office. A minimum of five bursaries (financial need awards) and two scholarships (academic achievement awards) are given to UCC students. Preference for these awards is given to UCC alumni and their children. This year, 10 students received Alumni Association awards at the UCC Awards Ceremony Nov. 21.

If you are interested in finding out more about how you can support the Alumni Association Endowment Fund, contact Karen Gamracy at the UCC Foundation at (250) 371-5715 or email: kgamracy@cariboo.bc.ca.

UCC Chorus CD ~ On Student Street.

Recorded over a four-year period, this CD features the best of the UCC Chorus. Proceeds will go the UCC Visual and Performing Arts Department and the UCC Alumni Association. CDs cost \$20 each and are available from the UCC Alumni Association or bookies.



Showcase Your Degree, Diploma or Certificate with Distinction

Order the solid Mahogany frame with two coats of finish and a 12-step lacquer polish, or the Gold Satin metal frame with classic gold leafing surrounding the medallion.

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Order via the web at www.degreeframes.com or call 1-800-884-3199

A portion of these sales supports UCC student scholarships and bursaries.



Contributors:
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www.uccalumni.ca