

*University of Waterloo
SENATE
Minutes of the Monday, March 27, 2006 Meeting*

Present: David Johnston (Chair), Lois Claxton (Secretary), Tanveer Ali, John Andersen, Ranjana Bird, Stephen Birkett, Kieran Bonner, Graham Brown, Steve Brown, Amit Chakma, Tom Coleman, Caustan De Riggs, George Dixon, Sherry Dupuis, Adam Felix, Jonathan Fishbein, Peter Forsyth, Simon Guthrie, Mariela Gutiérrez, Mark Haslett, Keith Hipel, Dennis Huber, Janice Husted, Ed Jernigan, Tim Kenyon, Bob Kerton, Scott Kline, George Labahn, Ken Lavigne, Robert Le Roy, Paul Lehmann, Wing-Ki Liu, Harriet Lyons, Robert Mann, Roger Mannell, Christine McWebb, Bruce Mitchell, Henry Paetkau, Jim Pankratz, Bill Power, Catherine Rosenberg, Deep Saini, Paul Schellenberg, Adel Sedra, James Skidmore, Craig Sloss, Ralph Smith, Douglas Stebila, Donna Strickland, Scott Taylor, Jay Thomson, Johnny Wong, Frank Zorzitto

Barbara Bulman-Fleming, Julie Gauley, Peggy Jarvie, Sally Jurica, Daniel Olsen, Laura Talbot-Allan, Tony Vannelli, Bud Walker, Owen Ward, Erik Woody

Absent: Jean Andrey, Matthew Austin, Rebecca Baxter, Claire Bazley, Brian Capstick*, John Crossley, Antero Da Silva, Pierre Filion, Roydon Fraser, Alan George*, James Gollnick*, Mary Hardy, Jeff Henry, Michael Higgins, Paul Koenderman*, Mike Lazaridis*, Michael Makahnouk*, Atefeh Mashatan*, Tracy Peressini, Manoj Sachdev, Gerry Schneider, Michael Stone, Myroslaw Tataryn, Geoff Wall, Ross Willard

*regrets

OPEN SESSION

Consent Agenda

Senate heard an omnibus motion to approve or receive for information by consent items 1-4 [below].

Schellenberg and Coleman.

1. APPROVAL OF MINUTES

The minutes of the February 27, 2006 meeting were approved as distributed.

2. REPORT OF THE CHAIR

Recognition and Commendation. Senate received this report for information.

3. REPORT OF THE VICE-PRESIDENT, ACADEMIC & PROVOST

University Professorship Designations. Senate received this report for information.

4. REPORTS FROM THE FACULTIES

Senate received these reports for information.

Regular Agenda

5. REPORTS FROM COMMITTEES AND COUNCILS (A)

Awards for Distinguished Teaching by a Registered Student Committee. The Dean of Graduate Studies announced the recipients (Julie Gauley, Biology; Daniel Olsen, Geography; Spencer Rand,

Architecture; Jason Tsang, Planning) and introduced Gauley and Olsen who were present. A round of applause followed.

Distinguished Teacher Awards Committee. Barbara Bulman-Fleming (for the Associate Vice-President, Academic) announced the recipients (James Barnett, Accountancy; George Davidson, Mechanical Engineering; Owen Ward, Biology; Erik Woody, Psychology) and introduced Ward and Woody who were present. A round of applause followed.

6. BUSINESS ARISING FROM THE MINUTES

Sixth Decade Plan [powerpoint slides: <http://www.secretariat.uwaterloo.ca/sixthdecade.mar27.pdf>]. Continuing with the process started at February Senate of addressing main recommendations one by one, Senate turned its attention to 'integration of teaching and research' and 'internationalization.'

Integration of Teaching and Research – Following from the Provost's suggestion that integration of undergraduate teaching and research could be accomplished by requiring/offering a research course each year (similar to UT's model in Arts and Science), Senate heard what various Faculties currently have in place: Science – fourth-year senior research project; Engineering – fourth-year design project (linked to accreditation), fourth-year research courses, laboratory placements for co-op students, and its investigation into the six-year combined Bachelor/Master's program; Applied Health Sciences – lab courses leading to research (and the demise of the fourth-year thesis, the result of limited resources); Arts – some departments have moved away from the fourth-year thesis, recognizing that research and inquiry-based learning are pursued in upper-year courses.

Discussion also raised concerns whether resources could permit 'requiring' a research course each year, how beneficial such courses would prove in junior years, changes necessary to introduce this to the curriculum, and that 'one size' is not likely to fit all.

In conclusion, the Provost observed that Senate was prepared to give a good deal of support for an accelerated Master's built on senior level research courses, and that, as resources permit, opportunities for research should be created at every level possible.

Internationalization – The goal that 25% of the undergraduate population would spend at least one term abroad would mean 1250 'opportunities' each year (currently about 1050 students, including co-op, spend a term abroad) and efforts would continue to make resources available and garner new resources to assist students. With respect to second language requirements and in response to concerns expressed (a deterrent to students?; other strong programs have abandoned this; how to assess; should 'command' be softened to 'working knowledge/capacity'; which 'languages?'), from the Provost, that this would be a long-term plan initiated, he hoped, by 'volunteer' departments (language and international programs).

In conclusion, general agreement with the spirit, including gradual introduction of a second language requirement, recognizing this would require curriculum adjustments, that 'selling this' could turn on the competitive advantage it provides, and the possibility of designating students who achieve the 'internationalization' component a 'special status.'

7. PRESENTATION

Sixth Decade Plans

- **Arts** [<http://www.secretariat.uwaterloo.ca/arts.mar27.pdf>]. Building on the Arts 'mission' (provide a liberal arts education that expands the boundaries of human knowledge; develop students' ability to think and communicate clearly, critically and creatively; research that is

connected to the world and addresses important issues; broader understanding of global culture), the Dean spoke to Faculty achievements as well as goals for the sixth decade, including: programs; teaching and research to demonstrate integrity, quality and relevance; building on distinction; provide exceptional learning opportunities; attract outstanding students and researchers. He sought Senate's advice on how Arts might better explain/communicate the Faculty/programs/goals as well as omissions on what Arts should be addressing.

- **Mathematics** [<http://www.secretariat.uwaterloo.ca/math.mar27.pdf>]. Building on the Mathematics 'mission' (develop and maintain the Faculty of Mathematics as a world-class centre of excellence and prominence in the mathematical and computing sciences with respect to undergraduate and graduate education, as well as pure and applied research), the Dean spoke to Faculty achievements as well as the Five-Point Plan for the sixth decade: increase research intensity and build awareness; increase internationalization; increase industry involvement; increase quality and reduce attrition in undergraduate enrollment; restructure key programs.

8. REPORT OF THE CHAIR

Environmental Scan [<http://www.secretariat.uwaterloo.ca/scan.mar27.pdf>]

- **Federal.** The Chair commented on the need for sustained efforts to encourage the current government to keep up the momentum for federal support re: research and post-secondary education. He advised on recent efforts to secure federal matching to the recently-announced provincial funding for PI and IQC.
- **Provincial.** Noting that the recent budget focussed largely on infrastructure, the Chair noted the funding available for research and innovation (including the \$100 million for PI and IQC) and the increase to college and university operating grants (\$736 million in 2006-07 over base funding in 2004-05).

9. REPORT OF THE VICE-PRESIDENT, ACADEMIC & PROVOST

Dean of Arts. The Provost announced the five-year appointment of the new Dean of Arts, Ken Coates, effective July 1, 2006.

McMaster Satellite Medical School. A \$19 million 'ask' is before Regional Council to fund a facility to house the School and form part of the Pharmacy complex. The very supportive March 25 and 27 *Record* editorials were circulated.

10. REPORTS FROM COMMITTEES AND COUNCILS (B)

Finance Committee [distributed at the meeting and attached for absentees]. The Provost reviewed the 2006-07 Operating Budget noting: the assumptions (increases in graduate and undergraduate growth and quality improvement fund), increases in tuition (the result of recently-announced provincial guidelines), increases in salary and wages (reflecting current faculty and staff settlements), adjustments in undergraduate scholarships/bursaries, and increases in utility and maintenance costs; the \$7 million deficit; how the deficit is being addressed, including by the 1.5% expenditure reduction (\$3,063 million) applied across all academic and academic support units; the \$2.4 million structural deficit that is being carried forward – the result of UW's not meeting its 2005-06 enrolment targets.

Senate heard a motion to approve the 2006-07 Operating Budget as presented and recommend approval to the Board of Governors.

Chakma and Power. Carried.

Graduate & Research Council. Senate heard a motion to approve the establishment of the Waterloo Centre for Automotive Research (watCAR) for five years (May 2006-April 2011).

Bird and Sedra. Carried.

Senate heard a motion to approve that the name of the Collaborative Program in Behavioural Neuroscience (Kinesiology) be changed, effective Spring 2006, to the Collaborative Program in Behavioural & Cognitive Neuroscience.

Bird and Mannell. Carried.

Senate heard a motion to approve the inactivation of the Sociology of Sport Specialization (MSc Kinesiology), effective Spring 2006.

Bird and Mannell. Carried.

Senate heard a motion to approve the proposed modifications to the international graduate admission requirements (MSc, PhD Biology).

Bird and Mannell. Carried.

Following discussion on the rationale for the change, Senate heard a motion to approve the proposed changes to the course requirements for the direct admission to the PhD program from a BSc degree (Chemistry).

Bird and Mannell. Carried.

The remaining item in the report was received for information.

Undergraduate Council. Senate heard a motion to approve the proposed modifications to the French Studies, Honours French – French Teaching Specialization and the revised 2006 Academic Calendar Dates.

Kerton and Chakma. Carried.

The remaining item in the report was received for information.

11. OTHER BUSINESS

Changes to Policy 76 ‘Faculty Appointments.’ Senate heard a motion to approve the proposed amendments to Policy 76 and recommend approval to the Board of Governors.

Chakma and Mitchell. Carried.

Senate convened in confidential session.