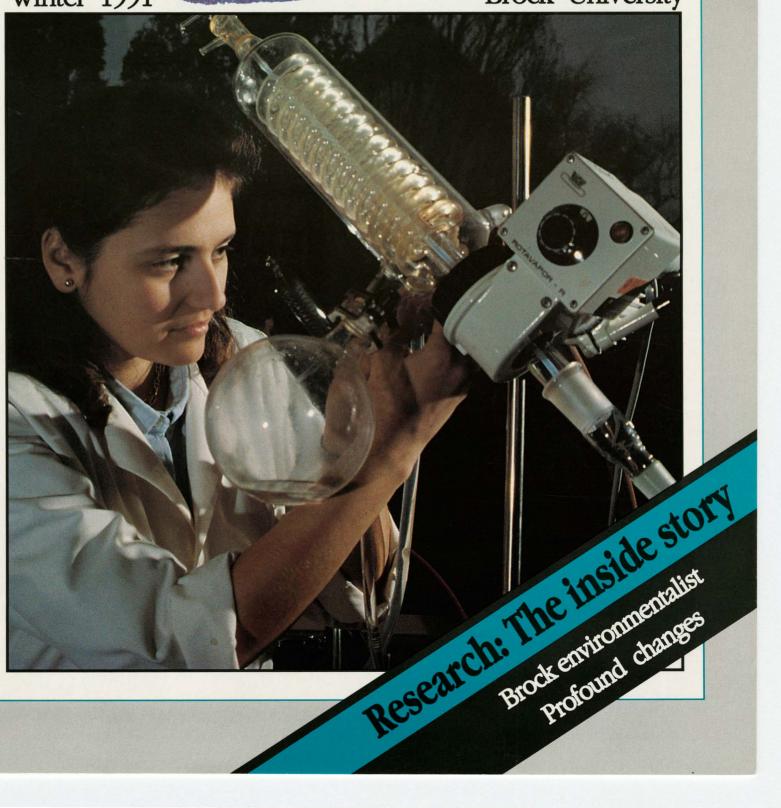
Brock University Winter 1991



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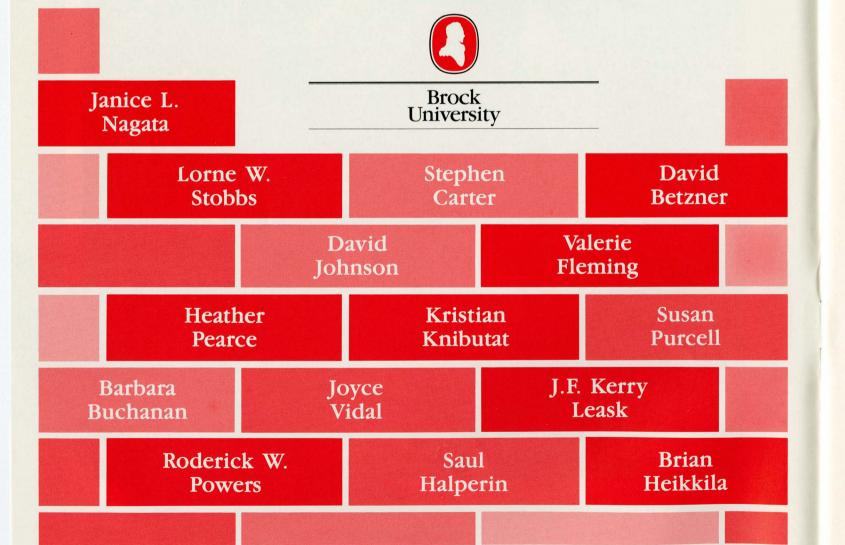
250

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Gurgite!



Winter 1991

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BROCK UNIVERSITY

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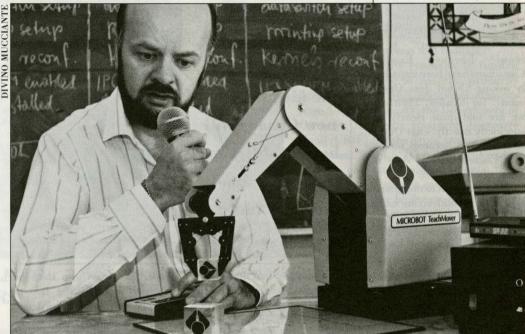
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Surgite! /sur-gi-tay/ Latin for "Push on!"

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Brock University offers full-time and part-time studies in the humanities, sciences, social sciences, business, education and physical education.



If we could talk to the computers (P.3)

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For Canada, a decade of profound change

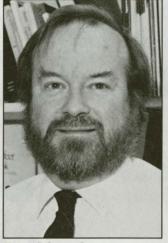
ast month, Maclean's magazine carried the ironic headline "What Does Canada Want?" It was ironic because English-Canadians have been impatiently asking "What does Quebec want?" for decades. Then when we are told quite clearly and succinctly exactly what Ouebec does want, it becomes obvious that English Canada does not know what it wants.

It is important to understand that the true underlying nature of Canada's problem is structural and not simply the crisis in leadership which it is now popular to decry. While it is true that we are not now blessed with an excellent crop of leaders, if the present group of leaders all suddenly disappeared, they would be replaced by another group who would see the world in generally the same

The structural problem arises from the fact that Canada now consists of a badly divided collection of English Canadas and a relatively united Quebec. (There are more tensions within Ouebec society than many English Canadians realize, but the rejection of the Meech Lake Accord has, at least temporarily, united French-speaking Ouebecers.)

Ouebec favours a decentralized Canada, because it feels that this will give it enough power to preserve its language and culture. The Atlantic and some western provinces want a strong federal government, because they need the redistribution of wealth which only a strong federal government can provide. The wealthier western provinces provide little support for the federal government be-

We must accept the idea that the new Canada will be very different from the Canada we have known.



David Siegel

cause they feel that they receive no benefits from such a remote government and would be just as well off on their own. Ontario favours a strong federal government because the federal Meech and what do we do next? government generally acts in the interest of Ontario, and because the provinces on the receiving end of the redistribution are valuable customers of Ontario's manufacturing industries.

The really frightening aspect of the current impasse is that nobody seems to really care very deeply about breaking the impasse. Certainly, Frenchspeaking Quebecers are not angry about the rejection of Meech. Separatists are pleased because it confirmed what they had always argued-English Canada is not flexible enough to give French-speaking Quebecers even their minimum demands. In the current situation, even strong federalists are silenced by that argument. It seems unclear whether English Canadians really understood

some, the vague idea that the Accord was "giving in" to Ouebec wasn't enough to determine their feelings about it.

What did we learn from The outstanding lesson is that the process of creating the Accord was horribly flawed. Locking 11 people in a room until they arrive at some decision might be a good way of breaking a deadlock in labour negotiations; it is not a good way to make fundamental changes in a society's basic governing structure. In that isolated milieu, it is too easy to overlook the concerns of a particular group, such as native peoples, or to assess incorrectly the depth of a group's reactions to some part of the deal.

The creation of the Citizens Forum with Keith Spicer (his Ottawa nickname is "Captain Canada") as its chair was inspired. It will give everyone some breathing space. It will ensure that all the important iswhat Meech was about. For sues are put on the table and

that the strengths of people's feeling about them will be made clear. Spicer is a very creative and innovative thinker. He has a great deal of credibility with "the establishment," but is just enough of a renegade that no one would ever accuse him of being captured by "the establishment." If anyone can pull off this difficult task, it is Spicer.

However, it is a very difficult task. In addition to the structural problems mentioned above, groups such as native people, women, and people on both sides of the abortion issue feel that their concerns must be recognized in any revised con-

We must accept the idea that the new Canada will be very different from the Canada we have known. Native peoples and many other groups want changes in the electoral system. Uniform national programs in such areas as social services and medical care might give way to more regionally-based programs. Ouebecers are seriously discussing greater autonomy with some form of economic union. Several western provinces will have little difficulty accepting this idea. Periodically, the maritime provinces revive the old chestnut of unification. The next 10 years will see some of the most profound changes in Canada's history. We need to keep ourselves informed about the nature of those changes so that we do not allow Canada's fate to be determined by a few people in closed session. The future of Canada is too important to be left to politicians.

David Siegel chairs Brock's Department of Politics.

Brock investigators describe their work



IF YOU COULD TALK TO THE COMPUTERS

omputer Science Professor Jim Bradford is trying to help computers understand spoken English. "A lot of systems are starting to be able to do that," he explains, "but they don't do it very well. In noisy environments they don't always understand what is said. We call it the 'cocktail party problem': human beings generally have the ability to concentrate on a single line of conversation even though many conversations are going on around them; computers can't—we're not sure why."

Bradford explains, "that could give the computer some capacity to do this. An algorithm is a clear set of detailed instructions a computer can use to perform a task."

Potential applications include control of machinery in noisy environments like factories and the cockpits of airplanes. The idea is to produce a system where you'll be able to speak to your computer in ordinary English. Back in the 60's, the producers of the movie 2001 Space Odyssey hired a computer scientist to predict what technology would be like at the turn of the century; he predicted exactly what we're arriving at now.

Before coming to Brock, Dr. Bradford spent five years at Bell Northern Research in Ottawa. He says he likes the academic environment much better. "In industry you work to a predetermined plan, so there's much less flexibility to follow new ideas as you get them. On the other hand, industry has more resources." Brock is his first teaching job since finishing his PhD. About half the courses he teaches are relevant to his research interests-artificial intelligence, robotics, design of user interfaces. and human factors (through the Psychology Department). With graduate student David Leip, he's developing a prototype for con-

Dr. Bradford started out in graduate "I'm studying new algorithms," Dr. school working on intelligent human interfaces—information typed into a keyboard. At Bell Northern he spent most of his time developing user interfaces to large software products. "Communicating with computers is much more difficult than communicating with humans," he reports, "where there's intelligence on both sides. Computers listening to voices have very little tolerance for things like ambiguity, grammar or pronunciation mistakes or inflection. Your voice changes throughout the day, too; as it becomes more tired it tends to become gravelly, which is an entirely new

trol of a robotic arm through speech.

Jim Bradford: a solution for the 'cocktail party problem'.

electrical phenomenon to a computer."

Dr. Bradford's research is funded through a variety of sources, primarily NSERC money, with additional amounts from UNISYS Canada, the Government of Ontario University Research Incentive Fund (URIF) and the Brock University Advancement Fund. "It's a job just keeping all those accounts straight," he says, "justifying expenses to each one."

Asked whether he dreamed as a child of doing this kind of work, he replies, "Well, I did fantasize about being in the movie where the monstrous creature crawls over the horizon. I was the professor to whom everyone turns to ask, 'What do you make of that ?!! "

OF RHYTHM AND **MOTOR CONTROL**

s a Physical Education Professor, Paulette Coté-Laurence specializes in motor control; her research is closely related to the work of some of her Psychology colleagues.

Last year she received a \$3,000 grant from NSERC for beginning researchers. which allowed her to buy a computer and pay someone to create a program for her research into children's ability to perceive, produce and imitate rhythmic patterns. "Although many dance programs include rhythm training," she explains, "the connection to actual movements is not always clear. And dance is rhythm-applied to major muscle groups or to the whole body as opposed to simple motor responses like clapping hands or tapping feet. I believe that musical training applied directly to dance may help dancers learn sequences of movements more quickly. So we need to find out why some rhythms are more difficult for dancers than others, and what we can do about it."

"In order to teach," says Dr. Coté-Laurence, "you must have a

Cover (cont.)



Paulette Coté-Lawrence: a child's ability to perceive and imitate.

theoretical framework. For years I was puzzled: why is it that when I clap a rhythm, students hear a division in the beat other than the one I intended? What makes the perceptual mechanism group certain patterns? A lot of studies have been done on how people learn melody, but not rhythm.

How do people encode rhythmic information? What are the steps in doing this? If I know how beginners learn organize rhythmic information, perhaps I can help them by training them to identify various patterns."

Her current study involves children ages six to 13, who were asked to sit at the computer and repeat a rhythm they heard generated by the microcomputer, by tapping a key at the keyboard. The computer recorded how close the subjects came to the original rhythm, and compared the deviations.

"Some children simply cannot repeat rhythms," Dr. Coté-Laurence reports, "or sometimes they can repeat the rhythm but can't reproduce it on paper using simple symbols like long and short lines. Other children do very well." "At first I resisted using the computer," she admits, "because it wasn't close to the real situation—dance. But I learned I had to reduce the study to a very basic level at first—just rhythm, with a simple key-pressing task."

Dr. Coté-Laurence had originally applied for a project grant from NSERC, but was turned down "because they felt I didn't have enough of a publications track record." But she adds, "I received good comments from the reviewers at NSERC." She hopes her publications from this project will result in continued funding. Eventually she wants to involve the total body in her research, to design a motor task closer to dance, to examine cultural differences in rhythmic cognition and learning, and to answer questions like, "Does adding pitch help people to process rhythm? Are Physical Education students better than Mathematics students at rhythmic training? Are voice majors as good as instrumentalists?"

ABSORBED IN HIS WORK

Bob Nadon is studying an aspect of personality called "absorption." What is "absorption"? The answer is complex.

"In the 70's," says Dr. Nadon, "psychologists talked about absorption in terms of attention, like being totally involved in a movie vou're watching. Now we know it's much more complicated than that. Yes, high absorption subjects can do that; but they are also capable of 'expanded attention,' drifting off into a fantasy that takes off on its own. For example, they tend to be the people who have paranormal experiences, like seeing ghosts. They can also have unusual subjective experiences in hypnosis."

"Back in the 60's," Dr. Nadon explains, "people knew that the ability to be hypnotized was a pretty constant thing, as stable or more so than IQ. But they couldn't tie this ability to any one personality trait, until absorption came along.

"Research has shown that a person's capacity for absorption interacts with how they respond to hypnosis. For example, researchers at Concordia showed a group of



Bob Nadon (right) takes a small piece of a complicated pie

subjects a film of a bank robbery, then asked each of them to recall the events of the film in six separate trials. Typically up to a certain point people would keep adding new details, and they would also be adding errors as they went along. High-absorption subjects tended to remember both more correct and more incorrect details than other sub-

jects. We think it's because high-absorption people have more difficulties separating memories of real events from memories of fantasies.

"At recall number five the researchers introduced hypnosis, which increased for everyone both correctly remembered details and errors. The difference was even bigger, however, for high-absorption subjects. We think it's because hypnosis in some respects is an invitation to engage in fantasy."

In a study last year at Brock, Dr. Nadon and his student Christopher Dywan, with Iain Simons and Prof. Robert Ogilvie, studied subjects who had already been tested for their absorption capacity (although they didn't know how they had scored). The tension in each

subject's frontalis muscle (at the temples) was recorded, as he or she listened to two brief unrelated passages of music. One group was asked to get involved imaginatively with the sounds; the other group of subjects was asked simply to relax more than they had in a base-line reading taken before the session.

"In the first group," reports Dr. Nadon, "those who got involved imaginatively—the high-absorption people—were more relaxed. In the second group, the low absorption people relaxed more because that was their task. In that group the high absorption people were more tense. So you see, high and low absorption people can relax equally well, providing conditions are optimal for them; high absorption people benefit from imaginative strategies whereas

low absorption people benefit from more focused, task-oriented instructions."

The information gained from such research shows how personality traits interact with cognition and situations. "We're trying to take small pieces of a complicated pie," explains Dr. Nadon. "But the pieces themselves are more complex than researchers once thought they were."

"I can't imagine a more interesting and pleasant life than doing research," he says

with a wide grin. "Most of the time I just can't get to work fast enough." Asked about the teaching component of his job, he says the temptation is to become too specialized, since the system rewards specialization. "But students keep me honest," he adds, "by demanding broader knowledge. Sometimes they ask me particularly insightful questions I haven't thought of, and that excites me to further research, which in turn stimulates my teaching."

FIGHTING LEARNED HELPLESSNESS

We really know quite a lot about learning and teaching strategies that have been verified in a laboratory situation," says Education Professor Adele Thomas. "The next step is how to interpret them for the field—in my case, the classroom."

"I have a long-standing interest in special education," she explains, "teaching children with learning disabilities (LD). A frequent concern of teachers and parents of LD children is learned helplessness, where students have given up on themselves. All the best teaching strategies in the world don't help if the youngster doesn't believe he can learn."

While reading difficulties account for as much as 80 percent of learning problems in school age children, reports Dr. Thomas, recent knowledge about the reading process has increased our understanding of effective instruction. She has two research projects: reading intervention strategies for learning-disabled adolescents, and family literacy.

The family literacy program is directed at parents. "If reading isn't pleasant to parents, who had reading problems themselves as children, they are insecure about helping their children to read," she explains. "In this study we are targeting economically disavantaged, low-skill readers in the community. Working with the Niagara South Board of Education, we've tentatively set up two sites associated with early childhood education and day-care programs, where we can create a friendly meeting place for parents to share and develop skills for story-telling, the use of picture books and writing activities they can use at home."

Dr. Thomas has a grant from the Ministry of Skills Development to train Brock University Child Studies students as family assistants. Once the family learning centres

get under way and centre parents begin to take ownership of the program, the university students will be able to provide specialized help to parents who need assistance

A frequent concern of teachers and parents of LD children is learned helplessness, where students have given up on themselves. All the best teaching strategies in the world don't help if the youngster doesn't believe he can learn.



Adele Thomas: interpreting the research lab for the classroom.

with their children's school work, and with new ways of bringing the pleasure of reading and writing into their home. She also has a SSHRC grant for a high-school tutoring program at Kernahan Park School in St. Catharines, targeting low-achieving readers—both the grade 11 tutors and the grade nine tutees. Working in pairs at the computer, the students will use a variety of techniques for repeated reading, reading comprehension and writing activities.

In repeated reading at the computer, the same passage is read two or three times to a criterion of about 100 words per minute in order to increase reading fluency as well as comprehension "The tutor reads the passage out loud first," Dr. Thomas explains. "They discuss what the tutee has heard in order to develop comprehension of the reading. If the tutee has not reached the criterion speed on her reading turn, she repeats the reading, aiming for the target. After the repeated reading, tutor-tutee paris will do some writing using word processing, with the tutor acting as coach. In having to coach someone else, we expect that tutors themselves will become more aware of reading and writing strategies.

"Many of these activities are missed by low achievers because they were turned off reading in the early primary grades. By the time they reach the upper elementary grades they are reading as little as possible. Other learning problems are in turn compounded by their avoidance of reading. We want to raise the comfort level for students, so they don't seek to avoid challenging reading activities.

"A lot of these things have been tried in the lab, and demonstrated their effectiveness, but how are they effectively implemented in a school environment? We want to see the reactions of students and teachers. How do teachers understand them, adapt them to individual situations?

"We're trying to reconnect kids to reading," Dr. Thomas concludes. "School is often the last chance they get."

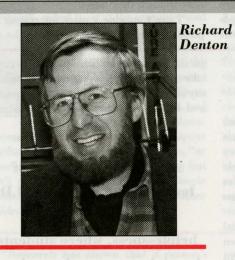
Brock left its mark on Dr. Denton

r. Richard Denton is wearing crisp blue jeans and a loose-fitting white sweatshirt with the words "Love it!" splashed across the front in bold, blue script. A picture of planet Earth, green and bright and full of promise, accompanies the message and floats on the white background as if suspended in space. Beside it hang other words, scripted in blue: Respect it...Protect it...Recycle it...Enjoy it...There's only one.

The doctor is sitting on the balcony of his mother's apartment in south St. Catharines, soaking up the last rays of an Indian summer afternoon. He places his hands squarely on his knees. Sunlight glints from his wire-framed spectacles.

"I grew up in the generation of speaking out," he says. "Back in the '60s, there was the hippie movement, the San Francisco thing, the time of protesting. It was also the beginning of the Vietnam war. Make love, not war. Make love while you last or you could end up in the blast. I grew up with that as a background."

Now a successful physician, family man and environmental activist, Denton traces his development back to that time of protest, of speaking out, of searching for ways to make a better world. While many others of the '60s generation replaced idealism with executive positions and BMWs, Denton nurtured the spirit he forged as a young Brock University student in turbulent times.



One semester, he took a philosophy of science class taught by philosophy professor Dr. John Mayer, who became a major influence on the young student.

Denton's entry into university life was unconventional. In 1968, Brock started an experimental "Grade 12 Program," in which promising high school students were selected to attend a six-week, pre-university summer immersion course, after which they could choose to bypass Grade 13 and enrol fulltime at Brock.

Denton was accepted into the first class of the experimental program, passing easily from the environs of Sir Winston Churchill Secondary School to the city's campus on the hill. Denton had a strong math and

background—his dream since age 10 was to be a doctor-and was attracted to Brock's highly respect math department and to the personal attention a smaller university could afford to give.

But Denton's studies extended beyond math and science. He wanted a more rounded, balanced background as his passport to medical school and included general arts courses, such as psychology and philosophy, in his studies. One semester, he took a philosophy of science class taught by philosophy professor Dr. John

Mayer, who became a major influence on the young student.

What Denton discovered was not just a course that combined a humanistic approach with a scientific one, but a teacher who introduced him to a different way of thinking. Mayer's way of looking at life became part of Denton's personal philosophy.

Mayer urged his students to speak out, and not just when a political issue moved them. Mayer was just as adamant about speaking out on issues that moved people from a scientific point of view. (David Suzuki is proof on that idea's popularity today.)

"One time he asked me whether I had ever written a letter to the editor, and I said no," Denton said. "Dr. Mayer told me if I had something to say, that's one way of saying it. He always believed that people do make a difference."

Denton wrote letters and thought about the change individuals could bring about. He marched in rallies to free the beaches along Fort Erie's Crystal Beach shoreline, reclaiming public beaches for people. He knocked on doors for the New Democratic Party, at a time when socialist political power was a pipe-dream in conservative Ontario. But it was that early involvement in issues affecting people that became a foundation for his later involvement in scientific and environmental causes.

"John's encouragement led to my speaking out and taking

an active role in politics," said Denton. "I attribute his guidance to my getting involved."

Denton graduated from Brock in 1971 and, armed with a Bachelor of Science degree, followed his own dream to medical school at McMaster University in Hamilton. "Mac" fostered an innovative approach to education and accepted arts students in the medical program. In Denton's class were two ministers, a French major and a drama

"Mac also had no exams in those days," said Denton. "The whole way of learning was different. Instead of the traditional lecture and tests, where you simply recite everything back on exams, Mac had a curriculum based on problem-solving and individual learning. And I think now this is the developing trend in learning, something we were doing two decades ago."

This spawned Denton's concept of learning and education as a life-long activity. In the ever-changing medical field, reeducation is essential in keeping up to date. As recently as October, Denton returned to Mc-Master for a month-long specialized course on geriatrics, a rapidly emerging health care discipline.

Over the years, Denton has combined his love of learning with his love of travel and desire to help people. A member of Canadian Physicians Against Nuclear War, Denton went to Russia on a fact-finding excursion and ended up learning more about people and about himself. As a volunteer worker in Jamaica, his discoveries about other cultures led to new discoveries about himself.

And in becoming involved in issues (like nuclear waste disposal and nuclear war). Denton believes in education as the only way to become knowledgeable enough to speak out. By reading the experts and becoming well-versed in a subject, one can reach a certain degree of authority. Education first; speaking out second. And this concept of learning, whether it is applied to personal growth, you go," Denton said. "The iscareer development or interest in a community issue, had its roots in Denton's university life.

"Brock [left its mark] because it was innovative, and 1975. He met his future wife Biz, a Guelph native who was also interning in the health field; she is a public health nutritionist. The two were married in '76 and after Denton finished his residency in '77, the young couple packed their bags and spent the next 12 months travelling around the world.

"I learned that people are pretty much the same wherever sues are different but people's goals, hopes, fears and aspirations are the same. The grass is not always greener on the other side of the fence. In Canada

moving to Africa," but by going to an underserviced area of Canada where his, and his wife's, skills were really needed.

Richard and Biz bought a farm in Kirkland Lake. There they would raise four children, grow their own food, tend their own animals. Denton, who was born in Sudbury, was once again a Northerner and determined to be a self-sufficient "back-to-the-lander."

"One could feel, going to the North to an under populated area, that you're getting away from problems, whether that means the materialism of society where people indulge themselves as couch potatoes, or whether that involves the Northern stereotype of the bush-hunting, fishing and outdoor recreation-where you're not faced with the same problems of southern Ontario, like the erosion of farmland by development," Denton said.

"That may be the picture of the North. But in reality, it's the exact opposite. With modern technology, like satellite dishes, you can be just as much of a couch potato. And the environmental issues keep coming to the fore even there."

Kirkland Lake is a community tied to the mining and forestry industries. And because of the exploitive nature of those activities—take the wealth from the land, don't put anything back, and move on-Kirkland Lake's existence and growth has lately been at odds with growing environmental concerns; co-existence with surrounding farmland has also been a concern.

Ten years ago, the area was pinpointed as a possible storage area for high-level nuclear waste. What better use for abandoned mines? But Denton

Although Canadians are more committed than ever to creating and maintaining a certain "quality of life", the report continued, "there will not be a return to the idealism of the 1960s.

John Mayer taught me that people do make a difference and can speak out on a subject," he said. "And Mac [was influential] because its self-directed approach to problem-solving led to an interest in seeking out new answers. For example, when you're faced with something new, find out all you can until you have acquired the authority to speak out."

After graduating from Mc-Master in 1974, Denton did his internship in Vancouver in

preciation and understanding of what Canada could lose through neglect, greed and overconsumption. He decided to try and make a difference, not by "pulling a Schweitzer and

we're so fortunate compared to

other countries, and you really

find that out travelling. I came

back with a greater apprecia-

tion of what this country offers,

in terms of resources, political

and social institutions, freedom,

It also fueled Denton's ap-

that sort of thing."

BY KATHRYN WAKULICH

Dr. Denton (cont.)

was among a group of citizens who said no, and they organized enough opposition to squelch the idea. This year, Kirkland Lake was again targeted for a nuclear disposal site, and the community activists mobilized and again said no.

Although Denton has been involved in many committees (an executive member of the national Unitarian church group, president of the local Rotary and a member of Physicians for the Prevention of Nuclear War, for example), he believes strongly in the average individual who makes an organization tick.

"One doesn't have to be a multi-millionaire, or even the president of an organization, to have influence," Denton said. "Look how quickly things are changing in society. Ten years ago, nobody gave a thought to non smokers' rights. Now it's the norm. Ten years ago, drinking and driving wasn't an issue. Now you don't drink and drive. People's attitudes are changing, and I think people's attitudes can change through committed individuals promoting their ideas."

A 1990 Environics Research Group report described today's Canadians as "expressing a new kind of social consciousness and a greater sense that the individual can make a difference." Although Canadians are more committed than ever to creating and maintaining a certain "quality of life," the report continued, "there will not be a return to the idealism of the 1960s. The expression of social consciousness in the 1990s will be primarily local and egocentric, rather than global and altruistic."

The pollster's report went on to say that while the antiauthoritarianism of the '60s is less aggressive, it still exists, and the activists of the '90s "will be busy, middle-aged people expressing their concern in less time-consuming, more sophisticated and individualistic ways."

The latest issue mobilizing concerned citizens in Kirkland Lake is Toronto garbage. Town fathers have been considering a deal in which two abandoned iron-ore pits could become landfill sites for Metro Toronto garbage. Metro's own landfills are filling up quickly and Toronto has been looking beyond its borders for solutions.

examples of unanticipated environmental problems.

REEPA is in for a fight. With Kirkland Lake in an economic recession—hundreds of jobs have been lost lately because of mine closures—town council is captivated by the economic benefits of storing Metro's garbage.

"We want the economics of the area to prosper, but in a responsible, environmental framework," said Denton. "We'll look at the issues and judge them on their own merits, decide whether they will benefit

People are
re-educating themselves for jobs
they're happy with
rather than for jobs that
simply provide money.
I think it's a trend—coming
back to
our social roots..."

This summer, Denton helped form REEPA (Responsible Environmental and Economic Prosperity Association) to fight the proposal. Despite claims of strict government regulation and control of the landfill, Denton is wary of such promises. He worries about the long-term effects of environmental contamination, and cites St. Catharines' leachate problem below the Niagara Escarpment and the Hagersville tire fire as

the community within responsible, environmental guidelines."

Denton anticipates, even expects, better responses from the newly-elected NDP government, a party whose pro-environment stand reflects one of the strongest concerns of the '90s. The doctor, who still makes housecalls, is optimistic about what the future holds.

"I went to a Brock reunion and I noticed something interesting," Denton said. "I think people in their 40s have become more cynical—people of the 'me' generation discovered that the '80s kind of materialism doesn't provide the happiness they though it would.

"People are re-educating themselves for jobs they're happy with rather than for jobs that simply provide money. I think it's a trend—coming back to our social roots. First there was the era of student protest. Then we had the 'me' era of materialism, where we achieved a lot. But it hasn't provided us with answers to happiness. So we're rethinking our way of doing things to help society, to give meaning to our lives and make us happy."

"That's what people are looking for: family, friends, interaction with other people and helping other people. Altruism, charity, volunteerism and being involved in your community. In the '90s, for example, we're looking at the environment and looking to protect it."

The lesson has not been lost, even on a younger generation that grew up without protest, without struggle, without the benefits of social consciousness.

While driving down Highway 8 one afternoon after taking the family to visit their grandmother in St. Catharines, Denton was taken aback when one of his sons suddenly gave a 15-minute dissertation on expanding development.

"People ought to be living up North where there's nothing but rock anyway, and save the farmland," said 10-year-old Gordon, summing up.

"Well, we've never sat down and said, 'hey, we've got to save the environment," Denton related, chuckling. "This just came out of the blue. And I feel good about that."

Alumnews

1969

Joanne Gambarotto Williams (BA, Engl) writes she is happily divorced and living in North York with two young teenagers. She would love to hear from Andy Gifford and Dennis Posno.

1971

Dan Biggar (BA, geog) recently earned his MDiv degree from Ontario Theological Seminary. Dan and wife Joan (Gale) Biggar (BA, psyc, '72) live in Pembroke where Dan is a minister in the Calvary Baptist Church.

1972

Lis (Kiss) Henry (BA, psyc) teaches for the Peel Board of Ed and lives in Shelburne with husband Stephen and daughters Anne-Marie (born in 1975) and Cassandra (born in 1980).

Hans-Georg (Jack) Knall (BA, Fren/Germ; DiplEd '74) completed his graduate diploma in elementary education (second languages) at the U of Alberta in Edmonton where he lives with wife Deborah and two daughters, ages 6 and 9.

1973

Neil S. Bell (BA, poli) is pleased to announce that he has been appointed executive officer of HMCS STAR, Hamilton's naval reserve unit, as of Sept. 1/90. His 22 years of service started in 1968 when he first went to Brock.

Doug Martindale (BA, clas) was elected to the Manitoba Legislature for the Winnipeg constituency of Burrows in the last provincial election.

1974

Michael R. Smith (BA, soci/psyc) was transferred to Auburn Hills, Michigan, to head up the launch of friction brake products for ITT Automotive.

1976

Brock Criger (BA, geog/uest) and wife Jan are pleased to announce the birth of Samuel Joseph, on March 31, 1990, a brother for Benjamin.

Susan (Holdsworth) Brown (BPhEd) joined the Calgary Police Service in 1981 and now works as an investigator in the Serious Habitual Offender Program (SHOP) for juveniles. She and husband Doug have a daughter, Janna (7).

Jillian (Brown) Hart (BA, dram) started playing 'Momma Potato' in Potato People, a production of Theatre Beyond Words, Niagara Falls, and will be touring with the group for the next year.

1977

Dawn M. Baker (BEd) has retired from teaching for a few years to raise two daughters, Bailey and Brogan. She married Joe Baker in March/83. The family lives in Whitecourt, Alberta.

Mary E. Graham (BPhEd) worked for numerous years in health clubs as aerobics instructor. She now has a challenging position as an exercise therapist for the Canadian Back Inst. in Niagara Falls.

Jim McCloy (BA, soci) just moved to St. Catharines from Toronto in Sept. /90 with wife Jackie and sons David (9) and Jordin (5).

Reiner Perski (BEd) wishes to announce the birth of his first child, Monica Juliet, on Nov. 20/89.

Irene (Stevens) Taylor (BA, hist) is the proud grandmother of Tristan, her first grandchild.

Ed Wiley (BSc, geol) has been a protestant chaplain for the Armed Forces with postings in Winnipeg, Cyprus, and Goose Bay, Labrador. He is now stationed in Petawawa with the Canadian Airborne Regiment. He and his wife Susan are expecting their second child to go along with their 15 year-old son (and baby-sitter!).

19

Caroline Babb (BA, dram) married Robert Bosworth, May 19/90. The couple lives in Scarborough. Caroline is a desk top publisher for Burns Fry Ltd.

1978

Dorothy Gagola (BA, hist/musi) wishes to announce her marriage to David Roepke on May 26/90. The couple spent their honeymoon travelling through Germany at the time when the country was abuzz with reunification plans; a very exciting time to be there.

Lois E. (Leach) Macklin (BA, educ/soci) was retired in 1989 and married Harvey Macklin, Aug. 31/90 in Stratford. Congratulations!

Marlene (Cunningham) Morrow (BPhEd; BEd '79) graduated with an MEd in guidance and counselling from the U of Western Ontario, June 15/90. She gave birth to a second son, Brenden Martin James, on June 5/90.

Allan Phillips (BSc, geol) and Denise (Legros) Phillips (BA, econ '77) live in Calgary with three sons, Paul (7), Mark (5) and John (2).

Jeff Sullivan (BA, admi/econ) and wife Josie announce the birth of their second child, Angela, on Feb. 10/90. The family resides in West Hill.

Christina Wilson (BA, hist/poli) is currently the president of the Ontario Public Library Assoc., an organization that represents the views of the 1,050 members working in public libraries across Ontario.

1979

Cynthia G. (Myers) Kean (BPhEd) graduated from Buffalo State College with an MEd degree in special education, May/90. She has secured a teaching job at Wyndham Lawn in Lockport, NY, a residence for emotionally-disturbed adolescents.

Alan Mutch (BPhEd) left Sheridan College to start a new position as development

Alumnews (cont.)

officer at Niagara College, Sept. 3/90.

Jim Smagata (BA, dram) and wife Judy would like to hear from friends from years past. They live with their two sons, William Nolan Fraser (born June 13/90) and Walter, in Nepean, Ontario.

1980

Robert (Bob) Ensor (BA, admi/poli) is vice-president with Johnson & Higgins Willis Faber Ltd in Toronto.

Carolyn Kelly-Molnar (BA, Fren) and husband Tony announce the birth of their second child, Michael Jeffrey, on June 18/90.

Barbara Lynn McNeil (BA, geog; BEd '89) teaches for the Niagara South Board of Ed, at Caroline M. Thompson School in Port Colborne, Ontario.

Bob Scott (BA, dram) recently received his MA in counselling/psychology from Alfred Adler Inst. of Chicago and is currently working as a psychotherapist at the Psychotherapy Inst. of Toronto.

1981

Joanne (Branson) Carver (BEd) and husband Hugh Carver announce the birth of Julie Madeline, born on Mar. 18/90.

Chris Fisher (BAdmin) and Anne (Porterfield) Fisher (BA, psyc; BEd '82) are looking forward to the birth of their second baby in January and invite all of their friends to visit them at their new house in Fonthill. Nancy (DeRose) Wilkinson (BA, psyc) received her PhD from the U of Windsor in 1989 in clinical psychology and now works as a psychologist at the Oshawa General Hospital.

1982

Marilyn M. Sullivan (MEd) has been appointed superintendent - curriculum for the Toronto Board of Ed. She was previously employed as an education officer with the Min of Education where she was the coordinator of the Provincial Review Program.

James Tatham (BA, dram/Engl) is self-employed as a writer in Toronto.

Hal J. Walker (BPhEd) completed his PhD at Ohio State U in sport psychology and was appointed as associate director of the U of Connecticut in Waterbury, CT, Fall '90.

1983

Bala Balanaser (BSc, cosc) and Paule (Conkie) Balanaser (BSc, cosc '86) are happy to announce the birth of their new son, Morgan Paul Singham, born June 7/90, a brother for Joshua.

Kevin P. Downie (MA, poli) was married to Lindsay Williams on July 28/90. The couple makes their home in Halifax where Kevin is a lawyer.

Christine Moran Jackson (BA, poli) joined Union Gas Ltd. Sept./89 as corporate counsel. She and husband Brian reside in Chatham.

Lori (Nelson) Konings (BA/BEd) with husband



Vickie L. Backus (MSc '85)

Kevin, announces the birth of a baby boy, Shane, on Sept. 28/90, a brother for Reed.

Suzanne Petrie (BPhEd) is an elementary educator for the Simcoe Separate School Board in Barrie.

Anthony (Tony) J. Phillip (BBE) and wife Jackie are pleased to announce the arrival of their second child, Dalton Alexander, on Aug. 4/90. The family lives in Niagara Falls where Tony owns and operates a jewelry store.

Bernt Solymar (BSc, biol; MSc, biol '89) and wife Debbie announce the birth of their first child, Rebecca Louise, born Aug. 5/90. They live in a renovated 1915 country house outside Brighton.

1984

Jennifer (Brownson) Adams (BA/BEd) and husband Stephen of Huntsville, are proud to announce the birth of a baby girl, Jessica Ashley, on Oct. 12/90.

Yvonne M. (Ducharme) Alexander (BRLS; BPhEd '85) and husband Jim have a new baby boy, Christopher James, born Aug. 1/90. Yvonne is a recreation therapist at the Credit Valley Hospital in Mississauga.

Mark Kinghan (BA, admi/econ; BBE '85) was married on Aug. 13/88 to Beth Hyatt. Mark graduated with a MDiv from Huron College in London, and is now an ordained priest ministering at All Saints Anglican Church in Whitby.

Alayne (DeVries) Langerak (BA, chld) writes: "I have a wonderful job (therapist, infant-parent program at Chedoke-McMaster Hospitals in Hamilton), a great husband and three beautiful children, Jared (6), Cohen (3) and Ethan (18 months)."

Susan L. (Gilbert) Levesque (BRLS) and husband John announce the birth of their first baby, Craig Douglas, July 19/90, 7 lbs, 13 oz.

Mary (Molnar) Mater (BA, admi/clas) works as a secretary/administrative assistant at Basic Hydraulics Ltd in Welland. She announces the birth of Lauren Elizabeth on Apr. 20/90, a sister for Michael.

Nancy Parisi (BRLS) is store manager for Ryan's Pet Food Terminal in Burlington, Ontario.

Elizabeth A. (Robinson) Park (BA/BEd) and husband Randy announce the birth of a son, Andrew Gordon, on Feb. 3/90, a brother for Britney.

Dawn M. Pottie (BA, psyc) is currently attending the bar admission course in Toronto. She married Ariel Shamir on Aug. 24/89.

Doug Riopelle (BAdmin) and wife Linda have a beautiful baby girl - Christine, born on Aug. 2/89. He says "hello" to all those 'flying stud' intramural teams from the early eighties. "Look us up next time you're in Edmonton!"

Corrinne (Hulls) Suk (BPhEd) married Regan Suk on June 18/88 and had her first child, Brandan Christopher Thomas, on June 12/90.

1985

Vickie L. Backus (MSc) recently presented her research on allocation strategies in ants at the 11th Intl Congress of the Intl Union for the Study of Social Insects in Bangalore, India. She hopes to finish her PhD soon.

Shawn Brix (BA, geog), wife Jenny and daughter Emily have recently moved to Grand Rapids, Mich, where Shawn will be working towards his MDiv at Calvin Seminary. He hopes to become an ordained minister within the Christian Reformed Church of North America.

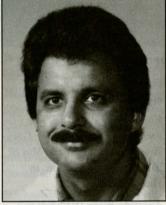
Tanya Buckaway (BA, geog) is a researcher for the Social Planning Council of Niagara Falls.

David Danic (BSc, biol) has been an associate dentist for the past year and recently purchased his own dental practice in Gloucester, Ontario. He and wife Donna have two daughters, Karina (5) and Lauren (1).

Angelica (Schmitz) Hildebrand (BRLS) announces her marriage on Sept. 8/90 to Dave Hildebrand. The couple makes their home in Welland.

Shaheer Hasan Khan (MSc, chem) is a postdoctoral research affiliate in the Dept of

Gynecologic Oncology, Roswell Park Cancer Inst. He received the Genzyme Award for Excellence in Graduate Studies from the Society for Complex Carbohydrates. He and his wife, Humaira, announce the birth of their second child, Hani, on Sept. 4/90.



Shaheer Hasan Khan (MSc '85)

Christina Kwok (BSc, cosc) is an analyst programmer for Citicorp Australia Ltd, in Sydney, Australia.

John L. Smale (BSc, geol) recently graduated with a PhD from the U of South Carolina. He is presently research associate professor in the Earth Sciences and Resources Inst. at the same university. He married Linda Henderson on June 10/90.

1986

Darlene M. (Pryde) Baker (BEd/BPhEd) and Wm (Bill) A. Baker (BA, poli '87) were married on August 11/90. They live in Hamilton where Darlene is a teacher for the Hamilton Board of Ed.

Paul Bramer (MEd) married Marlene Clark in May 1989. He is currently on leave from Halton Board of Ed while taking his EdD in Religious Education from Trinity Evangelical Divinity School, Chicago.

Lisa M. Buckland-Vince (BRLS) and Tim Vince (BA, poli '87) eloped to get married on June 7/90 in Bar Harbour, Maine. Lisa works at Brock University as a facilities supervisor at the new Village Residences and Tim is a police constable in St. Catharines.

Michelle Coulter (BA, chld) is a service manager at The Keg in Hamilton, Ontario.

Gail Filliter (BEd) is engaged to Louis Tusz, a music teacher, in Huntsville, Ontario. The wedding is planned for June/91. Gail works as a high school teacher for the Muskoka Board of Ed.

Anthony Giallonardo (BA, poli) graduated from Parker College of Chiropractic in Dallas, Texas, and is now an associate doctor of chiropractic in Arlington, Texas.

Elizabeth 'Betsy' (Ceply)
Hyde (BA, psyc) recently completed her MEd at Brock.
She is presently working as a behaviour therapist for Tri-County Behavioural Services in Peterborough. On July 7/90 she married Mike Hyde from Port Colborne.

Jariah Kanip (BA, geol) has been working as geologist for Esso Production Malaysia Inc since 1987. She says "hi" to everyone in geology class of '86.

Heather MacLeod (BRLS) has gone back to school after three years of work and is presently enrolled in Sheridan College's Athletic Injuries Management program. Upon graduation she hopes to continue working with Rowing Canada/Wrestling Canada.

Susan (Shevchick) Maynard (BAdmin) married John Maynard in December 1986 both became chartered accountants in 1987 and are now working in Toronto. She

asks: "Are professors Han-

rahan and Edds still around?"

M. Grey McGarry (BAdmin) married David G. Ainslie (B-Admin) on June 15/90 in St. Catharines. The couple now lives in Toronto where Grey works as human resources representative for Burger King Ltd and Dave as product manager for The Home Shoppe Ltd.

Jim Mills (BSc, cosc) and Barbara (Taylor) Mills (BRLS '87) announce the birth of their son, Grant Brock, on May 2/90.

Don Nesbitt (BPhEd) and Dawn (Teshima) Nesbitt (BA/BEd) reside in St. Catharines where Don is a firefighter (he loves it) and Dawn has just begun her MEd program at Brock University.

Christine Reid (BSc, geol/biol) is a technical sales representative for Chem-Serv Associates in St. Catharines.

Percita Theodore (BA, chld) is an information and training officer with the Caribbean Natural Resources Inst. in St. Lucia, West Indies, her home base, for a two-year contract.

Dick Thean Huat Yeap (BA, admi/econ) is a purchasing officer for Sony Electronics in Penang, Malaysia. Dick is our contact for alumni chapter activities in Penang.

1987

John C. Aveline (BA, clas) received his MA from Mc-Master U in Fall 1989. He

Alumnews (cont.)

just finished a novel, <u>A Death</u> in the <u>Senate</u> to be published and released in October 1990.

Suzanne (Townson) Boswell (BA, admi/geog) and Rob Boswell (BA, admi/econ '87) were married in 1988 and live in Mississauga.

Chris Derksen Hiebert (BA, poli) and Loral Derksen Hiebert (BA, poli) of St. Catharines, most recently of Ottawa, have just begun three-year assignments in Prague, Czechoslovakia, where they will be studying and doing research, for the Mennonite Central Committee.

Melanie Graham (BA, chld/psyc) now of Mississauga, announces the birth of a baby girl, Leah, on Sept. 26/89, in Amsterdam, Holland, where Melanie was living for the past two years.

Andrea B. Hall (BA, admi/econ) is a reconciliation clerk for ScotiaMcLeod Inc. in Toronto.

May M. Kimens (BA, chld) enjoys teaching Grade 2 in an inner city school in Toronto. She had a lovely summer in Cape Cod and would love to hear from any 1984 Grade 12 program students.

Ron Muckenheim (BA, psyc) says "hi" from Oshawa to his Brock friends. He hopes to really buckle down one of these weekends and finish that MA thesis.

Carla Parente (BA/BEd) is currently on a leave-of-absence from teaching working for Club Med as a mini club instructor. This job will take her to various dream resorts in the Caribbean and Mexico while allowing her to continue working with kids.



Chris & Loral Derksen Hiebert (BA '85)

Michelle Pigden (BA, psyc) graduated from SUNY with a MA in speech-language pathology, May/90. She is to be married to Alistair Parker, on Nov. 17/90.

Karen Pollard (BRLS) is program coordinator for VON, Simcoe County Branch, in Barrie, Ontario.

Beth Rigg (BA, admi/Fren) moved to Windsor to take up the position of assistant director, conferences & facilities at the U of Windsor. She'd love to hear from Paul & Sheri Cappa, Dave Shemilt, Brian Wasylowich and all the other swimmers!

Mary Schankula (BA, admi/psyc) was recently engaged to be married in July, 1991. She works as a senior claim representative for State Farm Insurance in Markham, Ontario.

Mary-Ann (Bourque) Scott (BA, chld) and husband Rick announce the birth of a new son, Corey James, on Aug. 27/90.

Janet (Vesters) Terry (BRLS) married Robert Terry on Sept. 3/88 and they had a baby boy, Eric Robert Samuel, on July 10/90. She is doing a variety of children's programs at the Whitby

library where she is a children's library assistant.

Eugene Todd (BRLS) is a recreation consultant for Grey-Bruce Counties for the Min of Tourism & Recreation, in Hanover, Ontario.

Amanda Wells (BPhEd) is a recreation coordinator for Community Services in Hastings/Lennox-Addington.

1988

Garnet Abbey (BA, admi/soci) is a sales representative for Burroughs Wellcome Pharmaceuticals, in Toronto.

Karen Adie (BRLS) has a new job as an outdoor specialist at the Centre for Organizational Effectiveness at Seneca College while pursuing her MA in experiential education

Sandra Haynes (BA, admi/poli) is a personnel rep for Cooperators Insurance. She is engaged to be married to Brock grad Steven Fitzhenry (BAdmin '88).

Brett H. Matthews (BA, poli) and Margaret Hazlewood (BA, admi/poli '87) were married in April/88. Margaret is a marketing coordinator (televisions) with Sony of Canada Ltd and is beginning an MA in political science at the U of Toronto.

Gail Mumford (BRLS) works as supervisor of cultural and creative programs for the City of Brampton. Gail is engaged to Brad Akins. They plan to be married Sept. 14/91 in Brampton.

Sharon F. O'Connell (BA, psyc) recently completed a course at Stanford U, California, in sleep medicine.

Christopher Walker (BA, poli) worked for the Toronto Stock Exchange on the trading floor and is now a development accounting specialist for Manulife Real Estate while pursuing a CMA designation.

C. Alexandra Williams (BA, chld; BPhEd '89) graduated from the Fac of Education, U of Western Ontario, and teaches elementary school in Fergus, Ontario.

1989

John Belford (BA, poli) is assistant general manager for the Welland Pirates Professional Baseball Team.

Sherry Bowman (BA, chld) is moving to London, Ontario, to do her MSc in communicative disorders (audiology).

Bonnie Fox (BA, biol/uest) and Peter Stefan (BA, econ/geog '88) were married Aug. 4/90, in Toronto. Bonnie works for the Min of Natural Resources and Peter for Peckovers.

Diane M. (Goetz) Helmkay (BA/BEd) and Owen S. Helmkay (BA, psyc) were married July 28/90 at Carrying Place Golf and Country



Diane & Owen Helmkay ('89)

Club in the gardens. Diane is a Grade 3 teacher in Queensville and Owen a graduate student at Wilfrid Laurier U.

Theresa Hales (BRLS) is a recreationist for the City of Peterborough.

Carolyn (Strang) Harris (BA, chld) married Paul Harris on Aug. 18/90 and they now reside on a dairy farm near Kincardine. Carolyn is a daycare teacher at Grey-Hanover Children's Centre in Hanover.

Andrew Harvie (BA, admi/soci) is chief executive officer of Sharpe Productions
Inc in Kitchener. He is recently married, and engages in Olympic rowing, motorcycle racing, and mountain bike competitions.

Laura A. Huizenga (BA, chld) is attending Calvin College, Grand Rapids, for a teacher's degree.

Debra Jackson (BA, cssp) now lives in Toronto after living in Calgary for a year and a half. She is an account coordinator for Cala HRC Ltd.

Janice (Grant) Jeffers (BA/BEd) and Christopher Jeffers (BA admi/econ '87) were married July 29/89. She is a teacher for the Waterloo County Board of Ed and Chris is a mortgage development officer for National Trust.

David Leip (BSc, cosc) is now working on a MSc in computer science at Guelph U.

Bonnie MacKinnon (BRLS) is a superintendent of recreation and aquatics at the Parks & Recreation Dept in Kirkland Lake, Ontario.

Michael Mamo (BA, soci) completed his MA in sociology at Queen's and is presently enrolled in a MA program in public administration, also at Queen's.

Michael Moore (BA, psyc) is attending U of Guelph for his MA in psychology and working at the Children's Assessment & Treatment Centre in Burlington. Michael congratulates Diane and Owen Helmkay on their recent marriage.

Cindy Urso (BEdTsl) is attending Teacher's college in Nipissing U in North Bay.

1990

Laurie L. Calaguiro (BSc, math) is an occasional teacher for the Niagara South Board of Ed.

Michelle L. Frank (BA, chld) and Alan Peacock (BA, cssp) were married July/89 and they have adopted two children, Rudy (6) and Calvin (2). Michelle is a child and youth counsellor for Lutherwood and Alan is a free-lance multi-media artist. The family resides in Kitchener.

Debbie (Snider) Lloyd (BA, visa) and Trevor Lloyd (BA,

admi/econ '88) were married this past summer on Aug. 11/90. They live and work in Toronto, Debbie as a selfemployed design artist and Trevor as a trust officer for Canada Trust.

Jeffery Richardson (BA, hist/uest) married Sandra

Lawrence in July/90. He is continuing his studies at the Faculty of Law, Queen's U in Kingston.

Nick Warman (BRLS) works as a deck supervisor of aquatics for the Town of Newmarket.

In Memoriam

Michael D. Hutchinson (BA, hist/geog '70) passed away in July 1990 after a lengthy battle with cancer. Since his graduation from Brock, Michael was employed by the Niagara South Board of Education teaching at Welland High and Vocational School and at Eastdale Secondary School in Welland for the 1989-90 school year prior to his death. During his studies at Brock, he was a member of the 1966-67 Badger Varsity Hockey team. Michael is sadly missed by his family, friends and colleagues.

Alice J. Jacobi (Tanner) (BA, psyc '79; MEd '82) passed away in January 1990. She is survived by her husband Donald.

J. Barry Morrison (BA, geog/educ '77).

Raymond M. Muriuki (BA, admi/econ '86) passed away on September 13, 1990, as a result of an automobile accident, in Kenya.

Shaun Wm. Stackwood (BSc, biol '77; BEd '78) died suddenly on June 19, 1990. He is survived by his wife Carol, three children, Rory, Celena and Shannon, his parents, a sister and two brothers. While at Brock, Shaun was a member of the Varsity Rowing Team.

Vera C. Thomson (MEd '87) died Sept. 15, 1990, of a malignant brain tumour. She leaves behind her husband, Walter.

The Alumni Association extends its condolences to the family and friends of

Dr. Donald J. Goodspeed March 1919 - August 1990

Professor Emeritus of History

Dr. Z. Adamczewski

May 1921 - August 1990

Professor Emeritus of Philosophy

SHARE YOUR NEWS WITH ALUMINEUS

Have you moved or changed jobs? Have you earned another degree?

Did you just get married or have a baby?

Tell your fellow grads about it! (While you're at it, why not send a picture?)

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Return to: Alumni Office, Brock University, St. Catharines, L2S 3A1

I require a replacement for my Alumni Card. My cheque (\$5 payable to the Brock Alumni Fund) is enclosed.



ALUMNI ASSOCIATION BOARD OF DIRECTORS 1991: (front row l-r) Rick Powers, BA '84: Connie Gaube, BAdmin '84: Kerry Leask, BAdmin '83 -President. (back row l - r) Lorne Stobbs, BSc '73, MSc '75; David Betzner, BSc '85; Gail Richardson, BA '88; Tony Davoli, BAdmin '80; Brian Heikkila, BAdmin '84. Absent from photo: Lorie Abernethy, BA '82; Dorothy Banting, BA '82; Bob Birrell, BA '84, BEd '87; Drew Campbell, BSc '82, John Trafananko, BA '86.

BrockBriefs

Donor Installation

. G. Willmot was one of more than 300 Brock donors recognized at November 1 and 4 events at which the University's stained glass donor installation was unveiled. Itself financed through a donation by The Landcorp Group, the display recognizes supporters of the Founding Fund (1964), the Science Development Fund (1982) and the Taro Building Fund (1989).

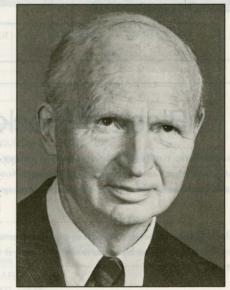


Addressing the assembled donors, Brock President Terry White quoted from the display, "In tribute to those who have shared our vision and through their generosity have allowed us to see its reality". He added that the installation "is not only a beautiful addition to our campus, but also ensures that donors will be permanently recognized for their contributions to the University."

Landcorp Group partners Harold Smith, Larry Boese and Roy Cairns stand before the donor installation with Brock President Dr. Terry White (second from right).

President Emeritus Gibson

resident Emeritus James A. Gibson recently chaired the committee to award The Lionel Gelber Prize. The \$50,000 award is given annually to the author of the book on international affairs that best furthers understanding among nations. During a luncheon at the Westin Harbour Castle hotel in Toronto, Dr. Gibson handed the prize to Yale historian Jonathan D. Spence for his 876-page book the Search for Modern China.



Dr. James A. Gibson

Over the top

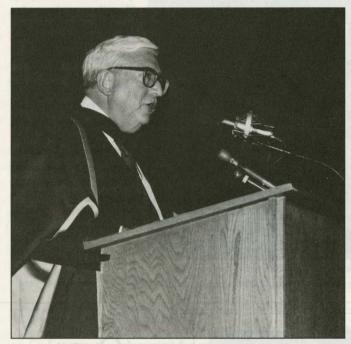
rock faculty and staff have surpassed their United Way goal of \$27,000 by more than \$5,500. No doubt this is a good omen for President Terry White who has agreed to chair the St. Catharines United Way campaign in 1992.

Brock Briefs (cont.)

More than 20,000 grads

uitarist Liona Boyd, classicist Alexander McKay and former Brock University Board of Trustees Chair Allan Orr received honorary doctorates during Brock's Fall Convocation ceremonies, October 26. A total of 380 undergraduate degrees and 69 graduate degrees were granted, raising Brock's alumni over the 20,000 mark. Surgite!

Winners of the Vice Chancellor's Medals were Paul Lawrence Ingram of St. Catharines, Paula Marie Argenta of Niagara Falls and Elisabeth Teunis of Niagara Falls.



Dr. Alexander McKay addresses Brock graduands.

Alumni hockey

he Alumni Hockey game was held on Saturday, November 24. Veterans from the early 70's included Chris Schott (69-71), Tim Goodman (70-71), and Peter Hickey (71-76). Mike Myers (76-77) was the only other pre-1980 player to join a large group of more recent grads: Daryl Clancy (80-83), Clint Bowles (82-85), Doug Speck (83-86), Gerry Robertson (82-86), Jeff Carubba (83-85), Paul Ritchie (83-88), Scott Jamieson (83-87), Terry Cain (85-83), Jim Charters (84-88), Paul Bellamy (84-89), Dan Speck (85-86), Dave Kucharuk (85-89), Bill Dowd (86-89), Derren Wright (86-89), David Bell (86-90), Brent Wilson (86-90), Bret Dilabbio (89-90). Coaches Paul Jackson and Al Kellogg were in attendance behind the benches.

Watch for the 1991 Alumni game on Homecoming Weekend. Plans call for two contests, pre-1980 and post-1980.



Black at Brock

The academic-bureaucratic-journalistic complex" wields the real power in Canada, according to Argus Corporation Chairman and Saturday Night proprietor Conrad Black. At Brock on November 29 to present the inagural D.G. Willmot Distinguished Lecture, Mr. Black explained, "I invented this term years ago agianst the left's incessant prattling about the military-industrial complex."

Referring to welfare as a "sizzling deck-bomb whose detonation is now imminent", the owner of London's Daily Telgraph typified Ottawa's role as "taking money from those who have earned it and give it to those who haven't earned it." Mr. Black's presentation was titled "Canada: A future?"

-with reports from

The Standard.





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- a) Crewneck Sweatshirt by Calhoun, full front crest. 75/25 cotton/poly fleece. Natural only
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- b) Midweight Sweatpant, pockets, tie and elasticized waist, 50/50 poly/cotton fleece. "Brock University" crest on left leg. Red, navy, white or royal.
- S, M, L, XL \$26.95
- c) Collared Crewneck Sweatshirt by Calhoun, full front "Brock University" crest 75/25 cotton/poly fleece. White only. Size 1(M/L) or size 2 (L/XL) \$35.95
- d) Jersey short, pockets and elasticized waist by Ravensknit. Badger crest on left leg. Red or navy. M, L, XL. \$20.95
- e) Child's Teddy Bear Sweatshirt by Specialty House. 50/50 poly/cotton fleece. Red, powder blue, pink. 2, 4, 6, 6X. \$10.50
- f) Child's Sweatpant by Specialty House. "Brock University" printed on left leg. 50/50 poly/cotton fleece. Red, powder blue, pink. 2, 4, 6, 6X. \$10.50 Youth, red only, S, M, L. \$14.95
- g) Rugby Shirt, 100% cotton by Barbarian. "Brock University" shield embroidered on left chest. Red or grey main body. M, L, XL. \$49.95
- h) Jogging pant by Ravensknit, large crest, 50/50 poly/cotton fleece. Tie and elasticized waist. Red or navy. S. M. L. XL. \$24.95
- i) White turtleneck top by Specialty House. Long sleeve, 50/50 poly/cotton. Cameo crest on neck.
- S, M, L, XL. \$17.50
- j) Crewneck Sweatshirt by Specialty House, full front "Brock University" crest. 50/50 poly/cotton fleece. White only.
- S, M, L, XL. \$28.00
- k) Baseball cap with embroidered "Brock University Badgers". One size fits all. Available in cotton-red, navy or white; corduroy-red, navy, white or grey; krinkle nylon-neon yellow, green or pink. \$9.95
- I) Boxer short by Calhoun in allover red and black "Badger" print on 100% cotton. S, M, L, XL. \$15.95

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