

*University of Waterloo
SENATE*

Minutes of the Monday, February 26, 2007 Meeting

Present: David Johnston (Chair), Emily Barnes (Secretary), Robert Allie, David Barton, Claire Bazley, Ranjana Bird, Stephen Birkett, Graham Brown, Amit Chakma, Ken Coates, Tristanne Connolly, Kate Daley, Caustan De Riggs, George Dixon, Sherry Dupuis, Pierre Filion, Alan George, Mariela Gutiérrez, Mary Hardy, Mark Haslett, Beth Jewkes, Richard Kelly, Duane Kennedy, Scott Kline, Ken Lavigne, Robert Le Roy, Eric Logan, Harriet Lyons, Robert Mann, Roger Mannell, Atefeh Mashatan, Paul McDonald, Christine McWebb, Elizabeth Meiering, Bruce Mitchell, Stephen Murphy, Henry Paetkau, Jim Pankratz, Bill Power, Marek Ratajczak, Catherine Rosenberg, Deep Saini, Gerry Schneider, Adam Schubert, Adel Sedra, Selva Selvakumar, James Skidmore, Craig Sloss, Douglas Stebila, Myroslaw Tatarzyn, Geoff Wall, Johnny Wong, Michelle Zakrison, Frank Zorzitto

Gail Cuthbert Brandt, Tom Brzustowski, Riemer Faber, David Fransen, Raymond Laflamme, Mike Mosca, François Paré, Bruce Simpson, Brandon Sweet, Nancy Theberge, Bob Truman, Bud Walker

Absent: Jean Andrey*, Steve Brown*, Brian Capstick*, Tom Coleman*, John Crossley, Antero Da Silva, Tom Duever, Fraser Easton*, Peter Forsyth, Roydon Fraser, Mardon Frazer, James Gollnick, Bob Harding*, Dennis Huber*, Tim Kenyon, Mike Lazaridis*, David Matthews*, Ciprian Mihalcea, Tracy Peressini, Rashid Rehan*, Sharon Robertson, Russ Snyder-Penner*, Aaron Stauch, Donna Strickland, Scott Taylor, Susan Tighe*

*regrets

OPEN SESSION

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

1. APPROVAL OF MINUTES

The November 20, 2006 minutes were approved as distributed.

2. REPORT OF THE CHAIR

Recognition and Commendation. Senate received this report for information.

3. REPORTS FROM THE FACULTIES AND RENISON COLLEGE

Senate received these reports for information.

4. OTHER BUSINESS

Committee and Council Appointments. Senate approved the following appointments: Award for Exceptional Teaching by a Student – Julie Gauley (Biology) and Daniel Olsen (Geography) as graduate student representatives (terms from January 1, 2007 to December 31, 2007); Distinguished Teacher Award Committee – Loretta Ritu (BSc '94) as the alumni representative (term from January 1, 2007 to December 31, 2007); Senate Executive Committee – Duane Kennedy (Accountancy), replacing Harriet Lyons, as a faculty representative (term to April 30, 2007); Senate Long Range Planning Committee – Paul McDonald (Health Studies & Gerontology), replacing Janice Husted, as a faculty representative (term to April 30, 2007); Senate Undergraduate Council –

Mark Truchanowicz (Electrical Engineering), replacing Tyler Gale, as an undergraduate student representative (term from January 1, 2007 to April 30, 2007).

The remaining item in the report was received for information.

New Degree Hood [sample hood at Senate]. Senate approved the new Bachelor of Accounting & Financial Management (BAFM) degree hood.

Chakma and Ratajczak. Carried.

Regular Agenda

5. PRESENTATIONS

Institute for Quantum Computing (IQC) [www.secretariat.uwaterloo.ca/iqc.feb2607.pdf]; brochure available at the meeting]. Before presenting this item, IQC Senior Advisor Tom Brzustowski introduced other members of IQC in attendance: David Fransen (Executive Director), Ray Laflamme (Director), and Mike Mosca (Deputy Director). He then commented on the creation of the Institute, its growth targets, strong collaborations and partnerships with research institutions, government agencies and industry, its operational plan, and spectacular successes of 2006, and 2007 priorities. Concluding, he stressed that "IQC has successfully established a creditable, world class centre of research excellence. This status is time-limited; other world class research centres are beginning to make similar commitments. Entrenchment of IQC's status requires commitment and decisive action now."

Enrolment Plans [www.secretariat.uwaterloo.ca/enrolment.feb2607.pdf]. The Registrar reported on the status of first-year enrolment: the year one target is 5502, modestly higher than last year's goal of 5452; OSS applications are up ~14% (ahead of provincial trends), with all OSS applications up by 17.9%; the non-OSS picture is beginning to take shape with first choice applications up by 4.6% and overall by 4.2%, which is below the provincial trend of 7.7% (first choice) and 5.5% (all choices); early offers to high quality students are running at 4862 compared to 4796 last year; entrance scholarship offers (to students in the 85-100% range) stand at 3091 compared to 3298 in 2006, but Optometry, Pharmacy (120) and Renison Social Work places are not included in the 3091 total.

In response to questions, Senate heard that, at this point (early), the quality of the applicant pool appears to be slightly lower than last year; and, like Optometry, Pharmacy is a second-year entry program.

6. BUSINESS ARISING FROM THE MINUTES

There was no business arising.

7. REPORT OF THE CHAIR

Environmental Scan [www.secretariat.uwaterloo.ca/es.feb2607.pdf]

- **National Overview.** The Canadian Council on Learning has released its report, placing Canada 15th (out of 30) in OECD R&D intensity. Another report recently released on R&D intensity is the Conference Board of Canada's *Mission Possible*; it notes that the proportion of Canada's GDP spent on R&D has been in decline since 2001. Statistics Canada reports that federal spending on science & technology (S&T) increased 34% between 2000 and 2005 to \$8.15 billion. The Council of Canadian Academies recently released a report entitled *The State of Science and Technology in Canada*, noting that: fewer than half of the experts surveyed rated Canada strong in S&T and almost 40% thought that Canada was generally falling further behind

in this respect; the following strongest S&T areas for Canada (all of which resonate with established areas of expertise at UW) are natural resources, information and communications, health and life sciences, environment. The Finance Minister will deliver his budget on March 19.

- **Provincial Overview.** James Downey, President Emeritus, has been appointed the first President of the Higher Education Quality Council of Ontario, a buffer body between the institutions of higher education and the various ministries. The Vice-President, University Research led the University's response to the Ministry of Research & Innovation strategic plan: value from research, the move to the marketplace, focusing on successes, innovation is about people, aligning the goals, measuring results, sustaining innovation. The Council of Ontario Universities has moved forward with its 2007 advocacy goals: access and quality funding, graduate expansion, MRI's strategic plan.
- **Local Overview.** On January 6 there was an op-ed piece in *The Record* addressing the four key areas of UW's *Sixth Decade Plan*. UW launched its 50th Anniversary celebrations on January 11. The Nanjing program is moving forward smoothly; last fall, first-year students were enrolled and, if all the approvals go ahead and students meet UW's entrance admission requirements, they will come to Waterloo for third- and fourth-year studies in the fall of 2008.

8. **REPORT OF THE VICE-PRESIDENT, ACADEMIC & PROVOST**

2006-07 Operation Budget Update [www.secretariat.uwaterloo.ca/0607budget.feb2607.pdf]. The Provost referred to the major changes to the budget, approved at the April 4, 2006 Board meeting: total income was less than anticipated but total expenses were also down, largely because of enrolment growth that did not materialize and utilities savings (close to \$1M); the projected structural deficit of about \$2.4M has almost been eliminated (reduced to ~\$500K). The result: income of \$351.7M will come close to covering the year's expenditures of \$352.2M.

Speaking to early **2007-08** budget projections, the Provost reported a gap of about \$12M between expected revenue and expenses. Budget balancing options presented included covering expenses with one-time money where possible, a general spending reduction, and carrying a small structural deficit. He noted that government funding is concentrated on enrolment growth, pointing out that UW's undergraduate enrolment is going up even though first-year admissions are not; however, some universities have significantly exceeded their enrolment targets, with the result that government funding has been spread thinner than expected and UW will end up receiving "84-cent dollars" to cover costs.

In response to questions, Senate heard that to cover costs associated with its quality aspirations, UW needs to generate income equivalent to 20% of its revenue. UW has gone from \$8M in private sector support in 1998 to just under \$60M for the past three years; a task force is currently meeting to establish how to increase annual giving to the \$100M mark. The Quality Improvement Fund is used to create faculty and staff positions.

9. **REPORTS FROM COUNCILS**

Graduate & Research

- **Report of the November 20, 2006 Meeting**
New Programs

Senate heard a motion to approve the Collaborative Doctoral Program in Work and Health, outlined in Attachment #1.

Bird and Mannell. Carried.

Senate heard a motion to approve the Joint (with WLU) Master of Arts in Ancient Mediterranean Cultures, outlined in Attachment #2.

Bird and Coates.

In response to a question re: ensuring breadth, Senate heard that three principal fields of study (Archaeology and Art, Ancient History, Literature) have been identified, and that students will be expected to be well acquainted with all three. Students may specialize in one field for their thesis or senior research paper, but it is the inter-connections within the three fields that will receive primary attention.

The motion carried.

Senate heard a motion to approve the Doctor of Philosophy in French Studies, outlined in Attachment #3.

Bird and Coates.

Senate heard that, on average, funding per student in this program would be \$18,000 per year.

The motion carried.

Senate heard a motion to approve the Master of Mathematics (Computational Mathematics), outlined in Attachment #4.

Bird and George. Carried.

Program Changes. Senate heard a motion to approve the proposal to raise the minimum scores required for TOEFL (currently 550) and TWE (currently 4.0) to 600 and 5.0, respectively (Economics – MA).

Bird and Coates. Carried

Senate heard a motion to approve the proposal to amend the admission criteria, effective for admission to the 2008 MAcc (Accountancy) program, as noted in the report.

Bird and Lavigne. Carried.

The remaining items were received for information.

- **Report of the December 18, 2006 Meeting.** Senate received this report for information.

Undergraduate

- **Report of the September 12, 2006 Meeting**
Changes to Degree Requirements. Senate heard a motion to approve the proposed changes (Environmental Studies, Professional Development), as noted in the report.

Cuthbert Brandt and Saini. Carried.

- **Report of the December 12, 2006 Meeting.** Senate heard the following motions:
Change to Academic Plan. Remove the required courses, as listed in the report, from the Admission Prerequisites and add them to the Recommended Courses List (Optometry).

Change to Examination Regulations and Related Matters. To change the examination regulations, as noted in the report, subject to deleting “before any answers are written therein” [last sentence].

Changes to Regulations. To allow substitution of PD 2 for the first work report (Co-op Work Report: Arts & Business Co-op, Departmental Co-op, Bachelor of Accounting & Financial Management, Bachelor of Computing & Financial Management); to add the statement, as noted in the report, to the “Student Access to Final Examination Papers” section of the examination regulations (Final Examination Regulations).

Cuthbert Brandt and Lavigne. Carried.

The remaining items was received for information.

10. OTHER BUSINESS

Academic Program Reviews. The Associate Vice-President, Academic highlighted items in the report and, at her request, the Deans of Applied Health Science and Science spoke to and answered questions about Health Studies & Gerontology and Physics & Astronomy, respectively. Dean Mannell commented that: the success of HS&G represents a challenge; there has been rapid growth in research centres; the Department needs to consider admission of incoming undergraduate students; in terms of teaching vs non-teaching, faculty members are expected to teach a minimum of two courses (one graduate, one undergraduate). Dean Dixon spoke to: the 2+2 program, an agreement between the student’s home university in China and the Faculty of Science (if successful, students earn Bachelor of Science degrees from both institutions); ongoing challenges – internationalization and resources, including graduate students and allocation or reallocation of the TA budget (typically, TA funding and increases are *via* Science faculty members’ research funds).

Graduate Studies. The Dean of Graduate Studies briefly summarised her presentation [A84-A90] which focused on historical data. A UW priority is to take advantage of the additional capital and operating grant funding for net new domestic graduate students made available by the provincial government; the window closes this fall, and not achieving the target would be a lost opportunity.

In response to a question about the future mix of graduate students at UW, Senate heard that: the pool of domestic students is small; every university in Ontario is competing for the same students; and, at this point, there has not been a decline in international student admissions.

Revisions to Policy 50, The President of the University. Senate heard a motion to approve the proposed revisions to Policy 50.

Chakma and Schneider. Carried.

Senate convened in Confidential Session.