

**President
Terry White
talks
about funding.**

See page 3.

Brock University

Surgite!

Spring 1996

**New kind of
tax relief
available.**

See page 4.

*A quarterly publication for graduates and friends of Brock University
Surgite! /sur-gi-tay/ Latin for "Push on!" The inspiring last words of Maj.-Gen. Sir Isaac Brock*

Room for music

by Leila Lustig

**Can you picture
this grad
grinning?**

No? Well, just ask him his new single "With or Without You" peaking at #53 on the Chart. That's the *National Record Chart*, which lists the 100 pop songs getting the most air-play in Canada.

"That's really good," he'll tell you, "because I'm independent; I did this on my own, with no record company behind me. About 175 radio stations are playing my song."

"With or Without You" is on Mario Arcuri's album *Room for Love*, which was released May 1, 1995 at Stage West in Mississauga, where 550 people paid \$30 each on a Monday night to hear Mario and his band: Derek Sharp, guitar; Pat Kilbride, bass; Lance Anderson, keyboards; Richard Brown, drums; Pat Perez, sax; and Maddie Willis, female vocals.

The album is in record stores across Canada. "That's hard to get," Mario says. "I sent it to at least 30 distributors. As soon as I showed up on the Chart, they rushed to sign me."

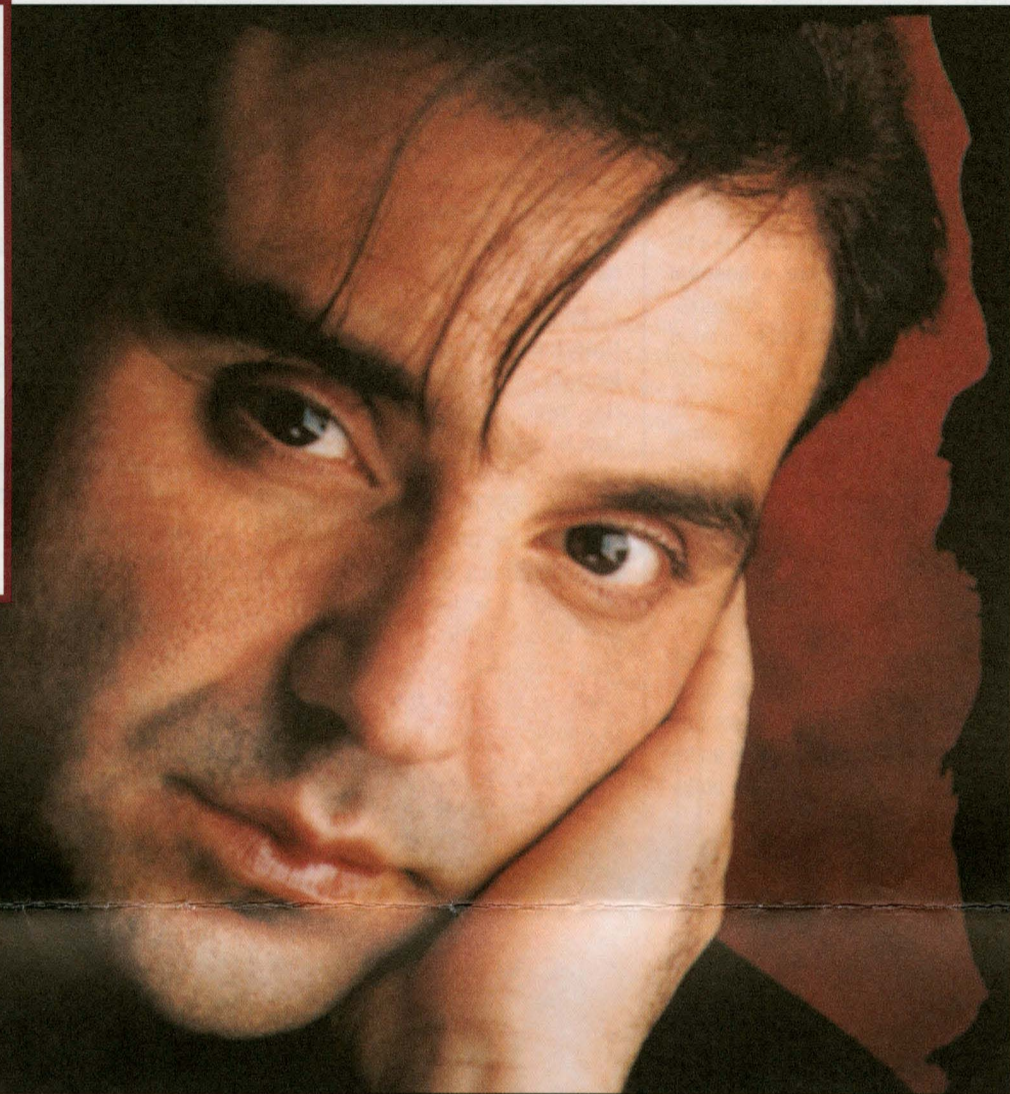
Media people were harder to convince. When Mario called them, they said "What chart's that? The one Elton John is on?"

"Yeah, the same one. In fact, I'm *ahead* of Elton John on the Chart."

"But I've never heard of you."

"You will, if you listen to the radio."

Selling his album certainly would be easier with a record company doing the selling. "I don't have the money to market myself in print or on the radio. It's very expensive. I sell my CDs and tapes wholesale to the distributor; they phone all the record stores for me, and they put my stuff on the shelf on consignment. A marketing firm called me one day and said, 'For only \$40,000, we can do a one-time, one-day ad in all the majors across



BOGNER PHOTOGRAPHY

Canada.' 'Are you nuts?!! I said. 'Only \$40,000? That's a salary!'"

But now that "With or Without You" has "charted," record companies are saying, "We're going to watch you."

Fortunately, Mario doesn't depend on music to put bread on the family table. A 1983 graduate of Brock's Faculty of Education, he teaches special-education students aged 13-21 for the Dufferin-Peel Separate School Board, in a program called

While working on his BEd and publicizing athletics, Mario was also in the band "Introduction," which played three dances in Brock's gym. "We were a rock'n'roll band; we played Bob Seger and Bruce Springsteen hits."

Planning for Independence. "The kids go to school half-time and work half-time in a job placement. It's great for their self-esteem," he says.

His undergraduate degree in physical education (with a minor in psychology) led him to a one-year job in 1982 as public relations director

for Brock's Athletics program. "I had a system set up so all the coaches would call my answering machine at home with the scores; I would type them up and deliver them to the media. I helped design and name Boomer the Badger. That year, Brock's women's basketball team won the national championship." Mario recalls the team members included twin sisters Peggy and Patty Stamps.

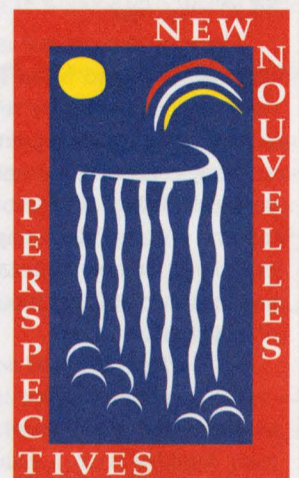
"Those were the days!" he says wistfully. "I had a lot of fun here. You knew everybody. I think there were only 3,700 full-time students then." Among the faculty members, Mario remembers Bob Davis especially: "He was very warm, very kind. Also Jean Wilson. I was president of the Physical Education Association for a year; we did all the student activities for Phys Ed: orientation week, dances, guest speakers, fundraising..."

While working on his BEd and publicizing athletics, Mario was also in the band "Introduction," which played three dances in Brock's gym. "We were a rock'n'roll band; we played Bob Seger and Bruce Springsteen hits. I was a drummer then. Now I'm strictly a lead singer, and my style is pop-adult."

Described as "very energetic" on-stage, Mario performs not only his own songs, but "cover tunes" as well, by other artists—Billy Joel, the Doobie Brothers, Hootie and the Blowfish. I do them just like the artist. In fact, I do all kinds of voices. [Here, he does a very credible imitation of Kermit the Frog.] I don't have Elton John's voice

Continued on page 3

**The Learned
are coming!**



1996 Learned Societies Congress
Congrès des Sociétés Savantes

See page 8

◆ Inside ◆

Cover:
Room for music
PAGE 1

**A matter of
perspective**
Acquired brain injury
PAGE 2

Forum:
President Terry White
PAGE 3

Features:
A gift to Brock's
Crown Foundation
PAGE 4

Agricultural crime
stoppers
PAGE 5

The Learned are
coming
PAGE 8

Alumnews 6
*Including Alumni
Scholarship winners*

Brock Briefs 7
*Including our man
at the U. N.*

Brock University

St. Catharines, Ontario, Canada L2S 3A1
(905) 688-5550, ext. 3245

POSTMASTER
REQUEST FOR RETURN

MAIL POSTE
Canada Post Corporation/Société canadienne des postes
Postage Paid Port payé
Blk Nbre
8800278-99
L8E 2R0

A matter of **PERSPECTIVE**

Futures for people with acquired brain injury

by **Leila Lustig**

There's good news, and there's bad news.

A lot more people are surviving very serious injuries than did 10-20 years ago....

...so a lot more people are living with acquired brain injury. Over the long term, they're likely to have problems seeing, hearing, walking, concentrating, remembering, listening, speaking, reading and writing. They may also experience emotional instability, low tolerance of frustration, lack of inhibition or anxiety.

So ... What's the good news?!!

The good news is that help is available for these people and their families from a relatively new kind of organization, of which there are 12 in Ontario. In this story, you'll read about one of them—Brain Injury Community Re-entry (Niagara) Inc.—which is very much involved with graduates, students and faculty members of Brock University.

Acquired brain injury (known to health professionals as "ABI") is technically defined as "damage to the brain which occurs after birth and is not related to a congenital disorder or a degenerative disease (such as Alzheimer's disease or multiple sclerosis)." The damage may be caused by a traumatic injury to the brain associated with, for example, a motor-vehicle or other traffic accident, a fall, an assault or a sports injury. It may also be due to a non-traumatic cause such as a stroke, tumor, aneurysm, anoxia or an infection such as encephalitis.

Only a very few people with moderate-to-severe brain injuries will resume pretty much their familiar lifestyle. Others—one to five percent—will be completely dependent on others for all their daily needs. Most will be able to take care of their personal needs, but will need help with other aspects of their lives.

The people around someone with ABI are deeply affected by such an injury. Young men age 18-25 are most likely to sustain traumatic head injuries because, statistically, they tend to take more risks in sports, driving and other activities. Consider such a young man who has recently married and has small children. The stress of the situation may destroy his marriage, and he may have to return to his parents' home, where his mother must once again resume the role of primary care-giver. Other roles change, too. The injured person and his loved ones may well grieve for a lifetime over the person he

was before the injury, hoping or expecting that he will return to his pre-injury lifestyle or status.

It's difficult for family members to deal with many of the problems caused by ABI. For residents of the Niagara Peninsula, where Brock University lies, Brain Injury Community Re-entry is a vital resource. Neither a hospital nor a clinic, BICR is an organization that provides the help needed by people with ABI between the ages of 16 and 65 to re-integrate with their community. (Very young and very elderly people have different sets of problems and needs.)

BICR was founded in 1988, to deliver long-term support and rehabilitation programs to people with ABI, whom they refer to as "participants." Participants, family members, staff members and other professionals work as an integrated team to provide a holistic

approach to rehabilitation for staff members and other community agencies; and psycho-social support such as grief counselling, anger management, appropriate expression of sexuality, issues of adjustment, and family counselling.

People with ABI have a difficult time transferring skills they've learned in a clinical setting into the "real" world. You can learn how to catch a bus, buy your groceries, do your banking or go to school only by actually doing these things. Imagine, for example, going back to Brock University after a serious brain injury and having difficulty controlling your impulses to jump up during class, to interrupt the professor or another student who's talking, to swear out loud if something

while, identifying what behavior is acceptable in class and giving you immediate feedback on whether your own behavior is appropriate. The counsellor might even help you prepare a script you can follow until enough reinforcement and repetition has made the accepted behavior part of your repertoire. When you seem pretty confident, the counsellor will "fade out" of the picture, possibly having found a fellow student to assume this feedback function for you. It may be months, even years, before you're completely

at hand makes her much more independent, giving her a sense of freedom.

"We don't propose to 'fix' or cure people," says BICR Executive Director Sarina Labonté. "Many of the individuals we serve will require some level of support for the rest of their lives. On the other hand, some make significant progress. It's all a matter of perspective. For someone who has been told he'll never walk again, being able to get around with a walker or a cane is progress. Reducing the number of seizures a person suffers, or helping the person to manage anger or anxiety more successfully makes a real improvement in the person's quality of life."

Brain Injury Community Re-entry receives an average of five referrals for service per month from a wide variety of sources in the community, ranging from self-referrals by individuals or family members to hospitals and rehabilitation centres, to insurance companies. There's a waiting list of about 90 people. In December 1994, a provincial task force, charged with determining the needs of people with ABI, developed indicators to predict its incidence in a given population. Niagara, with its population of about 400,000, can expect some 480 new cases of mild, moderate or severe brain injury each year. An estimated 385 adults with moderate to severe ABI live in the Niagara Region. "These numbers seem relatively small, but the issues can be very dramatic," says Sarina Labonté.

"We access a number of local organizations to help our participants, but the resources are still limited. Human resources are increasing, but supportive housing is desperately needed. Significant behavioral and cognitive challenges exclude a number of our participants from the usual community housing resources. That's our chief barrier right now.

"Nowhere in the Niagara Region can we access highly-specialized services such as neuropsychiatry and neuropsychology that are subsidized. Another problem is restrictive admissions criteria. Transportation and physical accessibility can also be



Standing: Sarina Labonté, Beth Neufeld, Kim McEachern, Jeanne Stewart, Rose Timmins, Melanie Gross, Rita Mobarak, Paula Cutler, Cathy Bittner

Kneeling: Derek Johnson, Paul Tkach, Jason Young, Derek Lahn, Greg Molnar

tic approach to rehabilitation.

The organization helps the person to develop an individual support plan, identifying goals and objectives. It provides community-based services including 24-hour supportive living options, rehabilitation services to help the person learn or refine skills needed for an active life in the community, and respite services to relieve the primary care-giver. It also provides specialized services: functional assessments; case co-ordination; consultation with other professionals; in-service training

makes you angry, or to make certain gestures or comments to

confident on your own.

BICR also teaches compensatory strategies. For example, some people with ABI never fully regain their short-term memory. A strategy such as a day-planner becomes a vital part of their equipment, a guide to what they did yesterday or last week as well as a future-planning aid. One BICR participant carries with her at all times a set of step-by-step instructions

someone of the opposite sex.

Once you've been formally admitted to Brock, BICR will assign a rehabilitation counsellor who might go to class with you for a

on where to get the bus, how to buy a ticket, how to get off, how to use a banking machine and so on. Having such instructions always

Same name, new look

Are you asking yourself, "What happened to the magazine?"?

Well, what happened was escalating costs and an ever-increasing number of Brock graduates with whom we want to keep in touch. This new format will save us thousands of dollars, while allowing us to continue giving you four issues per year. And we think you'll agree, it offers some interesting new possibilities for design. We welcome your comments.

Brock University

Chancellor
Robert Welch, OC, QC
Chair, Board of Trustees
Carol Reid
President
Terry White, PhD

Surgite!

Executive Director,
External Relations
Grant Dobson
Editor
Leila Lustig
Design & Layout
Heather Fox
Printing
Allprint Ainsworth Assoc.

Brock University has made significant contributions to the development of Brain Injury Community Re-entry (Niagara). Three professors serve on its Board of Directors. Twenty-three staff members are Brock graduates or students.

continued from page 1

Room for Music

just yet; he's hard to do because he sings so high. In fact, he just had major surgery for vocal nodes, so it must be hard on his *own* voice!"

Mario started his teaching career with Grade 3/4. "I taught every grade during my 10 years in elementary," he says, "and went from there straight into special ed. I was always writing music. I formed another band in Toronto called 'The Touch.' We were rated as one of the top bar bands in the area. It was good experience for me." Playing in a bar, "you have to be good to get people's attention." He stayed with The Touch for seven years, until 1991.

Meanwhile, he married Tammy Anne Skuta (BPHED '85) and "had three beautiful children": Stephen (6), Julian (4) and Nicholas (1). "We live in Caledon, Ontario. My kids know all the lyrics to my songs and sing them. They're my inspiration. I left playing live to

focus on my family. Instead of going out to bars and playing, I just go downstairs to my keyboard, my guitar and my piano, and write. I'm a melody-maker: I make melodies and then put lyrics to them. Two of my best friends are my arrangers. Lance Anderson helped me write seven of the songs on the album, and Greg Critchley co-wrote and co-produced four of the songs, including 'With or Without You.'"

Mario started working on *Room for Love* in 1992. He selected 12 of the 30 songs he had written over the past three years, around the theme of romantic love. There's also a song about his children. Asked about his favorite song among those he's written, he looks a bit surprised, then muses "It's not even on this album. It's 'Wanted Man.' I didn't want to record it yet. It's a story, really, writ-



BOGNER PHOTOGRAPHY

ten from pure emotion. It's about how everybody wants a piece of you. Taken literally, it's about a man running from the law; but to me it means something else. That's the beauty of art."

Would he like to give up his "day job"? No. Mario likes the balance between teaching and music. "The stress from teaching can be relieved through

my music. And things I hear and experience in my day job in some ways influence my writing."

Mario enjoys serving on the school board's teacher-interview panel, along with a principal and a vice-principal. "We're trying to find people who really care about children, who can see beauty and good in all kids. My job on the panel is to relax the candidate. It's

Mario enjoys serving on the school board's teacher-interview panel, along with a principal and a vice-principal. "We're trying to find people who really care about children, who can see beauty and good in all kids."

really hard for a person to represent themselves in a 20-minute interview. But I should add that everyone these days is very well educated. They not only have their teaching degree; they've done volunteer work in the schools, they've got a first-aid or coaching certificate, they're working on a Master's degree..."

It's clear that Mario is just about where he wants to be.

"My goal in music is to have a nice fan base, to keep producing albums that my fans will buy... without going broke! I don't ever think of leaving teaching." ❖

continued from page 2

A matter of PERSPECTIVE

a barrier: maybe the person needs to go to Hamilton, but can't drive and can't afford public transit."

Such barriers have turned some people with ABI into expatriates. Because rehabilitation resources are so limited in Ontario, residents of the province are regularly being sent to the United States for rehabilitation. Many have been in the U.S. four or five years, waiting for resources to become available at home.

"We liken this to being held hostage," argues Ms. Labonté. "As of September 1994, about 90 Ontario residents with ABI were in U.S. facilities, at an average cost

of \$800 Cdn per person, per day. Those are Ontario taxpayers' dollars! The people are in for-profit programs, often quite institutional and not the most appropriate resources for them. Existing services in Ontario could provide rehabilitation at one half to one third of the current cost."

It would be less traumatic for the people with ABI and their families if they could receive these services close to home, Ms. Labonté observes. "One fellow went to Texas at age 16 and is now 21. He spent a good part of his adolescence and young adulthood away from his family. He came home for Christmas in 1994 and saw his siblings for the first time in four and a half years. And family contact and involvement are a vital part of the rehabilitation process."

Brock University has made significant contributions to the devel-

opment of Brain Injury Community Re-entry (Niagara). Three professors serve on its Board of Directors. Twenty-three staff members are Brock graduates or students. "About three quarters of our volunteers are Brock students," says Executive Director Sarina Labonté. "They're a wonderful resource for us, and we're a great learning venue for them. They include a lot of Psychology majors, Recreation & Leisure Studies, Physical Education, Child Studies, Business Administration and English literature majors; and other students who just want to be involved in their community."

"The resources of Brock University have been very helpful in our development of clinical and program resources. BICR has also participated in several research projects undertaken by Brock's reading clinic and cognitive laboratory that have provided great insight into various approaches to ABI rehabilitation." ❖



DIVINO MUCCIANTE

Top: Kim McEachern, Rita Mobarek, Jason Young, Cathy Bittner
Bottom: Sarina Labonté, Paula Cutler, Sandra Harding

Forum

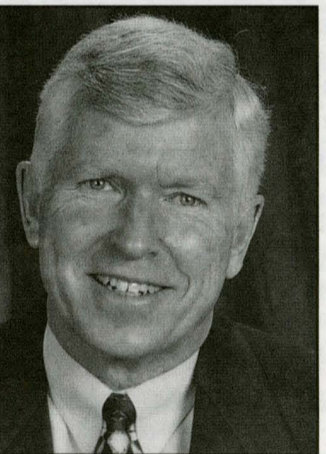
Finding a "Brock solution" to the funding challenge

Terrence H. White,
President and Vice-Chancellor

On November 29, Ontario's Minister of Finance announced cuts to the funding levels of universities. In 1996-97, the funding envelope for universities will be reduced by \$280 million to \$1.5 billion, a decrease of about 15 percent. Tuition fees will increase by a minimum of 10 percent, and institutions will have the ability to increase fees by up to 10 percent more. As I write this, the details of this latter increase have not yet been announced, but we do know that 10 percent of any new fee revenues must be set aside to provide increased assistance to students in financial need.

What does this mean for Brock University? Until the Ontario Council on University Affairs decides (sometime in January) how the university grants will be distributed, we won't know exactly. But we expect grant reductions of \$6-7 million and tuition-fee increases of at least \$2 million. With these changes, we expect that the gap between revenue and ongoing expenses will be \$3-4 million.

Currently, 63 percent of Brock's income is government



DIVINO MUCCIANTE

grants, 35 percent is tuition, and 2 percent comes from miscellaneous sources. On the expense side, 74 percent of our operating budget is academic operations (faculty and support salaries and other operating units such as the Library); 11 percent goes to physical plant (including energy costs); 7 percent goes to administration (the Registrar's Office, Finance, Personnel, etc.). The total is just under \$64 million, of which \$44,600,000 goes to full-time salaries and benefits, with another \$6 million to part-time salaries and benefits.

Over the last three years, Brock's government funding has decreased \$5.4 million.

continued on page 4

A gift to Brock's Crown Foundation creates memorial scholarships

by Christine Peake Bremner (BA '73 engl)

"I couldn't believe it; I had to read the letter three times to be sure it said 'one thousand dollars'," said Coleen Pielechaty. Ms. Pielechaty, third-year English major, and Adam Grodek, fourth-year geography major at Brock University, are the first recipients of the Helen S. Bremner and Bremner Family Memorial Scholarships. Each year, two third- or fourth-year students (one majoring in English, the other in geography) will receive a \$1,000 scholarship cheque.

The man who endowed this scholarship, James Manson Bremner, is not extraordinarily wealthy. In fact, for most of his working life, he and his family enjoyed a typical, working-class living.

In 1929, 15-year-old Jim Bremner left Wick in northern Scotland to join his brother and sister, who had come to Toronto in search of a better life. With a year and a half of secondary school, Jim was able to find work with Swift Canadian Co.

Jim married Helen Dryborough (another Scottish expatriate) on November 19, 1939. Three weeks later, he was sent overseas with the Toronto Scottish Regiment, part of the Canadian Expeditionary Forces. Regimental Sergeant Major Bremner came back to Canada in February 1945.

Jim also returned to Swift Canadian, where he spent the rest of his working career. His only son Tom was born in 1946. Jim was transferred to Edmonton in 1967, and retired from Swift's in 1978.

Helen Bremner passed away in 1982, and Jim began to consider the creation of a lasting memorial; but he wanted more than a monument. He wanted his wife and family to be remembered in a manner



James Manson Bremner

that would make a real difference in someone's life.

Son Tom is a Brock graduate (BA '70 geog). During several visits to Brock, both Jim and Helen had been impressed with the University, its faculty and staff. When Tom married me in 1984, there were now two alumni in the family and the Bremner connection to Brock was strengthened even further.

As a member of the Masonic order for 50 years and holding offices at the local, provincial, national and international levels, Jim became familiar with Masonic scholarships and bursaries. He

served on several boards that administered these awards, and saw the immediate impact those funds had on the recipients.

This combination of circumstances led Jim to contact the Office of External Relations at Brock with a view to endowing a scholarship. That's when Jim learned about Brock's Crown Foundation. A gift to a Crown Foundation can result in significant tax advantages, depending on the situation of the donor, and may in fact result in a larger contribution than originally envisaged.

After consulting his lawyer, Edgar Boyd, Jim found that he was

able to increase the amount of his gift to Brock. Splitting his donation between two calendar years (actually donating half in December 1994 and the balance in January 1995) will allow the tax benefits to be carried forward for seven years.

"I feel that by helping individual students continue their education, this contribution to Brock provides a lasting memorial for Helen and the family," says Jim. "I would urge others to consider the Foundation as a recipient of their donations to Brock University."

Jim and his wife Helen were never able to enjoy the benefits of a university education. Through these scholarships, many others will.

Christine Peake Bremner is a freelance writer and editor in Edmonton. A regular contributor of business profiles to the news magazine Alberta Report, she is currently working on the corporate history of an international mining company. Christine and Tom chair Brock's Edmonton Graduate Network.

Crown Foundation quick facts

- In November 1992, the Ontario government passed legislation creating Crown Corporations to act as foundations for each of Ontario's universities. These foundations are designated agents of the Crown, and have important tax implications for donors to universities:
- Unlike charitable gifts—that is, gifts to a registered charitable organization, for which the donor can claim only up to a maximum of 20 percent of his or her net income—gifts to university Crown Foundations can now be claimed for up to 100 percent of the donor's net income.
- A donation to a Crown Foundation can be carried forward for a period of five years and, in the event of the donor's death, back one year.
- Actual tax credits for gifts made to a Crown Foundation are calculated in the same manner as gifts made to a designated charity. What dramatically improves with a gift to a Crown Foundation is the limit of the gift and the level of tax relief for donors who wish to make a gift worth more than 20 percent of their net income for the tax year.
- The substantial tax benefits of a large gift to a Crown Foundation enable a donor to use a planned gift, such as a bequest, to make a more significant contribution than might otherwise be possible.
- A bequest, as the final gift a person makes, is usually large in relation to income at the time of death, and therefore well suited to take advantage of the benefits of a Crown Foundation. The tax savings are advantageous to the estate, and allow the donor to pass on additional resources to beneficiaries.
- Before making such a gift, donors should seek professional advice from a lawyer, accountant or financial planner who specializes in estate planning and tax laws. An estate that is properly planned, prepared and executed will best meet your needs as a donor.
- The purpose of the Brock University Foundation is to provide funds for the University's activities and to ensure that those funds are well managed.

Continued from page 3

Forum

another \$6-7 million. How will the University deal with this level of budgetary restraint? I believe it will be necessary to explore and adopt new ways of operating in order to respond to these cuts. Clearly, the University's greatest strength is its people, and we must remain committed to the values outlined in our Mission Statement.

In planning to meet these new challenges and to maintain the high quality of our learning and working environments, it is my hope, among others, that the following guidelines will direct our discussions and decision making. Namely,

- that we will maintain our commitment to students by providing high-quality education at the undergraduate and graduate levels;
- that the University will continue to grow and develop, maintaining or increasing its student

enrolment by providing an attractive learning environment;

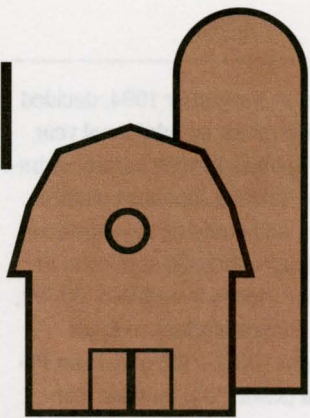
- that we will ensure through our planning and possible re-design activities the long-term viability and integrity of the institution, while meeting the requirements of the short-term financial circumstances; and
- that the University will continue to recognize its important and valuable relationship with the people of Niagara.

As our graduates and friends may remember, Brock has faced adversity before. I am confident that, as we have done in the past, we will find a Brock solution that will ensure our continued ability to be a significant player in post-secondary education in Ontario. ♦

SUMMARY OF BENEFITS TO CROWN FOUNDATION DONORS

- immediate and considerable tax relief
- the ability to make very significant gifts to the University
- maximum flexibility in your charitable giving
- recognition in perpetuity for you or a loved one, through a large gift
- the ability to create, maintain or enhance those University programs you value most, through a large gift

Agricultural CRIME STOPPERS



by Leila Lustig

Every crop has natural enemies that threaten to keep it from reaching the marketplace, reduce its value or make it less palatable to consumers. Farmers need help from scientists to eliminate or reduce these pests, but they usually can't afford such assistance. Partnerships with university scientists are one answer to this problem; they help the farmer curb the pests, and give the academic researcher a field-testing venue. Biological Sciences Professors Yousef Haj-Ahmad and Alan Castle are two of the growing number of Brock researchers involved in mutually-rewarding partnerships with industry.

Niagara's grape-and-wine industry is a major business success story of this decade. In the last few years, Niagara wineries have been winning international recognition; but this success has been achieved despite the continued presence of natural pests that attack grapes in the vineyard. One of the most significant pests is grape berry moth (GBM). The adult moth lays its eggs on grapes, and the larvae penetrate the berries and damage their contents. Because the larvae are situated inside the berry, chemicals can't reach them to stop their damage.

GBM causes wounds that facilitate the entry of *botrytis* spores into grape berries. The end result is a complex interaction between the two pests that is difficult to control. This is especially critical toward the end of the growing season, when farmers can't use chemical pesticides because of their residues. There's a waiting period between the last pesticide spray and the harvest.

At the same time, the market is demanding wines free of chemical residues; chemical residues affect fermentation, as well. These multiple pressures—crop loss due to insect damage; the resistance of GBM to chemical pesticides; and the need, in any case, to avoid chemical treatment—made Chateau des Charmes very receptive to a solution to the problem.

Enter the young bio-technology company Syrtec Inc., founded by **Sam Hanounik**, PhD, whose many years of experience in biological pest control (in North Africa and the Middle East) persuaded him that entomopathogenic nematodes might be the answer to GBM. These are naturally-occurring biological

DIVINO MUCCIANTE



Yousef Haj-Ahmad and Sam Hanounik in the vineyard

agents that look like earth worms, but are microscopic.

The nice thing about them is that they are harmless to humans and other mammals," says Sam. "They seek, locate and attack their target, which is insects. They penetrate the body of the insect through natural openings, and shed their cuticle inside, releasing a bacterium called *xenorhabdus*, which is directly responsible for the death of the insect pest. Another advantage of nematodes is that, unlike chemical pesticides, they can be used on the very same day as the harvest without any harm. There's no waiting period needed."

Syrtec is the only company in Canada that produces these nematodes. Most farmers import them at a considerable cost from the United States. Brock University Biological Sciences Professor **Yousef Haj Ahmad**, an expert in yeasts and bacteriology, made his laboratory facilities at Brock available for Sam to test the effectiveness of the nematodes. In the laboratory trials at Brock, Sam and Yousef were able to kill the larvae, pupae and adults of the grape berry moth in 24 to 48 hours. Once they obtained these results, they

set up a field trial with Chateau des Charmes Winery. The winery is providing an acre of its vineyard, in which Sam is spraying the nematodes on the grapes, and the researchers are watching the results with keen interest.

Yousef reports that the experi-

Yousef reports that the experiment is "looking very promising so far. If biological control such as nematodes works in GBM, that would be a tremendous achievement and a boost for the wine industry."

ment is "looking very promising so far. The final result will be analyzed by the end of this year. If biological control such as nematodes works in GBM, that would be a tremendous achievement and a boost for the wine industry."

And why hasn't anyone tried nematodes on GBM before? "Nematodes' normal habitat is the soil," Yousef explains. "Grape berry moth is normally above ground. So people would assume there's not

going to be any contact between the two. But when you spray the nematodes on the grape, they can easily survive in the micro-environment within the grape cluster, infect the GBM larvae and do their job."

The study must be repeated on a larger scale, Yousef says. Chateau des Charmes wants to treat all its vineyards this spring. Another nice thing about nematodes," he adds, "is that GBM doesn't develop a tolerance to it as it does to chemicals."

&

The composted, pasteurized mushroom-growing medium is usually placed in wooden trays to a depth of about 12 inches, and inoculated with "spawn"—grain that has been colonized by the mushroom. This is then incubated in a room held at about 18 degrees Centigrade, to allow complete colonization of the medium. Then it's covered with about four inches of peat moss, and the mushroom cells grow through that and form mushrooms on the surface. (The black stuff you see on mushrooms in the grocery store is peat moss, *not* horse manure!) When they reach a certain size, and before they open, the mushrooms are picked, usually by hand. The standard yield is about 7-8 pounds per square foot. The break-even point in terms of cost to the grower is about five pounds per square foot; that's a relatively small margin before the grower starts losing money.

Brock University **Biological Sciences Professor Alan Castle** has been "into" mushrooms since his post-doctoral days at the University of Toronto, working on a mushroom-breeding project. Since coming to Brock in 1987, he has worked on a number of projects in fungal genetics. He and Dan Rinker, of the Vineland Horticultural Research Institute, began talking a couple of years ago about the green mold problem, which started in Ireland in 1985, spreading from there to the UK. In the late 1980s and early '90s it was found in British Columbia and

Ontario, and now it's found in several U.S. states (including the mushroom-growing capital, Pennsylvania), in Mexico, in Australia, and now South Africa.

Alan and Dan then began discussions with the Ontario Mushroom Growers Association, who gave them \$35,000 to start a project designed to find out whether there's a specific strain of trichoderma causing the problem, and how trichoderma is dispersed within a mushroom farm. They've also received grants from the Ontario Ministry of Agriculture and the Ministry of Education and Training.

"We've spent most of our time identifying aggressive trichoderma isolates," Alan reports. "We've collected about 550 samples of green molds from mushroom farms, and found that there are a number of different trichoderma species on mushroom farms. That's not surprising; it's been described before. We're identifying these with classical morphological characteristics: the way they grow, their microscopic appearance, their appearance under standard growth conditions. We're correlating this appearance with DNA characteristics.

"So far, we've found eight major groups and numerous minor groups—in essence, single isolates. Of these groups, one has been correlated with the problems on mushroom farms. The remaining groups can be considered to be relatively innocuous weed molds—at least for now.

"We're testing aggressive-
Continued on page 8.

Mushrooms not only taste good, but are nutritious: about 40 percent of their solid weight is protein, and they're rich in potassium and phosphorus. Mushrooms were Ontario's—and Canada's—second-largest vegetable crop in 1994, worth \$90 million. And if GBM worries grape farmers, "green mold" is a serious threat to Ontario mushroom growers; it's cost them about \$10 million since 1990.

Actually a fungus called *trichoderma*, it grows on mushroom beds and is out-competing mushrooms for the nutrients in the growing medium, a combination of horse manure, chicken manure and straw which has been composted for a couple of weeks, then pasteurized before being used. The trichoderma eventually takes up space that would have been available for mushroom growth, and thus kills the mushroom strains that would have grown there. The vast majority of commercially-grown mushrooms are a strain of the common button mushroom. These days, shiitakes are also pretty common, and some oyster mushrooms.

Alumnews

ALUMNI SCHOLARSHIP RECIPIENTS

Sarah Bancroft, third year, BSc/BEd, Mathematics.

Maria Boldt, second year, Honors BSc, Biology/Psychology.

Melissa Borzchowski, second year, BA/BEd Child Studies.

Nancy Butz, final year, Honors BA, Sociology/Women's Studies.

Sylvia Mudde, third year, BA/BEd, Child Studies.

1973

Sandra (Kelly) O'Connor (BA, geog) has completed her first published book, *The Canadian Geographical Information Systems Source Book*, through her company, O'Connor Consulting, in beautiful Victoria BC. She says hello to all those in the Geography class of '73.

1982

Connie Coniglio (BA, psych) recently completed doctoral studies in counselling psychology at the Ontario Institute for Studies in Education and has moved to Vancouver to work as a psychologist in the University Counselling Service at Simon Fraser University. Connie would like to hear from other students in the Grade 12 Summer Program of 1979; e-mail to coniglio@sfu.ca or contact the Alumni Office, Brock University.

Marjan Glavac (BEd), wife Maria



Dr. John Gleddie (former rowing director of Brock University) and Roger Johnston (longtime friend and supporter of rowing) during dedication of rowing shells, Homecoming '95.

and children Vanessa (6) and Colin (3) live in London, Ontario where Marjan teaches grade six. Marjan recently won the Northern Telecom National Institute Award for Excellence in Education. He is also a Roberta Bondar Technology in Education Award winner. He can be reached at: marjglav@village.ca and at <http://www.lbe.on.ca/bonavent/welcome/htm>.

1983

Pam Guselle (BA, chld; BEd, '84) is awaiting completion of a new townhouse in Pickering, Ontario; it should be ready sometime early in 1996.

1984

Andrea (Lucas) Hastings (BA, poli) has taken a break from her

job as newspaper editor to stay home with her two-year-old twins Luke and Ellie.

1987

Kathryn Gray (BA, admi/poli) has opened her own chartered accounting office in Burlington, Ontario, serving small business and individuals.

Sandra (Court) Maxwell (BA, admi/poli) was recently promoted to Controller, Port Wel-ler Dry Docks in St. Catharines. **Scott Maxwell** (BA, poli/psyc, '88) is in his fourth year of teaching at St. Michael's High School, Niagara Falls.

1988

Suzanne Scott Fraser (BA/BEd) lives in Vancouver with husband Brian. She completed a Master of Education degree and now teaches grade three.

1989

Rinita Mazumdar (MA, phil) has earned her PhD in philosophy from the University of Massachusetts.

1990

Deb (Snider) Lloyd (BA, visa) and husband **Trevor Lloyd** (BA, admi/econ, '88) are living in Southampton, Bermuda where Trevor is a trust officer with the Bank of Butterfield. Deb has had a busy year doing interior decorative paint finishes but looks forward to her new role as a mom. Trevor is putting time into triathlons; he has already planned their daughter Megan's first swim-in-

riage. Chief in November 1994, decided to sign on for an additional year. Her hobbies include karate, swimming, making Japanese mataro dolls, and studying the Japanese language. Michelle says hello to all her friends from BRLS '89-'92, and congratulations to **Lynn Wright** (BRLS, '89) and **John Picard** (RECL, '94) on their mar-



Homecoming '95: Left to right, David Brent, Janet Brent, Pat Beard, Donald Misener, Josephine Meeker and Tom Bremner.

riage.

1993

Lee-Ann Cudmore (BA, soci/psyc) is now living in North York and is working for Ram Computer Supply Inc. as District Sales Manager. She says hello to everyone living in Brant House '88-'89 and '89-'90 and a special hello to **Angie Heinz** (BA, soci, '90). Ang, call her!

1995

Michael Reinhardt (BSc, math) is engaged to be married to **Jennifer Sproat** (BSc, neur), September 7, 1996.

BIRTHS

Shelley (Smith) Bastian (BPhEd, '91) a son, Jordan Matthew Alexander, July 4, 1994.

Rosemary (Flynn) Booth (BEd, '86), a daughter, Erin, November 27, 1993 and a son, Liam, November 25, 1995.

Clint Bowles (BA, geog, '86) and **Susan (Kenny) Bowles** (BA, psych, '85), a son, Gavin Alan, August 26, 1995.

Jennifer (Bohaychuk) McIntosh (BA, Fren, '91) and **Joel McIntosh** (BPhEd, '91), a son, Nicholas, February 19, 1995.

Assunta Calandrino (BEd, '82) a son, Raffael, February 7, 1995.

Laurie (Salter) Calaguero (BSc, math, '90), a daughter, Natalie, December 9, 1994.

Catherine Carr (BSc, math, '87; BBA, '91) and **Steven Parker** (BSc, geol, '86), a son, Cameron, September 14, 1995.

Nazzarena Fiacco (BEd, '88), a son, Daniel, November 17, 1994.

Lesley (Derkach) Haibach (BEd, '92), a daughter, Kayley Anne, June 26, 1995.

Dan Harlan (BA, admi/poli, '88), a son, Brandon Daniel, May 29, 1995.

Deb (Snider) Lloyd (BA, visa, '90) and **Trevor Lloyd** (BA, admi/econ, '88), a daughter, Megan Allie, December 11, 1995.

Sandra (Court) Maxwell (BA, admi/poli, '87) and **Scott Maxwell** (BA, poli/psyc, '88), a daughter, Jessica Lorraine, August 18, 1995.

Snapshot



NAME: Lucy Stephens

BROCK DEGREE:
BAdmin honors '75

PLACE OF
RESIDENCE: in
transit: moving
from Toronto,
no fixed address

POSITION: Director of Finance, Niagara Regional Police Service

WHAT'S GREAT ABOUT PRESENT JOB: Meeting the challenges of the current fiscal constraints; it's also what's not so great. This is an opportunity to apply what I learned in the health-care sector, which has been under fiscal constraints for many years.

CLAIM TO FAME: I haven't had my 15 minutes yet.

FAVORITE MEMORY OF BROCK: Learning to play bridge in the cafeteria. I never learned, but I had a lot of fun.

GREATEST SOURCE OF PRIDE: My son, eight-year-old Chandler.

CHILDHOOD CAREER GOAL: Be a lawyer or an accountant. I was a strange child.

REASON FOR SWITCH: I didn't want to go to school any more, so instead I accepted a position with Price Waterhouse and took courses part-time for two years, articulated and wrote my C. A. exams. In my next career/life, I think I want to be in the promotional/marketing field.

Toni Poirier (BPhEd, '87), a daughter, Alexis, October 1, 1995.

Kathy Ricketts-Moncur (BEd, '91) and **Iain Ricketts-Moncur** (BA, poli, '87; Pubad, poce, '92), a son, Graham John Charles, March 28, 1995.

Marthanne Robson (BA, poli, '79), a son, Angus, June 25, 1995.

Mirella (Polera) Rossi (BEd, '92) a daughter, Gianluca, November 3, 1995.

Anita (Reese) Sinclair (BEd, '90), a daughter, Emily, August 18, 1995.

MARRIAGES

Aimee Cyr (NA, hist, '95) and **Alex Syragakis** (BSc, geog/geol, '94), June 24, 1995.

Marisa Del Col (BEd, '91), and **Terry Leonard**, August 7, 1993.

Heather Di Marco (BA, psych, '91) and **Brian Beauchesne**, May 20, 1995.

Laurie Dyck (BSc, biol/uest, '94) and **Len Janzen**, summer, 1995.

Margo Fenton (BA, poli, '94) and **Curt Purcell** (BA, geog/uest, '94).

Marla Firth (BRLS, '90) and **Brian Donato**, August 26, 1995

Rebecca Forsythe (BEd, '94) and **Peter Webster**, July 29, 1995.

Jennifer Frlan (BBA, '93) and **Tony DiDomenico**, May 27, 1995.

Tanya Iesulauro (BA, admi/psyc, '93) and **John Drake** (BA, admi/econ, '93), August 20, 1994.

Yvonne Reiding (BA, psych, '90) and **Todd May** (BA, soci/admi, '94), September 9, 1995.

Shawn Sabourin (BEd, '84) and **Lydia Yip-Hoi**, November 11, 1995.

Suzanne Scott (BA/BEd, '88) and **Brian Fraser**, August 1995.

Marina Timko (BRLS, '86) and **Fred Wilson** (BA, 2LAN, '92; BEdTSL, '93), June 23, 1995.

Conrad Walpot (BPhEd, '91) and **Karen Deluca**, October 7, 1995.

Christina Wichartz (BBA, '94) and **Christopher Phillips** (BBA, '94), September 30, 1995.

IN MEMORIAM

Patricia Ellen (Friesen) Watt (BEdRT2, '83) passed away August 9, 1995 after a short struggle with cancer.

Paul Kenney (BA, poli/soci), July 20, 1995.

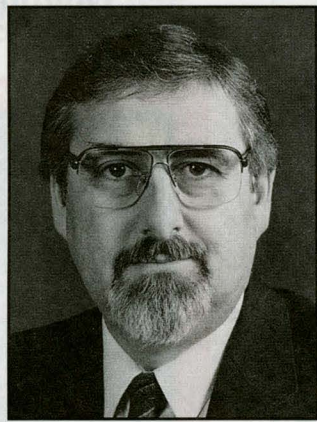
Kathleen (Cranston) Sluyter (BA, Engl, '74), September 28, 1995 after a long illness. Kathy is survived by husband Marty and three daughters.

BROCK CHRISTIAN FELLOWSHIP

wants to hear from former members.

Please contact
Alex Wynands,
59 Highcourt Cr.,
St. Catharines,
Ontario
L2M 3M5,
(905) 938-2562.

Brock Briefs



DIVINO MUCCIANTE

Lewis Soroka Niagara's gateway to Brock expertise

October 26 was the official launch of Brock's new Centre for Social and Economic Research on Niagara. Its purpose is to serve as a gateway to the University for industry and the various social and government agencies around the Region. The first director will be Economics Professor and former Dean of Social Sciences Lewis Soroka. Brock grad Lisa Stanwick, a PhD student at the University of Toronto in Political Economy, is the Centre's research assistant.

A modest fee will be charged for the Centre's services, enough to cover costs. "But we're not looking to make a buck," Prof. Soroka explained. "We're hoping to produce something useful to the local community, because times are tough."

Centre for Canada and Asia Pacific Studies

Management and Marketing Prof. William Liddell has been named the new director of Brock's Centre for Canada and Asia Pacific Studies, and is busy creating a higher profile for the centre. He's been a visiting professor at Jilin University in China, at the University of Belgrade in the former Yugoslavia, at the Indian Institute of Management in Bangalore (IIMB) and at Lahore University of Management Science in Pakistan. In December he presented a research paper at the International Management Conference in Hong Kong. During January and February he was a visiting professor at IIMB.

Immediate plans for the Centre for Canada and Asia Pacific Studies include revamping its advisory board; appointing an associate director; reconsidering the Centre's name and mandate, while maintaining as a central thrust its current concern for such countries as China, Japan, Korea, Malaysia and Thailand; reviewing relationships with Brock's current partner universities in the Pacific.



DIVINO MUCCIANTE

Profs. Charles Burton, Victor Fic, William Liddell

Our Man at the U.N. ... and elsewhere

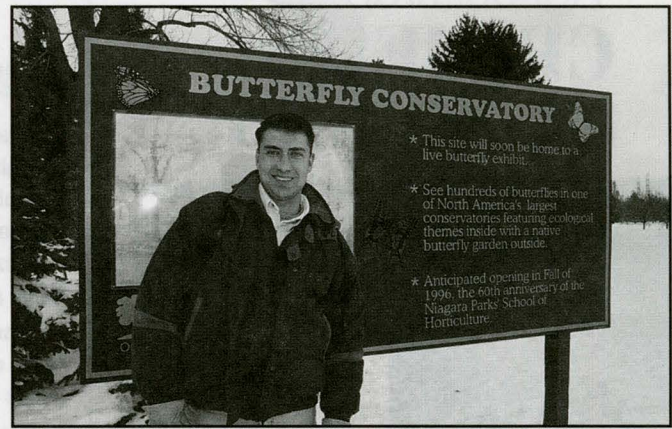
Founding President James Gibson has been very busy over the last few months. Last June, he attended a celebration in Toronto of the 50th anniversary of the quarterly journal of the Canadian Institute of International Affairs; and was an invited guest at the celebrations in San Francisco of the 50th Anniversary of the signing of the United Nations charter. In September, he handed out certificates to 19 new citizens from 16 different countries, in a ceremony in the Citizenship Court in Hamilton. Dr. Gibson was invited to preside in his capacity as a Member of the Order of Canada.

In October, the Canadian Association of Rhodes Scholars ceremonially planted a tree in Brock's Pond Inlet, to recognize Dr. Gibson's contributions to the association, particularly as recently-retired editor of its newsletter. He has also served as president and secretary-treasurer of the association. Accepting the honor, Dr. Gibson observed, "Thirty-two years after I was first here, it's the trees that make an impression on me. They are symbols of growing-ness and liveliness, very much what Brock University is all about."



DIVINO MUCCIANTE

Brock in the butterfly business???



DIVINO MUCCIANTE

Mario Brgan

Brock University and the Niagara Parks Commission have signed an agreement that will permit Biological Sciences graduate students to do their graduate research and teaching requirements at the Niagara Parks School of Horticulture, the research being focused on the Niagara Parks Butterfly Conservatory.

Insect conservatories are becoming more common as tourist destinations, and are also ideal places to carry out entomological research. Inside the Butterfly Conservatory there will be some 40 species along with their host plants, where they feed and lay their eggs. These are mostly imported species (under strict guidelines), because not all butterflies do well in greenhouses. Outside there will be a large planting of native plant species to attract native species of butterflies.

The conservatory will permit graduate students to perform research on butterfly breeding, physiology, taxonomy, and behavior. Two graduate students will be sponsored, one starting this November and one next year. The Entomology Internship Program established by the Niagara Parks Commission provides full funding for the two students and an extra stipend for research expenses. In addition to carrying out their research, the students will teach in the School of Horticulture.

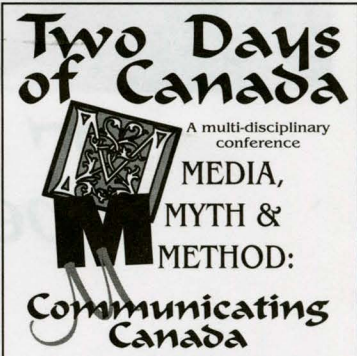
Brock's first participant in the program is Biological Sciences MSC student Mario Brgan, who says one of his research goals will be eventually to breed the butterfly species in the conservatory, so that it will not be so dependent on importing the creatures, whose average life expectancy is only some three months.

Conference: How Canada Communicates

Brock University's Canadian Studies and Communications Studies Programs held the annual interdisciplinary conference Two Days of Canada last November 9-10, on "Media, Myth and Method: Communicating Canada."

In eighteen sessions, scholars from Brock, York, Concordia, Toronto, Windsor, Algoma, Memorial, Simon Fraser and McMaster, London's Grand Theatre, and local newspaper and broadcast reporters discussed aspects of Canadian culture.

A Few Of The Topics Covered Were Canadian Media And The Denial Of Racism; Populism, Myth And Metaphor In The Songs Of Stan Rogers; Niagara's Media Reportage Of The Bernardo/homolka Trials; A Celebration Of Canadian Animated Films; How Managers Use Symbols; Hockey Night In Canada; Representation Of Canadian Society In Contemporary Native Literature; And Nature And Tourism In Niagara Falls, As Viewed By Film-makers.



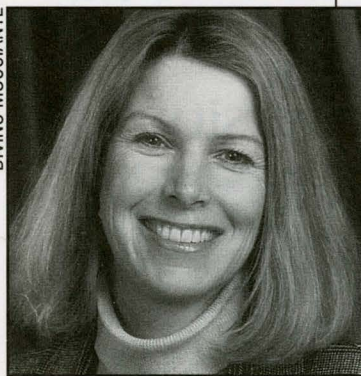
Alumnews

Have you moved, received a promotion or changed careers? Do you have other news you want to share? We like to hear from you. Tell us where you are and what you are doing!

Name: _____
 Surname at Graduation: _____ ID# _____
 New Address: _____
 City: _____ Postal Code: _____ Tel. # (____) _____
 Employer Name: _____
 Position/Title: _____
 Employer Address: _____
 City: _____ Postal Code: _____ Tel. # (____) _____
 Spousal Information:
 Name: _____
 Spouse a Brock Grad? Yes _____ No _____
 If yes, ID# _____ Surname at Graduation: _____
 Employer Name: _____
 Position/Title: _____
 Employer Address: _____
 City: _____ Relationship: _____
 Address: _____
 City: _____ Postal Code: _____ Tel. # (____) _____
 Is the above information confidential? Yes _____ No _____

Clip this form and return along with your news to: Alumni Office, Brock University, St. Catharines, L2S 3A1 OR Fax: (905) 641-5216 or e-mail us at alumni@spartan.ac.brocku.ca

A Message from the Alumni Association



DIVINO MUCCIANTE

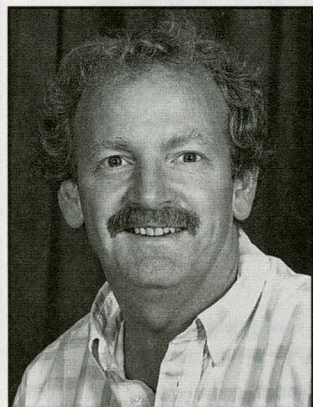
As the new president of the Association, I'm pleased to bring you greetings in this exciting new issue of *Surgite!* The Alumni Board is currently

working on its Strategic Plan to guide Board activities over the next three years. Help us plan alumni events by giving us your feedback on the kinds of initiatives you would like us to undertake on your behalf. As part of our planning process, we will sponsor a conference for alumni association boards in early May. If successful, this will become an annual event for alumni sharing their knowledge and experience. At Homecoming last November, the Class of '70

held a very successful 25th reunion featuring three Brock presidents as honored guests. We would like to make class reunions a regular tradition at Brock. If your graduating class is approaching its fifth, 10th, 15th or 20th anniversary, plan now to make your reunion a resounding success. We need class representatives to volunteer to work with the Alumni Board in organizing future reunions.

Susan Wheler, President
 Brock University Alumni Association

Agricultural CRIME STOPPERS



Alan Castle

ness—the ability to grow on mushroom compost and out-compete commercial mushroom growth—under controlled conditions at the mushroom farm at the Horticultural Research Institute in Vineland. After we identify the problem-causing strain, we'll follow it around a mushroom farm, and try to find out how it's dispersed.

"The expected benefits are 1) that we'll develop a very rapid identification procedure that will tell the mushroom grower he's at risk for severe green mold problems; 2) that we'll identify steps that will prevent the spread of trichoderma within the farm; and 3) that we'll thereby limit the farmer's losses by developing control procedures.

"Currently, whenever a grower has a trichoderma problem, the intervention is very severe: he'll throw everything at it, including the kitchen sink! That usually involves dumping lots of salt on a green spot or steaming the whole room and killing the entire crop to prevent the mold from spreading to other rooms; limiting people's access to the rooms; providing changes of clothing when people moving from room to room—all very expensive procedures, as well as standard practices such as making sure the compost is perfect. We want to be able to say which procedures are relevant and which are not. We suspect that dumping salt on the mushrooms does very little good."

Brock Briefs

continued from page 7.

The "Old Badgers" come home

by Alun Hughes, Associate Professor, Geography

When David Underhill came to Brock as a student in the fall of 1970, he was upset to find that his sport—rugby—was not available. So he did something about it. He petitioned the administration, he put up signs, he pushed, prodded and proselytized; and the rugby club was born. There was no equipment; the players wore old hockey sweaters with a huge BROCK emblazoned across the front. There was little time for organization, but a number of exhibition games were played (and lost!) before the snows fell.

When David Underhill returned to Brock over Homecoming Weekend to help celebrate the rugby club's 25th anniversary, he had no cause for upset; with two men's and two women's teams in place, rugby is an established and thriving sport at the university.

David now lives in England, and he was not the only one to fly across the Atlantic for the occasion. Another was Ulsterman David Wright, captain of the varsity team in the late '70s. They were just two of the more than 120 people who attended the anniversary celebration in Oliver's Twist on the Saturday afternoon. Earlier in the day two games were played, the first between recent alumni and the varsity team, and the other (at a much slower pace) between two teams of "older" alumni.

The weekend's events, which included a reception on the Friday night and an annual general meeting on the Sunday, were organized by the newly-formed Old Badgers Rugby Club. The brainchild of Gary Wagner and Ken White, the Club is intended to serve as a link between rugby alumni and to provide a source of support for the varsity rugby teams and the university. Plans include a newsletter, future reunions, a permanent rugby display on campus and a student bursary.



Lining up for the ceremonial kick-off: Gary Wagner and four members of the 1970 team: Ken White, kicker David Underhill, Paul Stackhouse and Alun Hughes

The Learneds are coming!



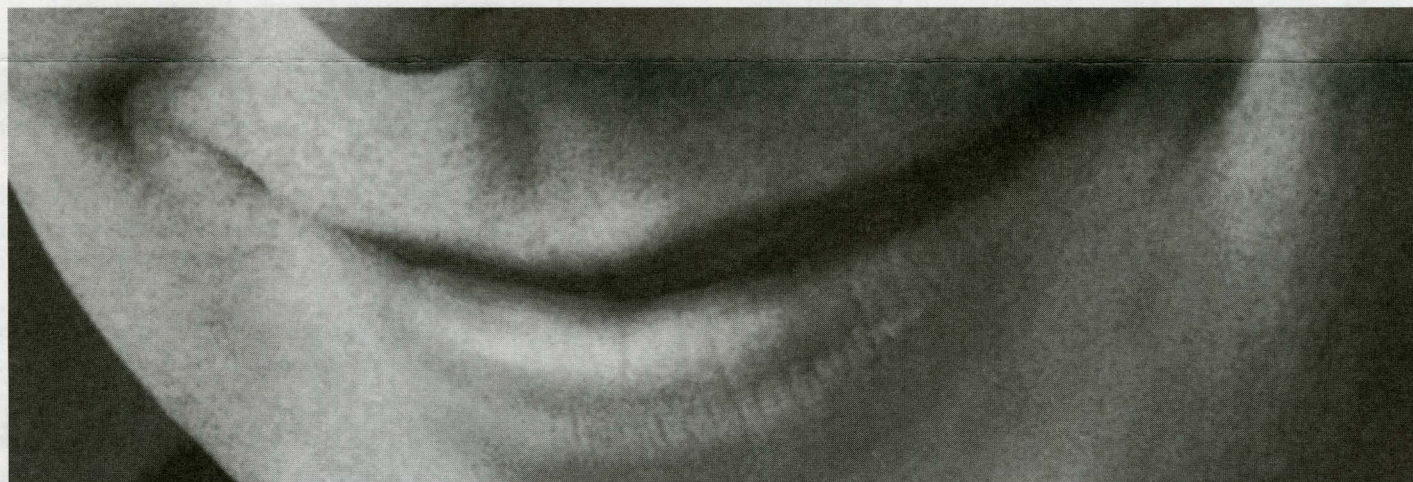
1996 Learned Societies Congress
Congrès des Sociétés Savantes

The 1996 Learned Societies Congress will be held at Brock University from May 23 to June 7. Brock looks forward to hosting its first Learned Societies Congress and to welcoming delegates from across Canada and around the globe to the Niagara Region. The Learned Societies Congress will, in fact, be not only the biggest conference ever held at Brock, but also the largest ever held in the Region.

The Learned Societies Congress is the largest gathering of academics and researchers in the social sciences, humanities, and professional studies in North America. The grouping together of a multitude of scholarly associations in these areas is a unique Canadian phenomenon. It is actually about 100 separate conferences organized under one umbrella and held at one university over a two-week period. Annual conferences of very large associations with as many as 800 registrants are held at the same time as smaller groups with specialized interests that might have 15 to 25 registrants. Most groups meet for three or four days within the two-week period. Thus, while the conference may have 8,000 total registrants, the largest attendance on any one day is seldom more than 3,000. The majority of delegates come from universities, although a growing number of delegates are engaged in research with government, in private industry, or with non-governmental organizations. There is also a growing number of scholars from around the world who have recognized the Learned Societies as an opportunity to participate in meetings of several academic societies in one place at one time.

The 1996 Learned Societies Congress will include numerous special events including a Speakers' Series featuring, among others, Dr. Roberta Bondar and Dr. Fraser Mustard; an Opening Ceremony; a Publishers' Exhibition; an Information Technology Showcase; tours of the Niagara Region and much more. Delegates will also have the opportunity to attend the Shaw Festival.

Brock graduates may register for the Congress for only \$35. (The regular registration fee is \$110.) If you are not a member of a society, you can request a copy of the Congress Registration Guide by phoning the Learned Societies Secretariat at (905) 688-5550, ext. 4456; faxing (905) 688-6070; or e-mailing learneds@spartan.ac.brocku.ca.



The spontaneous reaction of Monnex clients.

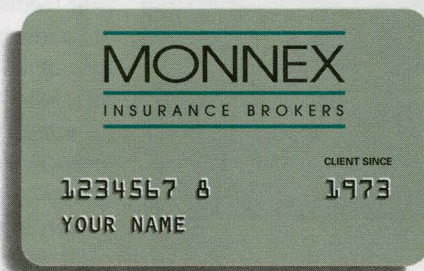
This smile tells the story. For the past two years in monthly surveys, 97% of our clients said they were *satisfied or more than satisfied* with our services. And year after year, 92% renew their policies - a significantly higher rate than the industry norm.

Perhaps it's our own personnel's smiling voices. Or maybe it's our quality products and attentive service. Whatever the reason, we do everything we can to get the same reaction from all our clients.

No wonder Brock University recommends Monnex. After all, your quality group program includes many value-

The home and automobile insurance program endorsed by:

**Brock
University**



Facing the future with confidence.

Monnex across Canada: 1-800-268-8955 or Meloche in Québec: 1-800-361-3821.

The home and automobile insurance program endorsed by the Brock University Alumni Association is provided by Monnex Insurance Brokers Limited and Brock University is not responsible for any claims that may be made in connection with the benefits of this plan. The Monnex Insurance Program is only available in Canada with the exception of Prince Edward Island.

For your home and automobile insurance needs, and for emergency medical insurance whenever you leave the province, take advantage of the services that have passed the test of time and earned the recognition of your peers.

Call us for answers to all your questions. We'll help you face the future with confidence - and a smile!