

# in edition

 The UNIVERSITY of WINNIPEG

FEB. 20, 1997

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## Research and Development Key to Canada's Success

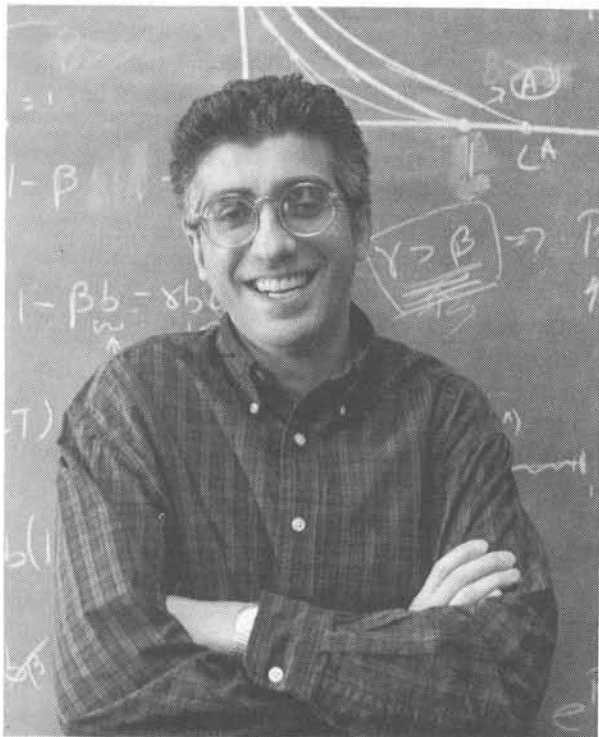
Economics Professor Michael Benarroch says that one of the only ways for Canada to stay competitive in the world of trade is to spend more money on research and development. Ironically though, Canada has been moving in the opposite direction, cutting funding to programs which can ultimately help our growth.

"We're relying on foreign research and at the same time cutting back on education. This doesn't bode well for the future," cautions Benarroch.

Benarroch has been researching the interrelationship between economies of scale and international trade since he wrote his graduate thesis, "Scale Economics Wage Differentials and North-South Trade" while at Carleton University. He is primarily interested in understanding what factors cause industries to move from

developed countries, such as Canada, to less developed countries, like Mexico.

Benarroch says that despite the lower wages paid to workers in less developed countries, there are a number of reasons why industries choose to stay in developed countries. These reasons relate to the history of our economy. Over time, we have developed and taken advantage of a high quality labour force (human capital), infrastructure such as roads, and the necessary support industries such as transportation, communication and electricity. As well, we have gained experi-



*Michael Benarroch: "If we want to remain competitive, we have to take advantage of areas that we have an edge in."*

See *WORLD TRADE*, page 3

# RESEARCH ISSUE

## Women Writers are from Venus; Men Writers are from Mars



Jacqueline McLeod-Rogers examined gender differences in narrative writing.

Even when they write stories, men and women are from different planets, according to a new book by Jacqueline McLeod Rogers, an assistant professor with The University of Winnipeg's Centre for Academic Writing. *Two Sides to a Story: Gender Difference in Student Narrative* (Inkshed Publications, 1996) explores the differences between male-authored and female-authored narrative writing.

"I like to look at it as if there were two traditions or genres of writing," says Rogers, whose PhD thesis examined typical areas of difference between male and female novels. This re-

search was published in 1991 as *Aspects of the Female Novel*.

"Male writing is close to what we might think about as traditional or conventional definitions of what good writing is," reports Rogers. "The elements of female writing tend to capture the rhythms of experience and lived life rather than the structure of stories."

However, she cautions, "We're not talking about a line that women can't cross." She cites Jane Austen and Charlotte Brontë as examples of women writers whose work features elements of both kinds of writing.

Conventional views of what constitutes good writing probably resemble the male writing model because male critics and scholars were the traditional adjudicators of narrative writing. "The male form of writing was more appreciated," says Rogers.

In the 20th century, however, narrative writing by both men and women has started to explore the female writing model through stream of consciousness.

Male writing shows a preference for physical action while female writing tends to favour mental action. "With female writing, often what happens is what happens in the protagonist's mind," she observes.

In researching her book, Rogers employed four readers to evaluate samples of student-written narratives at both the university and elementary levels. The criteria included plot, pace, narrative focus, details, endings, theme, and characterization. At the elementary school level, readers found it easy to tell which stories were written by boys. "They never said boys were using female patterns," reports Rogers, adding that the boys tended to write about superheroes fighting for social justice. "It's a very moral place to live if you live in those stories." By university, male writers had abandoned their superheroes in favour of mere mortals, but retained their fascination with justice.

Overall, female patterns of writing were less visible at the elementary level than at the university level, but they were unmistakable in certain cases. "Fewer young girls were using the female pattern, but when they did, they used it with a vengeance," says Rogers. "They tend to tell stories about relationships, often family relationships, involving several characters." By university, these "relational stories" often involved romance.

Although she doesn't advocate writing the theoretical differences between men's and women's narratives on the elementary school blackboard, Rogers does recommend teaching the theory more subtly by encouraging students to practise writing both ways. "I think it's wrong when we leave it until university," she says.

In Rogers' view, the identification—and appreciation—of the two different writing traditions will probably have implications for younger writers. "I suspect that girls are criticized for their writing at that stage because they're not conforming," she notes. "I think they should be allowed to write the stories they like to write—as well as other stories."

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## World Trade

continued from page 1

ence in production which has allowed industries to produce more efficiently and lower their costs of production. Combined, this generates economies of scale which have allowed countries like Canada to offset the relatively low labour costs of developing nations.

According to Benarroch, unless the industry is one which uses low-skilled labour and does not require a complex network of support industries or infrastructure, the move to a less developed country is too costly. "An industry, particularly one that requires an educated workforce, would find that the move would create many additional expenses and headaches, because they couldn't rely on a skilled labour pool, related industries or a stable economic system," says Benarroch.

"As a result, you end up with a pattern of world trade where the low-skill manufacturing remains in the less developed countries and the higher-skill manufacturing remains in developed countries."

However, emerging countries such as South Korea, Taiwan, Singapore and Hong Kong are giving developed countries, including Canada, a run for their money, says Benarroch. Having invested heavily in the education of their workers, these emerging countries are now able to compete in high-tech industries. According to Benarroch, their rise can be attributed mainly to their ability to create a highly skilled labour pool and maintain relatively low wages—a situation that Canada cannot match. These countries have been especially successful in areas such as autoparts, electronics and shipbuilding, he notes.

"If we want to remain competitive with the emerging countries we have to take advantage of areas that we have an edge in," says Benarroch. This means targetting those areas for research and development.

Benarroch also advises that we start investing money to develop and research new products, or risk falling behind in the world of trade. "To stay competitive, we have to get into specialized fields, ones in which we can excel. These fields include not only areas that we have traditionally done well at, like agriculture and communication, but new and growing fields, such as computer software. We must expand beyond what we are used to and invest in the research and development of new products or in industries that will provide us with a competitive advantage."

Benarroch adds that Canada needs a long-term vision as to what industries will grow. "I don't think we've done that as a country, province or city. We talk about it—but we haven't done it."

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## Lecture Examines Representations of Native History

Post-doctoral fellow Laura Peers will present an illustrated talk entitled "Playing Ourselves: Native People and Living History Sites" on Feb. 27. Peers, a 1987 graduate of The University of Winnipeg's Joint Master's Program in History, examined the representation of Native histories at six living history sites around the Great Lakes region as part of her doctoral research at McMaster University.

Sponsored by the History Department and the Centre for Rupert's Land Studies, this free public lecture is part of a series on northern and Native history.

See *Coming Events* for details.

## University Faculty Help To Quilt A New Canon

*Quilting A New Canon: Stitching Women's Words* (Sister Vision Press, 1996), edited by English Professor Uma Parameswaran, features a preponderance of work by University of Winnipeg faculty.

Although the title might give the impression that it was inspired by a campus quilting circle, the book is actually the outcome of a three-year project entitled "Women-Focused Research at The University of Winnipeg."

Parameswaran initiated the project, which ran from 1990 to 1993, with a Small Universities Grant from the Social Sciences and Humanities Research Council (SSHRC). "We had a competition and faculty from the University applied for portions of this grant," she explains, adding that 10 teams secured funds to pursue research focused on women.

Participants in the project hoped to achieve three objectives: to develop a critical mass of research at the University in this area; to involve undergraduates in research; and to engage in a community-oriented research project. The project brought together faculty from many different disciplines.

In 1992, the University hosted a conference so project participants and academics from other universities could share their research findings and gain valuable insight. The book includes 28 of the approximately 45 essays presented at the three-day conference. Some of the essays were co-written by students, who were trained in research methods as part of the team.

Parameswaran hopes the book will promote the value of women's words. "I think awareness of women's writing can do a lot for the women's movement," she asserts. "Even in the few years since we started the project, I've seen an increase in awareness about the women's movement and feminist theory. We are slowly making progress in getting people within and outside the University to know that women's writings count."

*Quilting A New Canon* includes essays by the following faculty members: Vanaja Dhruvarajan, Keith Louise Fulton, John C. Lehr, Uma Parameswaran, Jaqueline McLeod Rogers, John Selwood, Deborah Stienstra, and Charlene Thackery.



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## Federal Boost to Research Infrastructure Heralded as Good News

University communities have come to expect unfavourable financial news when budgets are announced, but the recent federal budget contained some good news for universities.

In his February 18 budget speech, Finance Minister Paul Martin spoke of broadening the definition of infrastructure to "include the components of future economic successes." The upshot of those words: an \$800 million contribution to establish the Canada Foundation for Innovation, a body that will support research facilities in universities, colleges and hospitals.

Because foundation support for any given project is not to exceed 50 per cent, it is anticipated that additional money will be found through private sector and provincial and municipal government contributions. The end result could be as much as \$2 billion in new money for research.

George Tomlinson, the University's vice-president (academic), heralded the announcement as good news: "This is a very positive thing. While it's not clear yet exactly what or how this foundation is going to operate, this is a significant amount of money."

Michael Benarroch, professor of economics, agrees that the boost to research funding is a positive step: "It's essentially undoing some of what's been cut in funding for research in the past several years."

However, he goes on to note that among the western developed countries, Canada has one of the lowest investments in research and development (see related story, page 1), and this infusion of cash won't dramatically change that. "Does it alter our position relative to other country's level of investment? No. We remain low in terms of funding," Benarroch says. But he notes that this contribution will provide funding for some important projects.

The Canada Foundation for Innovation will be an arms-length agency that will make investment decisions through a peer review process. Its Board of Directors will consist of 15 members drawn from the private sector and the research and academic communities.

Funding criteria will include factors like the quality of research, its contribution to Canada's economic growth and quality of life, and the potential for the institution to attract, develop and retain researchers. Collaboration between institutions and the level of support received from other sources will also be considered.

Spread over five years, the funding will be directed toward research in health, science (including social science), engineering and the environment. Eligible expenses will include upgrades of research facilities and equipment, computer and communications technology, and the creation of information resources like databases. Neither researchers' salaries nor general maintenance and on-going operating costs of facilities will be funded through the foundation.

The legislation to establish the foundation is expected to be put into place very soon, allowing the foundation to be operational by next fall.

Martin also announced that \$47 million would be restored in annual funding to renew the National Centres of Excellence, although \$19 million of that will be reallocated from Industry Canada and the granting councils. The councils will contribute \$7 million a year to the program, drawn primarily from their partnership programs.

Katherine Schultz, associate vice-president (research and graduate studies), asserts this is money well spent. "It allows work that has begun to be maintained. These are very strong centres that, although still young, have already developed excellent reputations for the transfer of technology."

Schultz says that organizations like the Association of Universities and Colleges in Canada (AUCC), the Canadian Association of University Teachers (CAUT), and the Canadian Consortium for Research deserve credit for their combined lobbying efforts to convince the government that increased funding for research should be a priority.

And she notes that an improved research infrastructure will help correct one of Canada's greatest competitive problems: "One of the difficulties the research community faces is the inability to hold on to our talented and very well-trained graduates. They tend to move to more state-of-the-art facilities. This new funding will allow us to compete on a more level playing field now."

She is cautiously optimistic about the future of research in Canada. "Together, these initiatives constitute a wonderful step forward for Canada's role in the knowledge-based economy."

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## Campus Notebook

- The University of Winnipeg Senate has approved expansion of **The Collegiate's** unique high school program to include Senior 2 (grade 10). According to Collegiate Dean Michael Fox, the decision will lend greater continuity to the secondary school experience, and allow students to take advantage of the accelerated status program and complete high school in two years instead of three. In its first year, the Senior 2 program will accept only 30 students.

This expansion of the program coincides with the launch of a new advertising campaign that stresses The Collegiate's emphasis on individuality and self-management. The campaign revolves around the phrase "be yourself."

- *Uncommon Wealth: An Anthology of Poetry in English* (Oxford University Press) was published in January. The volume is a collaborative effort between **Neil Besner, Deb Schnitzer and Alden Turner**, all University of Winnipeg English professors.

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## Religion and Life Week Looks at Traditional Healing

"Traditional Healing for Contemporary Life" is the theme of this year's Religion and Life Week, scheduled for March 3-7.

Discussions throughout the week will revolve around healing and Native spirituality, explains Linwood Delong, chair of the annual event's organizing committee. "Healing can be physical healing, cultural healing, spiritual healing, or healing from social problems."

Committee member and Religious Studies professor Mark Ruml emphasises that traditional ways of healing are not only for aboriginal people. "A lot of these healing models are cross-cultural," he says.

An annual event at the University since the 1960s, Religion and Life Week raises awareness about what various world religions have to offer the wider community. "We always try to get speakers who are personally engaged in the faith tradition," notes Delong.

And Ruml adds, "The speakers are resource people in our community who are actively involved with using traditional models of healing."

Judy Bartlett, a medical doctor of Métis descent, will kick off the week-long slate of speakers with a discussion of the "Contemporary Medicine Wheel Tool" on Monday.

Bartlett places the 16 elements of health on the medicine wheel, which illustrates a balanced and holistic approach to health. These elements are divided into four areas: constituencies of health (spiritual, emotional, physical, and intellectual), life stages (child, youth, adult, and elder), relational aspects (individual, family, community, and nation), and the constituencies of the body politic (cultural, social, economic, and political).

"Health is a balance of those 16 elements," she explains, adding that the medicine wheel could potentially be used as a policy tool.

Religion and Life Week will also feature lectures by Elsie Flett, (Anishinabe Nation) and Corbin Shangeaux (Lakota Nation), both of West Region Child and Family; Calvin Pompana (Dakota Nation), Aboriginal elder and advisor at Headingly Correctional Institution; traditional teacher MideMegwun Bird (Anishinabe Nation); and Patricia Monture-Angus (Mohawk Nation), professor of Native Studies at the University of Alberta.

See *Coming Events* for schedule of speakers and topics.

## SkyWalk to the Beat of Your Heart

Take part in Winnipeg's premier indoor walking event. Along with getting some exercise, you'll have a chance to explore our downtown walkway system, win prizes and help support a worthwhile charity.

On Thurs., March 6, the Heart and Stroke Foundation of Manitoba and Downtown Winnipeg BIZ will host the annual "SkyWalk to the Beat of Your Heart." From 11:30 a.m. to 1:30 p.m., Winnipeggers can compete for valuable points that make them eligible for some fantastic prizes.

For a registration fee of \$7 per person and \$25 per four-member team, walkers receive a free 'heart smart' lunch, courtesy of Branigan's Cafe and Bar. All participants are also entered for a chance to win two Northwest Airlines tickets (courtesy of Concourse Travel Ltd.) and \$300 (compliments of Downtown Winnipeg BIZ).

Walkers can start their adventure from the Portage Place Edmonton Court or from near the Royal Bank in the underground concourse, Portage and Main. Following a map, skywalkers stop off at designated checkpoints throughout the walkways in order to gather points that make them eligible for prizes. (To be eligible, a walker must return their points to the Centre Court of Eaton Place by 2 p.m.)

Those prizes range from gift certificates from downtown shops to a night in The Lombard's Royal Suite.

Registration and information forms are available through University Relations (Room 4W16), or call the Heart and Stroke Foundation of Manitoba at 949-2032.

# COMING EVENTS

*"Coming Events" is compiled by University Relations. Planning a campus event? Please let us know and we'll help you publicize it. Send written information to Lois Cherney, University Relations, 10 working days in advance of the event. Basic details are required: what, when, where, sponsor, price of admission (if any) and the name of a contact person.*

MON., FEB. 24

• **What Can I Do With My Degree?**—Alumni share their career experiences from 12:30-1:20 p.m. on the first floor of Lockhart Hall.

TUES., FEB. 25

• **Downloading and Installing Netscape Gold**—Workshop #4 in the Centre for Learning Technologies' series. 1:30-2:20 p.m. in The Collegiate's computer lab on the first floor of Wesley. Call 786-9826 to reserve a spot.

WED., FEB. 26

• **What Can I Do With My Degree?** continues from 12:30-1:20 p.m.

• **The Skywalk Series**—Collegiate faculty member Karen Zoppa will discuss "The Classical Greek Mind in the 20th Century."  
• **Using Netscape Gold Editor**—Workshop #5 in the Centre for Learning Technologies' series. 8:30-9:20 a.m. in The Collegiate's computer lab on the first floor of Wesley. Call 786-9826 to reserve a spot.

THURS., FEB. 27

• **The Skywalk Series** presents Greg Black—"The Virtuoso Drummer."  
• Theological Discussion Series will examine **Native Spirituality and Christology** from noon - 1 p.m. in Room 2B13. Stan McKay and Janet Silman will lead the discussion. Participants are encouraged to bring their lunch.  
• **Playing Ourselves: Native People and Living History Sites**—This lecture, presented

by Laura Peers, will take place at 4 p.m. in Room 3M59. See related story, page 2.

FRI., FEB. 28

• **Music at Noon presents the Brandon University Music Students**—12:30-1:20 p.m. in Eckhardt-Gramatté Hall.

• **Using WS\_FTP**—Workshop #6 in the Centre for Learning Technologies' series will show how to use the program to download files from and upload files to a server. 2:30-3:20 p.m. in The Collegiate's computer lab on the first floor of Wesley. Call 786-9826 to reserve a spot.

• **Bookstore closed** for inventory.

SAT., MARCH 1

• **Saturday Night Concerts in Eckhardt-Gramatté Hall**—André Laplante, piano, appears as part of his Piano Six solo tour of Manitoba communities. 8 p.m. Tickets are \$19 for adults, \$17 for seniors/students, and \$12 for children 12 and under. Call 786-9000 to order.

MON., MARCH 3

• **Music at Noon presents Beryl Markham—Flying West with the Night.** A one-woman music theatre work, written and performed by Diana McIntosh, about the colourful woman who first flew solo across the Atlantic from east to west. 12:30-1:20 p.m. in Eckhardt-Gramatté Hall.

• **Writing Up, Down and Out: Communicating Scholarship in the Academy**—The

Centre for Academic Writing Speakers Series offers a short trip through the wonderful world of the web. "Lions and Tigers and Bears, Oh My! Course Delivery Issues in Using Web Resources" is a roundtable discussion facilitated by Catherine Taylor (CAW) with participants André Oberlé (Germanic Studies), John Begoray (Education), Danny Blair (Geography), Deb Schnitzer (English), and Sandra Zuk (Library). Faculty, staff and students are welcome. 12:30 p.m. in Room 3C27.

• **Religion and Life Week**—Dr. Judy Bartlett presents "Contemporary Medicine Wheel Tool" at 12:30 p.m. in Room 3C01.

TUES., MARCH 4

• **An Introduction to Browsing the World Wide Web**—Workshop #1 in the Centre for Learning Technologies series. 1:30-2:20 p.m. in The Collegiate's computer lab on the first floor of Wesley. Call 786-9826 to reserve a spot.

• **Religion and Life Week**—Elsie Flett presents "A Medicine Wheel Approach to Service Delivery" at 11:30 a.m. in Room 3C01.

WED., MARCH 5

• **A Look at The University of Winnipeg Website**—Workshop #2 in the Centre for Learning Technologies series, 8:30-9:30 a.m. in The Collegiate's computer lab on the first floor of Wesley. Call 786-9826 to reserve a spot.

• **Skywalk Series**—Alaa Abd-El-Aziz, chemistry,

will explore "Why Plastics?"  
• **Religion and Life Week**—Calvin Pompana offers "Traditional Healing in a Contemporary Society" at 12:30 p.m. in Eckhardt-Gramatté Hall.

THURS., MARCH 6

• **Skywalk Series**—**Franco Cianflone's Dixieland Trio** performs "Deep in the Heart Thereof."

• **Religion and Life Week**—MideMegwun Bird presents "Tradition and Identity" at 11:30 p.m. in Room 3C01.

• **Club Dialogue Series**—Sponsored by the Faculty & Staff Club and held in Room 2C15 from 4-6 p.m., this event will feature Psychology Professor Ron Norton and Chancellor Carol Shields discussing their current projects.

• **Gallery 1C03 Opening**—"The Seven Deadly Sins and a Murder of Crows: Paintings by Linda Carreiro" opens from 4-6 p.m. The show runs through Thurs., March 27. Gallery hours are 10 a.m.-4 p.m., Mon.-Fri., and 1-4 p.m. on Sat.

FRI., MARCH 7

• **Religion and Life Week**—Patricia Monture-Angus (Mohawk Nation), department of native studies at the University of Saskatchewan, presents "Walking in the New Forest: Balancing Traditional and Contemporary Education" at 12:30 p.m. in Room 3C01. Feast to follow; all welcome.

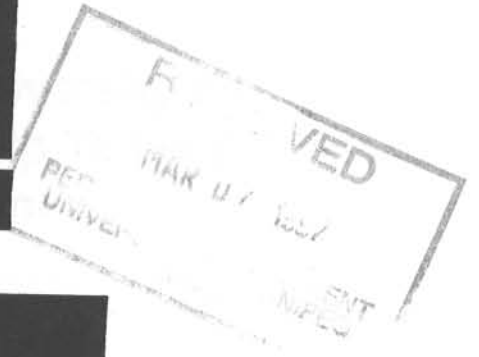
## SKYWALK SERIES

The Skywalk Concert & Lecture Series warms up your winter with intriguing lectures every Wednesday and invigorating concerts every Thursday from 12:15-12:45 p.m. in Winnipeg Centennial Library's second floor auditorium.



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## COMING EVENTS

### *Oops...we goofed!*

*Please mark the following events on your calendar:*

#### FRI., MARCH 7

● **Born to Climb: A Brief History of the Alpine Club**—PearlAnn Reichwein from the University of Alberta will present an illustrated slide lecture and discuss the Alpine Club of Canada's history and mission.

Ironically, the Alpine Club of Canada, formed in 1906 to promote mountaineering and advocate for the protection of Canada's National Parks, was born in the flat, prairie city of Winnipeg. Reichwein will explain the club's key role in establishing a National Park Policy by lobbying for the protection of national parks, and will discuss the ongoing conflict between conservation and recreational use of those parks. While the Alpine Club of Canada promotes the use of national parks for recreation purposes, they also wish to ensure that modern development does not harm the wilderness. The Alpine Club of Canada continues to advocate on the behalf of our National Parks while promoting the benefits and enjoyment of mountaineering. Sponsored by the Departments of History and Geography, this free public lecture takes place from 12:30-1:20 p.m. in Room 4CM13.

#### SAT., MARCH 8

● **Saturday Night Concerts in Eckhardt-Gramatté Hall**—Pianist André Laplante will not perform on this date due to illness. Stéphane Lemelin has graciously stepped in as a replacement. Lemelin, whose performances have been heralded as "extraordinarily sensitive," regularly tours worldwide. He is a popular guest at summer festivals, including the Lanaudiere International Festival, the Domaine Forget and the Ottawa and Vancouver Chamber Music Festivals. His concerts are heard frequently on CBC Radio and his recordings have been broadcast worldwide. A pianist with a broad and eclectic repertoire, ranging from the Classical period to the 20th century, he has been praised for his interpretations of Schubert, Schumann, Faure and Ravel. The concert begins at 8 p.m. Tickets are \$19 for adults, \$17 for seniors/students, and \$12 for children 12 and under. Call 786-9000 to order.

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*And watch for information on the annual Bonnycastle Lecture, scheduled for March 18 at 7:30 p.m. in Eckhardt-Gramatté Hall. This year's distinguished lecturer will be John Sewell.*