

UBC REPORTS

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Breaking Barriers In Music Education

High Tech Tunes Teach Complex Concepts

BY HELEN LEWIS

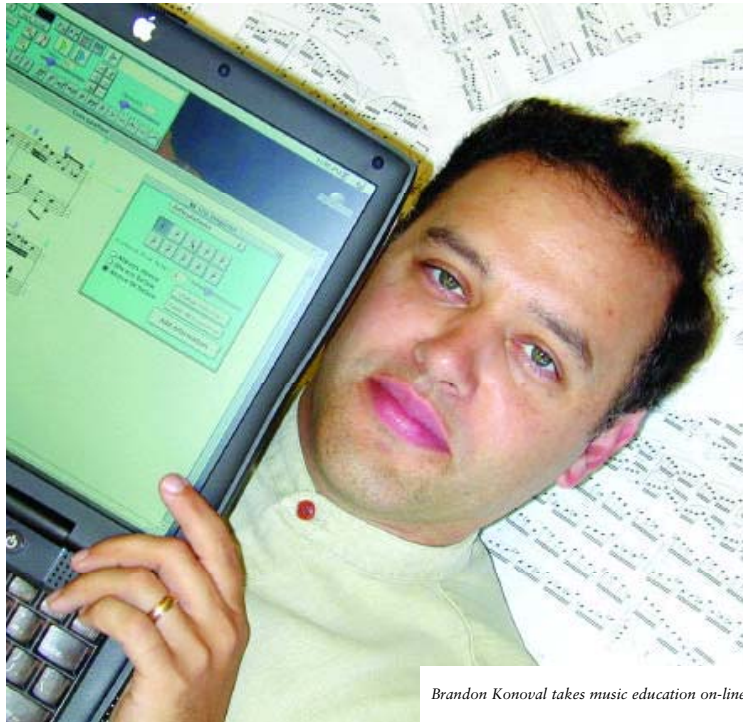
So you've never played a note on a piano – don't let that stop you from writing a fabulous four-part composition.

UBC Arts One lecturer Brandon Konoval says technology is taking music education into a new realm, where students can experience a music lab from home, and where inexperience is no barrier to grasping complex musical concepts.

Of course, it's all done with computers.

Konoval created an on-line introductory music theory course (Music 103) last year. He is now developing an on-line course in music appreciation. But how do you give students an engaging music class experience without putting a teacher and a piano in front of them?

A music notation software program called *NoteAbility Lite* has



Brandon Konoval takes music education on-line.

made the task much easier.

NoteAbility Lite (a simplified version of the *NoteAbilityPro* program developed by UBC's Prof. Keith Hamel) allows students to play back any piece of music – including their own compositions – from a home computer.

They can create complex four-part compositions and hear them played back by various instruments, sample other works to explore musical concepts, and submit their finished pieces to Konoval by e-mail. At the touch of a button, he hears the results of his students' efforts.

For Konoval, it means his classroom extends far beyond the walls of UBC.

"For students in an on-line community, it's crucial to take theory out of the realm of 'notes on paper' and to make the subject come alive," he says.

Konoval is a distance education teacher (in music appreciation, for students as far away as Jamaica, Hong Kong and Taiwan) and music theory lecturer for UBC Science and Arts majors.

What he needed was someone who could make the technology easy and rewarding to use – so he teamed up with "web designer, multimedia wizard and musician" Jeff Miller, a course designer in UBC's Distance Education and

continued on page 11

Finding the Facts to fit in

Program helps international students adjust. BY MICHELLE COOK

When Aditi Kolachala left behind a successful career in India to pursue graduate studies at UBC, she arrived on campus wondering whether she would be able to adapt, but a program for international teaching assistants quickly helped her feel at home in a Canadian classroom.

Kolachala, 24, came to Vancouver in January to begin a master's degree in health informatics at the School of Library, Archival and Information Studies. It was her first trip to Canada and she felt lost and helpless.

"My initial reaction was total culture shock," Kolachala says. "I came in with such excitement, but even small things like taking a bus were so tough because the system – everything – is different."

Kolachala's biggest fear was not

being able to present herself well in class, and not knowing what professors and students from a different culture would expect of her. Luckily, Kolachala's older sister, a UBC graduate, told her about a program offered by the Centre for Intercultural Communication that could help her deal with the differences in academic life between India and Canada.

The International Teaching Assistants (TAs) Program is a professional development program designed to give graduate students like Kolachala the teaching and intercultural communications skills they need to succeed as teaching assistants – and students – on a Canadian campus.

"We thought it would be helpful for students to have a course that doesn't just focus on language, but on understanding different education systems and what makes a good teacher and a good learner in different societies," says the Centre's director Mackie Chase.

Through a series of interactive workshops and one-on-one coaching sessions, the 11-week evening course

teaches students effective presentation skills for an international audience. It also helps them to develop a personal and professional network of people for support.

Kolachala got tips on everything from poise, eye contact, and classroom humour to how to ask and answer questions effectively. She even learned how to adapt the colour of her PowerPoint presentations to appeal to a Canadian audience.

The course not only gave Kolachala the confidence to teach – something she hopes to do this term – it has improved her performance as a student.

Since it was launched 11 years ago, more than 800 graduate students from 35 countries have completed the program. Chase says the course has evolved from helping students adjust to new surroundings and be better TAs, into a professional development program that prepares international graduate students for their future professional lives.

This year the Centre has added one-on-one sessions for international faculty members who are new to Canadian classrooms.

For more information on the International Teaching Assistants Program, contact Pat Marshall at 604-822-1436. To register, e-mail christine.connell@ubc.ca. □



Aditi Kolachala has learned a new teaching culture.

ROYALS TO VISIT UBC



Campus organizers are preparing for a royal visit by Her Majesty Queen Elizabeth and HRH Prince Philip, Duke of Edinburgh on the afternoon of Oct. 7.

Details of the visit were unconfirmed at press time but plans are underway for ceremonies on campus.

"We're very excited and honored that the royal couple will be returning to UBC," said Elis Courtney, UBC's manager of Ceremonies and Events.

It is the fourth time that Elizabeth and Philip will have visited the campus. The couple's first visit was in 1951 (background photo) when Elizabeth was a princess.

The couple took in a Thunderbird football game. There were two other visits, one in 1959 and another in 1983.

The visit is part of the Royal Jubilee celebrations commemorating 50 years of the Queen's reign. □



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- Philippe Crabbé, University of Ottawa

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Humble Beginnings

At only 15 cm in diameter, Canada's first space telescope has a big job to do. Astronomers at the MOST (Microvariability and Oscillation of Stars) project are using the telescope to measure the age of stars.

"It dawned on me, it's a bit like Galileo," the project's lead scientist and UBC Astronomy Assoc. Prof. Jaymie Matthews told the *National Post*. "We're in a position to be the first people in human history to directly see the light of a planet from outside our own solar system."

UBC Student Maps Female Arousal

UBC Master's student Shona Penhale has boldly gone where no one has gone before by documenting the map of nerves of the female genitalia.

Her research will be included in the next edition of *Gray's Anatomy* and could help doctors perform more accurate surgery to prevent damage to the female sexual arousal nerves.

"I was stunned," Penhale told the *Vancouver Sun*. "I thought, 'How could, in the year 2000, we not know how the nerves run through a woman's pelvis and innervate her genitalia?'"

Media Frenzy Feeds Abduction Fears

Numerous recent child abduction cases in the U.S. and Canada have dominated news reports. UBC Journalism Asst. Prof. Mary Lynn Young told the *National Post*, that some stories seem to seize the public imagination.

"Certain stories tap into archetypal stories that we've been told since childhood in fairy tales said Young. "So these stories sort of snowball in the media."

A dog's good life

Dog owners are spending more and more money to provide worldly pleasures for their pooches. UBC Psychology Prof. and dog expert Stanley Coren told *Vancouver Lifestyle Magazine* that showering dogs with presents is nothing new.

"We are not only willing to spend money on material things but on overt services for our dogs, to have things done for our dogs that are either too complex or too time-involved for us to do ourselves."

Water intoxication

UBC Human Kinetics Asst. Prof. Karim Khan told *City TV* that in reasonably hot weather, drinking

IN THE NEWS

Highlights of UBC Media Coverage in August 2002. COMPILED BY ROSALIND DUANE

two to three cups of water per hour is sufficient for most athletes.

"In some people the kidney doesn't control the fluid balance as well as it should," said Khan. "And if a person drinks inordinately large amounts of fluid the body can't get rid of that fluid and this effect [called] water intoxication occurs." Water intoxication can be deadly.

He added that even sports drinks can cause water intoxication if you drink too much of them.

Perilous Crowds

Researchers are concerned that there are too many whale-watching vessels getting too close to orca populations.

"Seeing orcas is much easier if

where Canada's Sikh community has its roots.

UBC Sued

A number of incoming business students have filed a lawsuit against UBC over this year's tuition hike for the MBA program.

The *Ottawa Citizen* reported that the writ filed against the school said the increase is "unfair, unreasonable and unconscionable."

Tuition for the program has jumped from \$7,000 to \$28,000.

Get your Master's downtown

UBC will offer a part-time MBA course at its downtown Robson Square campus next spring.

UBC Finance Professor and chair of the Robson Square Transition Team Stanley Hamilton told *Sing Tao Daily* that the reason UBC is reaching into the downtown community to meet the increasing demand of students seeking to complete their degree and hold a job at the same time.

InVitro coverage urged

Dr. Anthony Cheung from the UBC InVitro Fertilization program told *Sing Tao Daily* that only 10 per cent of couples suffering from infertility undergo InVitro treatment, mainly due to the high cost. He's urging the treatment to be covered under MSP.

He adds that infertility creates anxiety and stress for women and can cause self-esteem and tension in the relationship. With the aging population and low birth rate in Canada, Cheung says it may take some political influence to push for medical coverage.

No top women

Not one woman heads up a company on B.C.'s top 100 private companies this year and just one of B.C.'s top 100 public companies has a female CEO.

Only two graced the list of top paid executives in B.C. and one of those, QLT Inc. CEO and former UBC professor Julia Levy, has since stepped down.

"If you asked me 15 years ago I would have told you by now, we would be there," UBC Organizational Behaviour Prof. Nancy Langton told *Business in Vancouver*. Langton has been studying women in management since the early 1970s. "I just shake my head. I don't know why we haven't done better than we have." □



Stanley Coren showers his pooch with kisses.


you are smack in front of the animals, no matter what boat you're in, but there's widespread agreement that traveling alongside them at a fair distance is best for the orcas," UBC Marine Mammal Biologist Andrew Trites told the *Washington Post*.

"In the end, orcas need a place to get away from boats, perhaps in reserves where they can be left in peace," said Trites.

PM Politics

UBC Political Science Professor Philip Resnick told the *Globe and Mail* that Prime Minister Jean Chrétien's recent trip to a historic Sikh temple in Abbotsford was a political move.

Despite its billing as a non-partisan event the Prime Minister was praised by two cabinet ministers before his speech, and he ended his speech by announcing that Canada would open an immigration and visa office in the Punjab region



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Imagine your Life on Campus

New programs offer support, information to first-year students. BY MICHELLE COOK

Five thousand new students descended on campus Sept. 3 for Imagine UBC, but the university's day-long undergraduate welcome program isn't the only orientation initiative aimed at helping first-year students connect to university life.

Every week, all first-year students will receive FYI (First Year Insight) an e-newsletter offering information, advice and guidance about the first-year experience.

Also new this year is the Emerging Leaders Initiative, a program designed to help first-year students develop the skills, attitudes and knowledge they need to prepare them to take leadership roles at UBC and beyond. Connected to the Learning pillar of the university's *Trek* vision statement, the program was created to help students – especially those who commute – find ways to get involved outside the classroom during their first year on campus. The program kicks off the last weekend of September with a

Ropes challenge course. The course, made up of a series of ropes and steel cables strung between trees at the southern end of campus, presents teams with problem-solving challenges. Students can sign up by calling 604-822-3680 or e-mailing chad.hyson@ubc.ca

Students new to campus can also access academic support services and resources at the Chapman Learning Commons. Opened in the Main Library last spring, the Commons is a central source of learning support and development for everyone, but particularly new and commuter students. The high-tech learning space boasts wireless Internet capabilities, 34 state-of-the-art flat-screen computer stations, and a laptop-lending program. □

Chad Hyson (top), student development officer, and Parker Johnson, UBC's first-year coordinator student development, learn the ropes



PHOTO: MICHELLE COOK

Finding a Friend on the First Day of School

New faculty to benefit from mentoring program. BY HILARY THOMSON

Everyone knows being the new kid at school can be scary for students, but for UBC's more than 450 full and part-time new faculty members, it can be just as unnerving.

That's why Luisa Canuto will partner senior faculty with campus newcomers as she revitalizes UBC's faculty mentoring program to give our newest faculty members some seasoned support.

Mentor John Gilbert, principal of the College of Health Disciplines, says he is motivated to make the complex organism called the university more user friendly.

"By serving as a mentor, I'm privileged to repay the debt I owe UBC for the amazing academic life it has allowed me since arriving as a young faculty member 36 years ago," he adds.

Some mentors say the process injects energy into their own careers and revitalizes their interest in their work and in the university, says Canuto who is project coordinator in The Centre for Teaching and Academic Growth (TAG).

She will establish an advisory group of about 15 senior faculty and others to rebuild the mentoring program. She has contacted deans and department heads for input. Some departments already have an existing mentoring system which augments the TAG program.

"This is a big part of academic growth for both mentors and new faculty," says Canuto, who has been a sessional instructor in the French, Hispanic and Italian Studies Dept. and Continuing Studies since 1996. "Both partners come away with new learning about their careers and a new perspective on the university."

Issues for new faculty range from learning departmental protocol and handling teaching challenges to personal issues such as work/family balance.

The mentoring program helps to build community on campus and increase new faculty's sense of



Luisa Canuto is rebuilding UBC's faculty mentoring program.

belonging – to their discipline and to their university, says TAG director Gary Poole. Mentors in UBC's original program have been asking when the program would be revived, he adds.

"For mentors, the rewards are intrinsic," he says. "There is a great sense of personal satisfaction in being valued for your experience and knowing that it helps others."

In addition to professional support, the program offers a social network that is especially valuable to faculty who arrive from other countries. A walking tour for new faculty held in August allowed recruits to visit units on campus and get to know colleagues. Three-day instructional skills

workshops for new faculty have been held as well as sessions on topics such as hiring grad students and managing a lab.

"We want new faculty to know there is a place for them here," says Poole.

By the year 2005 more than 45 per cent of current faculty will retire, making faculty renewal a key strategy in *Trek 2000*, the university vision statement.

TAG, established in 1987, is dedicated to enhancing the teaching skills of faculty and graduate students through a range of programs, services and resources. For further information visit the website at www.tag.ubc.ca or see the next issue of *Tapestry*, the TAG newsletter. □

Research Conference First of its Kind Here

Cash prize for best student presentations.

Helping students learn through discovery is the aim of UBC's first multidisciplinary undergraduate research conference to be held Sept. 27 and 28 at the Forest Sciences Centre.

"While textbook learning has a place in education, there is no substitute for hands-on experience trying to answer real questions about the unknown," says Botany Prof. Iain Taylor, a member of the conference organizing committee. "These projects are of a very high standard and we expect most of them will be published or performed for the larger community."

One of only a few such conferences held in Canada, the event demonstrates how research-based learning experiences can be integrated into the undergraduate curriculum – a key strategy in *Trek 2000*, the university's vision statement.

Almost 80 students and recent graduates from faculties across campus will present an original research poster or oral presentation. All projects are student-driven and will be presented to an estimated audience of 200 including a panel of graduate students serving as judges. Winning entrants will receive a cash prize.

"Being asked probing questions about my work, and improving my work was a key reason I got involved with the conference," says Julie Gibson. "I also wanted to experience the breadth of research being done here – the ideas produced by a wide range of students was a real draw."

Keynote speakers include: Christine Chambers, an assistant professor of Pediatrics, who will discuss Pain in Child Health: Lessons Learned as an Undergraduate Researcher; English Assoc. Prof. Sian Echard who will speak on Versions of Chaucer for Children in the 19th and 20th centuries; and Aneil Agwral who will discuss how his UBC undergraduate experience supports his graduate student career at Indiana State University.

Student projects range from a presentation and interpretation of Massenet's opera *Manon* to a comparison of the role human dignity plays within Canadian and German constitutions. Other projects include a study to improve airport security, and a presentation called *Scribe in the Labyrinth: Minoan and Egyptian Hieroglyphs in the Bronze Age*, that examines the early connections between Minoan Crete and Egypt.

Each participating student secured a sponsor within their department to support their work. Also, a team of facilitators that includes faculty and grad students has been guiding students through all aspects of conference participation.

"One of our goals for this conference is to support students so that the experience is a positive one," says Pharmaceutical Sciences Instructor Ingrid Price, conference co-ordinator. "We also wanted students to have a broad exposure to other disciplines and see opportunities for collaborative research."

A recent orientation meeting included a workshop where students helped each other refine their abstracts. Additional luncheon workshops will be held this month and support is also being offered via e-mail.

The conference is free of charge, however, registration is required. For information, e-mail linda.napolone@ubc.ca. □

– HILARY THOMSON

On an average day, Cecil Green Park House is home to bright reception areas and busy university offices. But when the crew of *The Dead Zone* rolls in, it becomes the moody Maine mansion of psychic hero Johnny Smith.

Based on the characters of a popular Stephen King novel, *The Dead Zone* follows the story of Smith who, after a tragic car accident, awakens from a coma with paranormal powers.

The Dead Zone crew films the outside of Cecil Green Park House for "establishment shots" of Johnny Smith's home, and has special sets constructed for the interior scenes.

UBC is a regular location for the USA Network cable series, which broke rating records with its June debut to become the top basic cable original dramatic series ever.

Cecil Green Park is just one of many UBC locations used by film crews. With about 70 days of filming taking place on campus in an average year, makeup trailers, catering vans, film crews and directors' chairs are a common sight – particularly around Main Library, the Chan Centre and the Chemistry Building.

Big-budget feature films *Anti-Trust*, *Josie and the Pussycats* and *Along Came A Spider* and popular television shows *Smallville*, *Dark Angel* and *Mysterious Ways* have filmed here – bringing with them



PHOTO: HELEN LEWIS

Actors from *The Dead Zone* prepare to shoot the "Stillson's Bible pitch to Vera" scene at Cecil Green Park House. Anita Adams (Vera Smith, the hero's mother), David Coles (young Papa Stillson), Daniel Best (10-year-old Greg) and Evans Smith (9-year-old Johnny, the young version of the central character).

stars like Kristin Kreuk, Rachel Leigh Cook, Tom Welling, Ryan Phillippe, Tara Reid, and Claire Forlani.

In 2001, UBC saw the filming of eight television series, nine feature films, six movies of the week, three documentaries, four educational films, five commercials, one video, one pilot and one miniseries.

Commercials filmed on campus include those for Compaq, Nescafe, Nintendo, Chase Manhattan Bank, Mitsubishi, Sprite and Wal-Mart. Television series such as *Seven Days*, *These Arms Of Mine*, *Higher Ground* and *Poltergeist: The Legacy* have also filmed scenes at UBC.

The Dead Zone location manager, Mary Jo Beirnes, said UBC was "an awesome place to film" because of its old stone buildings and beautiful gardens.

Strict guidelines are in place to ensure filming does not disrupt university activities, and to preserve UBC's reputation and public image. □

On Location at UBC

Campus popular with filmmakers. BY HELEN LEWIS

High-tech Teaching Advice: Lose the Overheads

Computer presentations bring lessons alive. BY MICHELLE COOK

Pat Miranda had no trouble lining up Dustin Hoffman to help her teach a course on autism. All it took to get the actor – who portrayed a man with autism in the movie *Rain Man* – to speak to her students was a click of her computer mouse.

Hoffman, along with well-known researchers and real-life people with autism will come to class this term in the form of computerized video clips that Miranda, an associate professor in the Dept. of Educational & Counselling Psychology & Special Education, runs from her laptop. The video clips are part of a high-tech overhaul of a course she once taught using stacks of overhead slides and VHS tapes.

Pat Miranda goes high-tech with her teaching.



PHOTO: MICHELLE COOK

"There is no comparison between teaching with new technology and teaching with overheads," Miranda says. "Everything I do in class is technology based now. For students it's a better learning experience because I can make things come to life in a way that was impossible with static media."

Miranda began incorporating technology into her lessons shortly after arriving at UBC's Education faculty in 1996. After seeing a presentation given with PowerPoint, she quickly adopted the software to make better overheads. One day while looking through a colleague's PowerPoint files, her world was rocked.

"She had incorporated video

into her presentations, and I said "wow I'm not using this software to its full potential," Miranda recalls.

With help from the colleague, Mary Bryson, Miranda learned how to import and edit video on her computer. Over the past year she has re-designed all her courses to include animated graphs, video clips, cartoons, sound bites, sound effects and other computer-generated lesson materials.

The high-tech courses make it easier and faster for Miranda to execute activities, and to present more material in class. It has also freed her students from scribbling lots of lecture notes, and helped to make the concepts she teaches more 'real' for them.

Miranda thinks the switch to high-tech has made her a better teacher, too.

"It takes some of the burden off me. I'm not having to spend my time talking about basic things. The technology does that and then I can go into more depth on different topics," Miranda says.

One of the challenges of high-tech teaching is gathering all the necessary tools, says Miranda. She requires equipment such as LCD projectors and laptops, a Mac computer, scanner, CD burner and an analog-to-digital video editing system.

Another hurdle has been learning to trust the technology. The first year she used PowerPoint, she continued to make overheads as a backup. She remembers her first time teaching without them as "nerve-wracking".

But those days are long gone, says Miranda.

"My overheads are like artefacts now," she laughs. "I think the bar is being re-set. In the next 10 years, technology will be as *de rigeur* in class as overheads have been." □

Computer Software "Sees" Beneath the Ground

Mining companies are reaping the benefits of award-winning UBC software that takes the guesswork out of where to drill.

The software is transforming mining exploration by allowing geophysicists to "see" hundreds of metres below the earth's surface. Through a complex mathematical process called inversion, it turns existing surface exploration data into 3D images of mineral deposits underground.

Developed by the UBC Geophysical Inversion Facility (UBC-GIF) and a consortium of leading mining companies from around the world, the software won a 2001 NSERC Synergy Award for outstanding university-industry R&D partnerships.

"The inversion software has made a tremendous difference," says Dr Doug Oldenburg of UBC-GIF. "Mining companies can find out much more accurately where they should be drilling."

Previously, companies established expensive random drilling programs (costing about \$10,000 per hole) based on maps of raw data, Oldenburg says.

"Sometimes using those maps worked, and sometimes it didn't. It was time-consuming, costly, and not very accurate. Inversion is cost-effective because it allows you to isolate a few objects and limit the number of drill holes you need to explore the ground."

During mining exploration, companies use a number of geophysical survey methods to collect data. Measurements of gravitational and magnetic fields, and the electrical, electromagnetic and polarization properties of the ground all offer specific information about what might lie underground. The UBC-GIF software converts this field data into three-dimensional pictures of the subsurface.

UBC-GIF was established in 1989 to develop new computer technologies for mineral exploration and to work with industry on research projects. Since then, UBC-GIF researchers have developed different inversion algorithms for each set of data. The software uses these algorithms to build the most likely image of substances underground.

Industry response has been "overwhelmingly positive", Oldenburg says, with mining companies making new and better finds using the UBC-GIF software.

For example, mining giant Falconbridge used the software to locate a deposit in Northern Quebec and intersected ore on the first drill hole, hitting a reserve valued at almost \$600 million.

"The software has set new standards for what mining companies are demanding from their data. They're no longer happy to see just a simple map – they want a 3D image," Oldenburg says.

Oldenburg points to the consortium's active participation and cooperation as a vital part of the project's success. Usually fiercely competitive, the mining companies pooled their resources and shared information to test the software. Their feedback was used to solve problems and refine the process.

"The companies realized they really needed this technology and couldn't afford to develop it in-house. Geophysics and industry as a whole would benefit if there was a new rise in technology, so they came with that spirit," Oldenburg says.

Work continues on refining the inversion techniques, and finding to new solutions to related problems. UBC-GIF's current research focuses on inverting geophysical electromagnetic data for mining, engineering and environmental applications. □ – BY HELEN LEWIS

As the new academic year begins, students and professors prepare to meet in the education arena to challenge and learn from each other. For most, the meeting will be rewarding. For others, the year will be filled with anxiety and frustration. In this story we attempt to make the road to prosperity a little less rocky by asking students and professors to describe their ideas of success at school.

ROSALIND DUANE roamed the campus to find the answers.



Student Roy Belak and Prof. Andre Marziali

What Makes a Great Teacher? What Makes a Great Student?



Elizabeth Thampy

Elizabeth Thampy, 4th-year Arts-Psychology student

"A successful professor is someone who conveys his or her love of the subject. Someone who is here because they love the teaching aspect of their job, not just the research. I once had a professor who photocopied all our student cards and memorized all our names."

Lucy On, 3rd-year Law student

"A successful professor is someone who gives lots of examples and asks really probing questions. I like more practical people, people who show you how to apply what you've learned. For example, giving you real cases to read."



Jake Stein

Jake Stein, Graduate student Zoology

"A successful professor doesn't have to be dynamic, they just have to know the subject and know what it takes to learn it. They should remember how they learned it and relay that to the students. Creativity in teaching does not equal information."

Roy Belak, 2nd-year Engineering Physics student

"Good teachers have the ability to go beyond the material being taught and explain the relevance behind the concepts. Concepts in engineering courses, like the ones I take, are often abstract and good teachers are capable of extracting the salient details of the course material. Also, when a class respects a teacher, they are more likely to value the course material being taught, and in turn, exert more effort in that class."



Brian de Alwis

Brian de Alwis, First-year PhD Computer Science student / president of the Graduate Student Society

"A successful professor is stimulating. They not only make you think, but they make you want to think. They pose challenges to you. They are also willing to suggest people you can talk to if they are not the expert. For graduate students, they are willing to invest time to get up to speed with what you're doing if it's not something they specialize in."

Paul Wood, Asst. Prof. Forest Resources Management

"Students should create an environment in which they're not the only ones who want to learn. They can instill enthusiasm in peers by asking questions that lead to bigger ideas, or they can offer comments that broaden the applicability of what the professor is talking about. A successful student is willing to think critically. It can be quite motivating to realize that education carries a responsibility to use one's knowledge to become a better and more active citizen."

Andre Marziali, Asst. Prof. of Physics and Astronomy

"In my opinion, enthusiasm and motivation are the primary and essential driving forces behind student success. Though natural ability is important, it will not lead to success on its own in a poorly motivated student. Only students with a strong desire to study, motivated by their own passion for the course material, are likely to find the resources within themselves that are required to perform at the high standards that are expected at university."

Mary Lynn Young, Asst. Prof. of Journalism

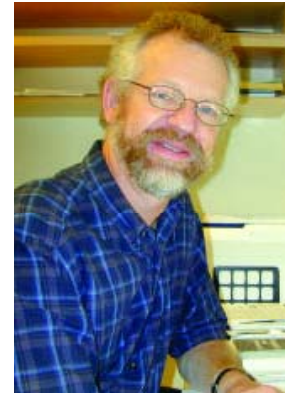
"Successful students are committed to their studies. They search for that extra book in the library or that extra information for their paper. They reach beyond themselves. A successful student will ask for clarification or assistance from professors. They are engaged and try to make the most of their time in university."

Rosie Redfield, Assoc. Prof. of Zoology

"Recognize that ignorance and confusion are essential components of all learning, for Nobel Prize winners as well as students. If you try to hide your confusion it just gets worse, but if you instead try to explain your problems to others the ideas start falling into place. The point of being at university is to discover what you don't understand and learn how to find it out."

Ron Giammarino, Prof. of Finance

"Successful students are inherently curious. They want to know more than the basic material in the textbook. They study a broad range of topics, not just those that directly benefit their careers but also ones that will give them a more fundamental knowledge base. As a result, they can look at issues from various angles and deeply understand the concepts presented to them. This core motivation will help them understand the material more completely so when they run into non-standard questions they can use that well of knowledge." □



Prof. Paul Wood



Asst. Prof. Mary Lynn Young



Prof. Ron Giammarino

PHOTOS: ROSALIND DUANE

10 Tips for Students from AMS Tutoring

1. Do all your assignments (even the ones not due for marks) as neatly as you would do them if you were handing them in. It will be easier to go back over your work and find mistakes plus you'll get more out of the work if you take your time.
2. Pre-read for your classes. You will get more out of the lectures. It is especially important to pre-read for labs and language courses.
3. Prioritize your assignments, especially on those days that you don't have time to do everything. A good

method: finish whatever is due for marks first, then move on to work for classes where you are struggling, then work on whatever is left.

4. Don't just keep track of an assignment's due date; make dates to complete different parts of the assignment. e.g. set a date to go to the library and have a deadline for completing your research and rough draft.
5. Don't be afraid to talk to your professor or TA if you are having difficulty or want clarification on an assignment.
6. When you miss a class, get notes from more than one person. It will help you figure out what the most important points of a lecture were – if the information appears

in every set of notes, it is definitely important.

7. Learn your study style. Do you stay on task better in groups or alone? Do you stay more focussed in the morning or at night?
8. Reward yourself. e.g. let yourself watch your favourite TV show if you study for an hour. Giving yourself little breaks and special treats will help you stay on task.
9. Don't try to do too much at once. Studying for 6 hours straight is not the best idea. You will stay more focussed if you study for shorter periods of time more often.
10. Don't pull all-nighters. You will retain more information and perform better on tests if you are well rested.

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Surgery Prof. Karim Qayumi prepares to operate on CyberPatient.

PHOTO: THE MEDIA GROUP

Patients from Cyberspace Invade Medical Curriculum

Simulation program is latest teaching tool. BY HILARY THOMSON

How can a patient have a multitude of complaints, be examined, tested and undergo numerous surgical interventions without setting foot in a doctor's office?

It's easy if you're CyberPatient, an interactive multimedia web-based teaching tool created by Surgery Prof. Karim Qayumi.

The first of its kind in North America, it will be used by UBC medical students this fall and will form a key part of the faculty's interactive medical curriculum that is being developed over the next two years.

"Nobody has come up with a holistic approach like this," says Qayumi. "UBC is a leader in this area of Intranet medical curriculum."

Currently, CyberPatient teaches students how to treat 12 types of acute abdominal problems.

"I want to revolutionize how medicine is taught," says Qayumi, a faculty member since 1989. "Learning textbook definitions of disease is approaching medicine backwards. Students need to learn symptoms, define causes and then diagnose."

Qayumi started building the program in 1998 with the help of his now 26-year-old son, Tarique, who was studying at UBC that summer. Qayumi's vision of a tool to teach practical medicine and his son's computer abilities yielded simula-

tion software that combines the elements of video game, tutorials and 'hands-on' experience.

After two years of development and a copyright on the program, Qayumi and partners in Japanese medical schools researched the effectiveness of the program compared to traditional textbook learning. They measured the academic performance of 140 students. The research showed that the program significantly boosted performance of students who were struggling with textbook learning.

"This program is a major breakthrough for medical schools using problem-based learning," says Qayumi. "Students can learn anywhere, anytime. That makes the most of our scarce teaching resources."

In addition, the flexibility of the program allows it to be adapted for continuing medical education.

Functional on any computer or laptop, CyberPatient is accessed with a password that takes the student to an on-screen cyber-hospital. Sounds of sirens and ambulance dispatchers are broadcast as the screen zooms the viewer in to an emergency ward.

A menu of fictional patient names pops up and by selecting one, the student is led step-by-step through patient care - from the first symptoms through history taking, examination, diagnostic

tests, lab results, surgery and post-operative care.

CyberPatient's level of detail is impressive. When the student tests the patient's blood pressure, each click of the mouse inflates the cuff on the arm of the animated patient and the level of the on-screen blood pressure gauge moves up millimetre by millimetre. Stethoscope exams not only guide students to the right spot but also provide the sound that would be heard through the instrument.

If surgery is required, the student uses the mouse to pick up the correct surgical instrument to make an incision. The on-screen patient then opens up to show an anatomically accurate landscape of internal organs - a job that can take animators involved in the project up to six months to produce.

After the patient's file is closed the student reports to a cyber head of surgery who asks questions about the case. Every right answer is reinforced with the response "That's correct, doctor - good work." Errors earn a negative response or 'punishment' as in a video game. The student receives a score on their performance.

Qayumi is developing CyberPatient to include additional disease pathologies and surgical problems.

For more information contact qayumi@interchange.ubc.ca. □

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David E. Foot, Professor of Economics at the University of Toronto, is co-author of the best-selling books "Boon, Bane & Babo: How to Profit from the Coming Demographic Shift" and "Boom, Bust & Babo: Profiting from the Demographic Shift in the 21st Century". These books reflect his research on the relationship between economics and demographics and on the resulting implications for both private and public policies.

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GENTLEMEN, START YOUR ROBOTS



PHOTO: ROSALIND DLANE

Students from 2nd year Physics Engineering prepare the robot they designed and built to compete in a Volleybot challenge at UBC. The tournament marked the end of their summer course.

UBC Launches its First On-line Master's Degree

First class includes students from around the world. BY SHARI VIRJEE

For the first time in UBC history, students will be able to get a degree without even stepping on campus.

The Master of Educational Technology (MET) is not only being taught entirely on the Internet but it is also a joint degree, developed and delivered with Tec de Monterrey, Mexico's leading private university. The program is offered this month by the Faculty

enabled us both to increase the quality of our programs and to reach out to the world," says Tony Bates, director of Distance Education & Technology. He adds that on-line courses let learners interact with each other and their instructors and collaborate on projects and assignments. They also allow for rich intercultural experiences in which learners from

both the K-12 and the post-secondary sectors who are interested in learning how to make effective use of learning technologies in their practice. The MET has attracted educators from across BC and as far as Switzerland and the Philippines (see sidebar below). A quarter of MET applicants are TBDL graduates intending to transfer courses to obtain a

Using on-line technologies to deliver distance education has enabled us both to increase the quality of our programs and to reach out to the world.

of Education, and is being developed in collaboration with the Distance Education & Technology division of Continuing Studies, an established world leader in the field of on-line learning.

Distance education programs have used a predominantly independent study approach to teaching because the technologies did not allow for sustained interaction and collaboration. But with on-line technologies all that changed.

"Using on-line technologies to deliver distance education has

different regions of the world can come together on-line to share experiences and work together.

The MET emerged from the highly successful and award-winning Post Graduate Certificate in Technology-based Learning (TBDL), designed and delivered by UBC Distance Education and Technology (DE&T) in collaboration with Tec de Monterrey from 1997 until this year. For the MET, educators from both institutions teamed up to develop a graduate program aimed at educators in

Master's designation.

More than 60 credit courses are now available on-line through Distance Education & Technology and several new and innovative professional degree programs are in development.

For more information visit Distance Education & Technology at <http://det.ubc.ca>, or the MET website at <http://met.ubc.ca>. □

Shari Virjee is the manager of New Business Development for Distance Education and Technology.

Burning the Midnight Oil in the Land of the Midnight Sun

Northern teacher works nights for new online degree. BY CATE KORINTH

For Patrick McDermott, attending a class at UBC would mean a 12-hour flight over 3,100 km of icy wilderness, but thanks to UBC's first on-line master's degree, he can learn how to enrich the lives of 256 Inook students without ever leaving town.

McDermott teaches high school social studies and computer application courses in Pond Inlet, Nunavut, a tiny community accessible only by plane. Perched on top of Baffin Bay across from Greenland, it's the kind of place where glaciers are visible from town and icebergs float by even in summer.

A friend in Pond told McDermott that UBC's Faculty of Education was pioneering a Masters of Educational Technology (MET) program in partnership with Tec De Monterrey, Mexico.

The program's courses – all on-line – teach educators how best to use technology as a teaching tool. The classes explore ethics, accessibility and diversity issues, and include plenty of interaction with other students.

McDermott expects the program will help him use technology to deal with the special needs that arise in a small school (where class sizes range from three to 45 students and different grades are often combined) with a largely Inook student population.

"My biggest teaching challenge is finding effective

ways to reach students from a traditional native culture whose first language is Inuktitut," McDermott says. "Students are trying to adapt their traditional skills to Western technological skills and demands. The web, computers and multimedia can help bridge this gap."

"One of the reasons I enrolled in the MET is to enhance my abilities and versatility as a teacher. I want to learn to deliver course material in a way that will enhance student learning."

He also hopes to foster school policies that will guide his colleagues in the area, as most do not have a lot of experience using technology in the classroom.

The on-line courses mean McDermott's studies will fit neatly into an already-busy schedule. "Late in the evening after I put my two-year-old son to bed, I'll go back to the school to use the Internet for my UBC classes," he says.

Originally from Nova Scotia, McDermott and his wife, also a teacher, landed on the tip of Baffin Island six years ago and haven't looked back.

"The North is a fantastic place to teach and live. It's an adventure, both professionally and personally," he says. □

Cate Korinth is the communications coordinator for the Faculty of Education



Patrick McDermott is raising the bar for teachers in the far north.

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The Inok Building at Vancouver School of Theology on the UBC campus. Photo: Perry Danforth

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For more information, contact the Wall Institute by phone (604) 822-4782, fax (604) 822-4222 or e-mail info@pwias.ubc.ca or check our web site at www.pwias.ubc.ca


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Mathematical Sciences student Arsia Assadipour surfs the web in the sun.

PHOTO: BRIAN LIN

UBC Launches Canada's Largest Campus Wireless Network

Computer users free to roam. BY BRIAN LIN

UBC's students, faculty and staff no longer need to be chained to their desks to be connected to the world.

This fall, 50 per cent of campus buildings will be hooked up to an enormous campus wireless network – the largest in Canada – allowing laptop and hand-held computer users to easily access the Internet, communicate with others and still bask in the warmth of the autumn sun.

For the past year, the University Network Program has been building possibly the largest wireless network of any university in North America. Access point transceivers have already been installed in and outside of Koerner Library, in the War Memorial Gym, Brock Hall, and Koerner Pub. By mid-2003, all classrooms, labs, offices and some student social space will be wireless-compatible.

The wireless network is already having an impact on service delivery at UBC and students will be the

first to benefit from the added freedom. In the first two weeks of September, volunteers with wireless laptops will offer students waiting in line at Brock Hall an opportunity to check their fees on-line.

"By providing an alternative to busy computer labs, the new campus wireless Local Area Network will substantially improve students' access to computing resources," says Electronic and Computer Engineering Adjunct Prof. Dave Michelson, who is a consultant on the project.

"Few organizations have deployed Wireless Local Area Network (LAN) technology on this scale," Michelson adds. "The lessons that we learn will in many cases represent significant contributions to knowledge."

The deployment is part of UBC's e-Strategy to support work, learning and research using on-line technologies. Wireless networking will ensure intellectual

and creative endeavors aren't limited by the length of the telephone cord.

"This will create a new and exciting platform that will provide unparalleled high speed mobile access to UBC information systems and the Internet," says Project Manager Jonn Martell, who expects students will soon develop innovative ways to make wireless computing part of their learning experience.

The wireless network was designed to be very user friendly. With the LAN card properly installed, the connection will be automatic in designated areas. Users can then log in using their Campus-wide Log-in, Interchange, or NetInfo user ID and be instantly connected to the Web.

Many students are already taking advantage of existing wireless compatible environments, such as the laptop loaner program at the Chapman Learning Commons in the Main Library. Wireless LAN cards will soon be made available through Koerner Library's circulation desk. They are also available for sale at the Bookstore. □

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FALL PROGRAM 2002

September 24	The Hon. Thomas Berger, O.C., Q.C. Vancouver, B.C. ONE MAN'S JUSTICE: THE LAW AND THE STRUGGLE FOR A JUST SOCIETY	November 9	Professor Shelley Wachsmann Department of Biblical Archaeology Texas A&M University THE SEA OF GALILEE BOAT: AN EXTRAORDINARY 2000-YEAR-OLD DISCOVERY
October 5	Professor John Roemer Walter Professor of Moral Philosophy Oxford University WORKING LINKS: THE VALUE OF BEING ALIVE	November 16	Mr. David Stocumen Writer, Lecturer, Broadcaster London, England HITLERS' ENIGMA: THE CULTURAL IMPACT ON BEHIND OF REFUGEES FROM NAZISM
October 19	Professor Carol Edwards Faculty of Medicine Laval University MAXIMIZING WALKING CAPACITY AFTER STROKE	November 23	Professor Stan Echeard Department of English UBC THE ONCE AND PRESENT KING: ARTHUR, MEDIEVAL AND MODERN
October 26	Professor James Geller Department of Chemistry University of Toronto PLASTICS, ENERGY AND ECOLOGY	November 30	Professor Alfred Alkal College of Natural Resources University of California, Berkeley WILF HARBERT: OVERCOMING THE ECOLOGICAL TRAGEDY OF INDUSTRIAL AGRICULTURE
November 2	Professor Peter Burns, O.C. Faculty of Law, UBC Chairman, UN Organization Committee Against Torture THE UN COMMITTEE AGAINST TORTURE: FROM PROMISE TO A REALITY IN THE WORLD		

Vancouver Institute lectures are held on Saturdays at 8:15 p.m. in 1 lecture Hall No. 2 of the Woodward Instructional Resources Centre at the University of British Columbia. Admission to lectures is free and the public is invited to attend. Call 622-1444 for a program. For full information, visit our website at <http://vpi.com/~ted/vainst/>

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UBC REMEMBERS



On Sept. 11 UBC will be hosting two ceremonies to give members of the university community and the public an opportunity to reflect on the first anniversary of the tragic events of 9/11.

Remembrance at UBC Flagpole Plaza

At 9 a.m. at the university Flag Pole Plaza there will be a short ceremony for the university community involving the lowering of the flag accompanied by a musical tribute from a quintet of musicians from the School of Music and a reading from the Theatre Department.

Live Broadcast from UBC at Robson Square

At 11:30 a.m. at the university's downtown Robson Square Campus there will be an hour long ceremony in the skating rink area that will include musicians from UBC's School of Music and the Vancouver Fire and Rescue Service. Fire and Police Honour Guards will take part in a ceremony featuring readings from UBC's Theatre Department. Global TV will broadcast the Robson Square ceremony live on its Noon News Hour program which will be shifted to begin at 11:30 a.m. in order to cover the entire ceremony.

OUR READERS WRITE



Editor's note: In the last issue of *UBC Reports* we ran this Time Piece photo (above) asking whether anyone knew what happened to the UBC bowling alley.

Dear Editor:

The Bowling Alley was relocated from the War Memorial Gym to the SUB.

At the time the building opened (in 1968 I think) the Bowling Alley was located in the east side of the lower floor. I think it was removed sometime in the '70's due to a decline in the popularity of bowling and the pressure for space in SUB. I believe the pin setting machines and the lanes were subsequently sold.

Byron Hender
Executive Coordinator, (retired)
VP Students

Correction

In the August edition of *UBC Reports*, we reported that each year 2,500 people make use of the Women's Resources Centre at Robson Square. The number is actually 25,000 people.

Dear Editors:

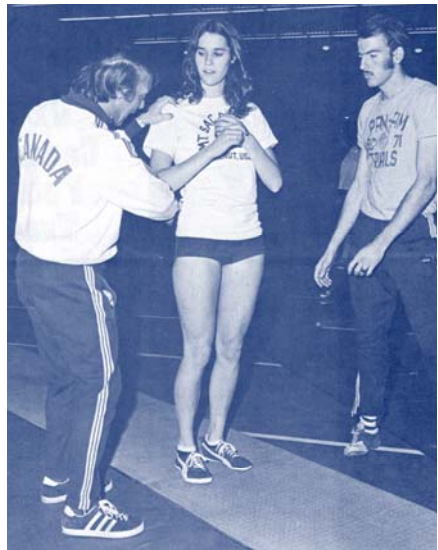
The reaction of Nancy M. Forhan (August 1) to the article "Our Favourite Spots" (July 4) is sadly typical. Such sexist stereotypes of men, especially white men, are now extremely common and widely tolerated. Forhan's claim to be "overly sensitive" is especially interesting, seeing as Forhan seems not to have read the article, which writes not of four middle-aged, caucasian males, as Forhan claims, but of eight persons, two of which we may assume (but not take for granted) are women, and all of which are wholly human. How are we to presume which ethnic group persons in photos belong to, or even what exact age or sex they are?

If one must cynically analyze the text, it is possible that the article writer, or *UBC Reports* editors, are guilty of political incorrect demographics. However, the only direct proof we have of callous racism, sexism, and ageism is from Forhan's hand. Such snap political judgements are the rule in today's academia, and I applaud the rare independence of mind and courage of women and men who, by standing up indiscriminately for all persons, struggle to avoid such hypocritical traps in the face of overwhelming societal pressure to submit to its current dogma, and in the charge of violating the very justice they defend that is sure to follow.

Clearly equal ascription of human dignity to all persons of any outward appearance, until someone proves herself or himself undeserving on an individual basis, still has a long way to go. I welcome any opportunity to discuss the issue further with Nancy N. Forhan.

Allen Haaheim,
UBC student

TIME PIECE 1972



Lionel Pugh and his assistant coach highjumper Debby Brill during UBC's "Golden Age" of track and field.

UBC lost a major piece of its history lately with the passing of **Lionel Pugh**.

As noted on the UBC Sports Hall of Fame web site, Pugh was UBC's track & field and cross-country coach from 1964/65 until 1986/87 - UBC's "Golden Age" of track and field. He coached UBC to four national titles and an astounding 25 Canada West championships. Many of UBC's track & field records were set during his time and he produced 14 Olympians. He was Olympic coach for Canada in '72 and '80.

Pugh is fondly remembered as one of the great architects of UBC's sports program. A Physical Education graduate of the University of Wales and Carnegie College in the United Kingdom, he was appointed to the staff of UBC's School of Physical Education and Recreation in 1964. For 23 years - from 1964/65 until 1986/87 - Pugh was the coach of UBC's men's and women's cross-country teams and men's and women's track and field teams. This was the "golden era" of UBC track athletics, with high performance athletes, Olympians, records set and championships won. It was Pugh's era, particularly the early 1970's that has proven to be unparalleled in UBC track and field history. □

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UBC hires on the basis of merit and is committed to employment equity. All qualified persons are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. Applicants should send a letter describing their interest in the position, a curriculum vitae, and names and addresses of at least four references whom we can contact in confidence to:

Dr. Frieda Granot, Chair, Search Committee for the Director of the Peter Wall Institute for Advanced Studies, and Dean, Faculty of Graduate Studies, The University of British Columbia
 6371 Crescent Rd, Vancouver V6T 1Z2

Competition closes October 8, 2002 or when the position is filled. E-mail submissions will be accepted by Grace Lee <gracelee@ubc.ca>.

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Location: Sage Bldg (lunch provided)
Presenters: Don Proteau, Senior Financial Planner
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Team-based Approach to Learning Gains Popularity

Finding answers by solving problems. BY HILARY THOMSON

Students sneaking a snooze in the back row of crowded lecture halls may become a rare sight as problem-based learning (PBL) gains ground on campus.

Traditional lectures see one teacher talking and a large group of students listening. Answers to problems may be found in notes and texts.

The PBL format, however, sees groups of about eight students and a tutor/facilitator discussing complex, real-life issues in tutorial sessions. Students must develop research, critical thinking and communication skills to find their own answers to assigned problems. Education theories suggest when people discover information for themselves they value it more and retain it better.

"PBL is one technique in a growing trend of highly interactive and participatory learning approaches," says Alice Cassidy, associate director at the Centre for Teaching and Academic Growth who co-ordinates the PBL network on

campus with Ingrid Price, an instructor in the Faculty of Pharmaceutical Sciences. "PBL encourages higher-order thinking and requires students to take responsibility for their learning."

The faculties of Medicine and Dentistry introduced PBL to campus in 1997 as the model for their shared first two years of curriculum. Since then, Agricultural Sciences and Pharmaceutical Sciences have made substantial changes to integrate the format into their curriculum. Other faculties have adopted PBL for specific courses.

"PBL not only develops you as a student but also develops you as a person. Once you get the main concepts, ideas, and research skills – the tool box – you can make your way through problems in life," says Rosy Smit, who co-ordinates UBC's Market Garden since graduating this spring with a degree in Agricultural Sciences.

Tutors are usually faculty members or graduate students and the

Not your usual classroom – AgSci PBL students find the answers.



PHOTO: JALENE GROVE

Faculty of Agricultural Sciences is developing senior undergraduates to become tutors. Training ranges from half-day workshops to three-day sessions in basic tutor skills and there is additional support through meetings with colleagues and students, and peer feedback.

The Faculty of Pharmaceutical Sciences uses the PBL model in some courses in the first two years of the curriculum. In addition, they are building on the PBL concept with a set of courses called Cases in Pharmaceutical Sciences (CAPS) which will be introduced to first-year students in September 2003 as part of the faculty's new curriculum.

"We'll give students the building blocks for learning in the first year using case-based workshops," says Lynda Eccott, an instructor in Pharmaceutical Sciences who is helping to develop CAPS in the faculty. "They'll gain the basic skills such as communication, literature evaluation and self-directed learning."

It even works on-line. Moving a PBL course on-line was a solution for Pathology and Laboratory Medicine Assoc. Prof. Niamh Kelly, and Elizabeth Bryce, a clinical associate professor of Pathology, who co-teach an upper-level science course.

The Internet adaptation solved issues such as maintaining small groups in the face of expanding class sizes, overcoming timetabling barriers for students and making learning accessible for students and health practitioners throughout the province.

Students work in groups of five to six using a private group bulletin board to discuss the assigned questions. Answers are posted to the board so groups can compare and debate differing interpretations.

Next steps in developing the PBL network include the first-ever campus-wide tutor-training workshop to be held this fall where aspiring tutors from disciplines across campus can meet.

For more information on PBL on campus contact Cassidy at alice.cassidy@ubc.ca.

Call for Nominations

Distinguished University Scholars

Vice President Academic Barry McBride is pleased to announce a new retention program for Distinguished University Scholars. The designation "Distinguished University Scholar" will be conferred by the President on the recommendation of the Deans and the VP Academic and Provost to recognize exceptional members of faculty who have distinguished themselves as scholars in research and/or teaching and learning.

The Chairs program is designed to aid in the retention of exceptional scholars at UBC, especially, but not exclusively, in the humanities, social sciences, and creative and performing arts. This emphasis will help to balance the impact of the Canada Research Chairs program, which has disproportionately benefited the Medical, Natural, and Physical Sciences, both in retention and in recruitment.

A Distinguished University Scholars Review Panel chaired by a distinguished faculty member and composed of other exceptional senior scholars, will make recommendations on the awarding of Chairs. Excellence in scholarship will be of paramount importance in the selection of Chair holders.

The funding for this program is part of the retention package agreed to by the University and the Faculty Association. There will be approximately twenty-five of these awards made in each of the next two years.

For an initial allocation of fifteen awards, the deadline is November 1, 2002

Further details are provided at: <http://www.vpacademic.ubc.ca/Research/dus.htm>

UBC ALUMNI

One of the best ways to judge a university is by the quality of its alumni. UBC grads are world-renowned opera singers, CEOs of international corporations, award-winning writers, scientists, economists, teachers, physicians, lawyers and professionals of all stripes, and make up a large part of BC's workforce.

UBC has been sending graduates into the world since 1915, and while the institution has granted nearly 200,000 degrees, we currently have about 142,000 addressable alumni on record.

Alumni also make up a large part of UBC's workforce. The records show that 1,100 faculty and staff members are grads, but we know there are many more. We want to know who you are so we can send you news about reunions and alumni events, keep you informed with the award-winning alumni magazine, TREK, and get you involved in alumni programs on campus.

Call the Alumni Association offices (2-3313), and make sure you are flagged as a UBC grad. Your name will be put in a hat, and you may be the winner of some very classy alumni gear.



ALUMNI SPOTLIGHT >

Deborah Nelson, MBA'88

Position: Executive Director, UBC Robson Square

How long: One month as E.D., 14 years at UBC in various administrative positions, Faculty of Commerce.

Professional goal: "UBC is on its way to being the best university in Canada. Robson Square lets us show that energy, creativity and dynamism to the downtown community."

Fondest memories of UBC: Meeting her husband and writing her last exam.

Favourite hangout as a student: The old Bus Stop.

Best thing about UBC: "Students. When I was assistant director of the Career Centre, the students we worked with amazed me every day."

Breaking Barriers

continued from page 1

Technology division.

Together they build on-line courses that recreate the immediacy and practicality of a music studio.

"In a classroom I'll draw a diagram of the theory then demonstrate by playing it on the piano," Konoval says. "But this technology will not only recreate a classroom experience - it will be a completely different approach. I created a multimedia text that's student-driven because they can explore the concepts themselves."

With *NoteAbility Lite*,

Konoval uses Hollywood themes to illustrate concepts in classical music for his students. Clicking on the laptop, he plays *Star Wars'* familiar Darth Vader theme - and bringing up one of Wagner's themes from *Tristan und Isolde* alongside it, he makes the parallels between the works immediately obvious.

"I look for examples that will interest students, in everything from medieval chant to Sting songs. It makes the point much more effectively because they can both see it and hear it at once," he says.

The on-line course in music appreciation is expected to be ready by January 2004. □

FACULTY OF SCIENCE The University of British Columbia

Call for Nominations KILLAM PRIZES for EXCELLENCE IN TEACHING

The University of British Columbia established Awards for Excellence in Teaching in 1989. Awards are made by the Faculty of Science to UBC Science faculty members, including full-time (seasonal) lecturers and laboratory instructors who are selected as outstanding teachers.

We are seeking input from UBC alumni, current and former students.

Nomination Deadlines
First term - October 11, 2002
Second term - January 24, 2003

Nominations should be accompanied by supporting statements and the nominator's name, address and telephone number.
Please send nominations to:

Chair, Killam Prizes for Excellence in Teaching
c/o Office of the Dean of Science
Rm. 1505 - 6271 University Blvd.
University of British Columbia
Vancouver, BC V6T 1Z4
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- * Join the Bicycle User's Group! Monthly meetings provide ongoing feedback on campus developments from a cycling perspective. Contact TREK for more details....

Other News

- * TREK has two new Natural Gas Vans available for use by UBC departments. If you need a vehicle for UBC field trips, to provide a shuttle service or for other work/school related activities, give us a call...
- * TREK and AMS Safeway are now offering a "Safe Ride Home" Program for all UBC students that live on campus. Contact AMS Safeway for more details....
- * TREK's new Emergency Ride Home Program removes the "what if's" of commuting. If you regularly vanpool, carpool, bike, walk, or take transit, you now have access to a reliable ride home via a cab when an emergency arises and TREK will reimburse you 90% of the

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kudos

Barclays Award goes to UBC

Asst. Prof. of Finance Kai Li was awarded the annual Barclays Global Investors Canada Ltd. Research Award.

Li won the \$10,000 prize based on her paper "What Explains the Growth of Global Equity Markets?".

Her research proved that the growth of global equity markets between 1974 and 1997 was primarily because of overconfidence among investors, and therefore not sustainable.

Engineer earns award of a lifetime

Prof. of Mechanical Engineering Clarence de Silva has been presented the Lifetime Achievement Award by the World Automation Congress, "in recognition of his outstanding contributions to the field of Intelligent Automation and Its Practical Applications." The award plaque was presented in June at a meeting held in Orlando, Florida. Also, earlier this year, de Silva was appointed the Editor-in-Chief of the International Journal, Control and Intelligent Systems (founded in 1972).

UBC Prof. joins elite group

Prof. Walter Hardy of UBC's Physics and Astronomy Dept. is in good company. By winning the prestigious Fritz London Memorial Prize for Low Temperature Physics, he joins an elite group of previous recipients – eight of whom have gone on to win the Nobel Prize. The international honour, awarded every three years for outstanding experimental and theoretical contributions to low temperature physics, was presented at the International Low Temperature Conference in Hiroshima, Japan in August. Hardy was recognised for his pioneering research in hydrogen and high-temperature superconductors. A cash award of \$21,000 will be divided equally between Hardy and two other winners, Russell J. Donnelly of the University of Oregon, and Allen M. Goldman of the University of Minnesota.

New portfolio supports med school expansion

Dr. Joanna Bates has been appointed Senior Assoc. Dean, MD Undergraduate Education for an initial three-year term.

The new portfolio is designed to recognize the increasing scope of responsibilities in the area of MD undergraduate education as the faculty expands its undergraduate enrolment in a distributed program of medical education.

Bates will chair the MD Undergraduate Expansion Taskforce and the Curriculum Management Committee.

After joining the Dept. of Family Practice in 1992, Bates served in a variety of leadership roles including Associate dean, Admissions in the faculty from 1997 to 2002. She has expertise in the areas of medical education programs, medical informatics and telehealth. □



PHOTO: MARTIN D'EE

UBC alumni tread the boards at Bard on the Beach

UBC alumni have been strutting and fretting their hour upon the stage at Bard on the Beach this year, but they are far from poor players. Several graduates of the Theatre program have played leading roles in performances at Vancouver's popular annual Shakespeare festival.

Katey Wright, who helped to found the Bard 13 seasons ago, has the role of Viola in the comedy *Twelfth Night*. Moya O'Connell, returns to Bard for her second season in the role of Imogen in Shakespeare's epic adventure *Cymbeline*.

Two recent UBC grads making their debut at the festival this year are Damon Calderwood, a Theatre and Science major, who has parts in *Twelfth Night* and *Henry V*, and Joshua Reynolds who appears in *Cymbeline*.

Another graduate, Kevin McAllister, designed the set of *Twelfth Night*.

Bard on the Beach runs to Sept. 22 in Vanier Park. For more information call 604-739-0559 or visit www.bardonthethebeach.org.

Arts space expands

School life just got more pleasant for Arts students, thanks to renovations to Buchanan D block. An open area on the first floor of the building has been enclosed to provide larger office facilities for the Arts Undergraduate Society (AUS) and more social space for students.

The new space will also house a variety of amenities for students including several iMac computers, showers for bicycle commuters, and a fully furnished lounge with a stage and small bar area.

The move to expand began two years ago when the AUS held a referendum asking students to pay an extra \$5 per year to help fund the renovations. The university put in \$250,000, and alumnus James Meekison (BA'61, MA Economics'62) donated \$450,000.

Health Policy Forum

UBC has been chosen by the Commission on the Future of Health Care in Canada to host a public policy debate on the "Pros and Cons of Globalization in Health Care."

The discussion will take place at UBC at Robson Square on Thursday September 19 from 7-9:30 p.m. The free event is part of a series of policy forums across the country organized by the Romanow Commission to consult with Canadians about health care issues.

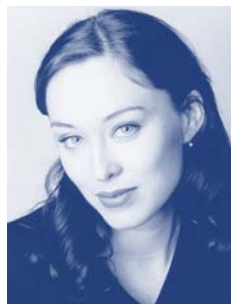
Moderator John Gilbert, Principal of the College of Health Disciplines at UBC, will welcome a panel of six speakers including Robert Evans, health care economist and UBC Economics professor, and Susan Harris, clinical associate professor in family practice.

The guests will speak to a discussion document provided by the Commission, and the public will then be invited to give feedback.

United Way Kickoff

This year's United Way is set to kick-off on Wednesday, Sept. 25th with a BBQ at the SUB South Plaza. Co-hosted by the Alma Mater Society, it will feature burgers, live music, prizes, and fun! The event is scheduled to run from 11:30am-1pm and the cost is \$5.

Two students have been elected to UBC's Board of Governors. Science student Mark Fraser and former AMS president Erfan Kazemi join our new chancellor Allan McEachern (left) on the 15-member board. For further information about board members visit www.bog.ubc.ca.



On the Beach (clockwise from top left): Moya O'Connell, Joshua Reynolds, Katey Wright, Damon Calderwood and Kevin McAllister.

The event will also host food concessions, local musicians, and a silent auction with gifts donated by merchants in the community.

Proceeds will go towards building the "community within Hampton Place and with the university," said Committee member Diane Alfred.

Freddie Wood calls alumni back

UBC's Frederic Wood Theatre kicks off its 50th anniversary activities with an invitation to all former company members to attend a gala reunion on Dec. 7. If you were a member of the Theatre, the UBC Players' Club or MUSSOC, you can add your name to the Frederic Wood Theatre's anniversary database by visiting www.theatre.ubc.ca or calling 604-822-0050.

Organizers are also collecting memorabilia such as programs, photos and reviews, as well as historical observations and anecdotes for use in the anniversary activities. These will include a commemorative exhibit on the history of campus theatre at Robson Square to be held Nov. 18 – Dec. 5, and a series of salons with former UBC students who are now working in the industry, beginning Nov. 23.

On Dec. 7, the Theatre will throw open its doors for an afternoon open house. This will be followed by the anniversary gala where guests will be treated to a variety show. □

Hampton Place Flea Market

The Hampton Place Community Fund is holding a Flea Market and Fair on Saturday, Sept. 15, 2002. It will take place from ten a.m. to two p.m. at the War Memorial Gym. Organizers are expecting up to 100 exhibitors. Residents' tables will carry a variety of items for sale from books to small furniture.

50 Years of Freddy Wood Theatre: were you in this play? Are you one of these actors? If so, Freddy wants to hear from you.

